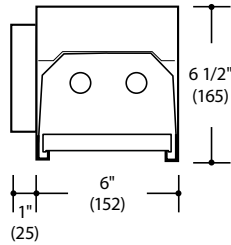




W-D-66N



Mod

W-D-66N, W-ID-66N,
W-ADW-66N (chalkboard)
Wall-Mounted

Product Description

Linear modular luminaire which offers a variety of distributions and shielding options. UL Listed. This fixture is Cradle to Cradle Silver CertifiedSM by MBDC.

Ordering Guide

Product, lamping, & length					
W -		66N			T8 -
Mounting	Distribution	Series	Lamp Count	Nominal Length(ft)	Lamp Type
W Wall-Mounted	D Direct	66N	1, 2 →	2	T8
	ID Indirect/Direct		1, 2 →	3	
	ADW * Asymmetric Direct		1, 2 →	4	
			2, 4 →	6	
			2, 4 →	8	
		see notes			

Options					
Baffle or Diffuser	Finish	Ballast	Tandem Wiring	Other Options	Volts
BW FP PARSS (1-lamp D only) PBSS XA 6044 (ADW only) see Baffle and Diffusers Options	CWM (matte white) is standard see website for other Product Finishes	ELB10 is standard DA/MK7 DL/ECO DO/HEL see Ballast Options	-- TW see notes	F EF WCB see Other Options	120 277
<p>notes: Lamp count = total number of lamps in the fixture Tandem wiring not available for one-lamp cross-section fixtures *W-ADW-66N available in one-lamp cross-section only For ordering Guide information in shaded areas, choose selection by reading ACROSS the shaded areas for correct specifications.</p>					

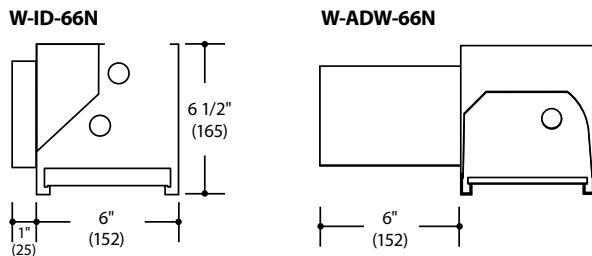
W-D-66N24T8-BW-CWM-ELB10-TW-F-120 is a typical catalog number for a 2-lamp (2 lamps in cross-section), 4-foot long T8 fixture with white blade baffle, matte white finish, electronic ballast, tandem-wired, fuse, 120 volts.

W-ADW-66N14T8-6044-CWM-ELB10-TW-WCB-F-120 is a typical catalog number for a 1-lamp (1-lamp in cross-section), 4-foot long T8 fixture with a 6044 lens, matte white finish, electronic ballast, tandem-wired chalkboard mounting brackets, fuse, 120 volts.

Cross-section lamping					
W-D-66N		W-ID-66N		W-ADW-66N	
1-T8	2-T8	1-T8	2-T8	1-T8	
PARSS					

Baffle & Diffuser Options

BW	Blade white baffles with matte white finish.
FP	Flat plastic white acrylic lens, regressed.
PARSS	Parabolic semi-specular reflector baffle. For W-D-66N one-lamp cross-section only.
PBSS	Parabolic semi-specular baffle. 1.4" high x 2" OC.
XA	Extruded acrylic lens, with conical prisms, regressed.
6044	Asymmetric lens to direct light towards wall. W-ADW-66N only.



Ballast Options

Specify in place of **ELB10**, contact factory for availability/compatibility with lamping:

DA/MK7	Advance Mark VII dimming ballast.
DL/ECO	Lutron ECO-10 dimming ballast.
DO/HEL	Osram Sylvania dimming ballast.

Other Options

F	Fuse. Slow or fast blow, determined by Litecontrol.
EF	Emergency Fluorescent Ballast. Battery-powered ballast from a UL Listed manufacturer will operate one lamp for 1 1/2 hours.
WCB	Wall bracket for chalkboard lighting. Only available with ADW distribution.

Questions to Ask

1. Row information, including desired fixture lengths?
2. Diffuser type? 3. White finish or other? 4. Ballast options?
5. Controls solutions? 6. Other options? 7. 120 or 277 volt?



Specifications

HOUSING. Die-formed and welded steel, with 3/8" regression at housing bottom for rigidity and appearance, furnished with 6" long, 20-gauge steel splines for precise alignment at each joint. End headers have clearance holes for easy row installation and are notched under lamps for more even diffuser luminance and continuous baffle appearance. W-ID-66N. Three-inch wide opening in housing top provides 36-50% upright ceiling and wall illumination.

END CAPS. Steel, 14-gauge, with no holes or knockouts, finished to match housing. Four fasteners on each end cap allow tight attachment to ends of individual fixtures and ends of rows.

REFLECTOR. W-D-66N. Standard: Die-formed steel with high-reflectance white finish. Parabolic Reflector/Baffle (**PARSS**): Die-formed semi-specular anodized aluminum reflector and baffle assembly. W-ID-66N. Die-formed steel with high-reflectance white finish. W-ADW-66N. Die-formed semi-specular aluminum (on lamp side) and die-formed steel with high-reflectance white finish.

LAMPING. Available in one- and two-lamp T8.


BALLAST. Electronic Ballast (**ELB10**), high power factor, thermally protected Class P, Sound Rated A, less than 10% THD, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. Ballasts with a voltage range of 120 to 277 will be used when fixture configuration and ballast availability allow. The minimum number of ballasts will be used.

TANDEM WIRING. When selected from Ordering Guide below, fixtures wired to switch in-line lamps separately, providing two levels of light (two-lamp cross-section fixtures only).

BALLAST DISCONNECT. Fixture supplied with a ballast disconnect device to enable compliance with the NEC.

SYSTEM CONNECTORS. Corners and straight extensions available. Die-formed steel. Bottom and exposed sides to be smooth with no exposed fasteners or knockouts. See Field Measurement Procedure for instructions.

MOUNTING. Provided with two wall-mounting brackets measuring 4 1/2" square x 1" deep. Finish is CBC (Camera Black). W-ADW-66N. Provided with two wall-mounting brackets (**WCB**) measuring 4 1/2" x 6" deep, finished to match housing.

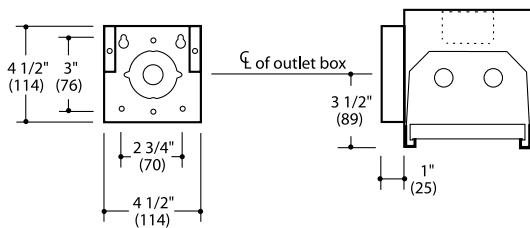
CERTIFICATION. Fixture and electrical components are UL and/or CUL Listed , and bear the I.B.E.W., A.F. of L. label. This fixture is Cradle to Cradle CertifiedSM Silver by MBDC. Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.

Planning for Installation (W-D-66N and W-ID-66N)

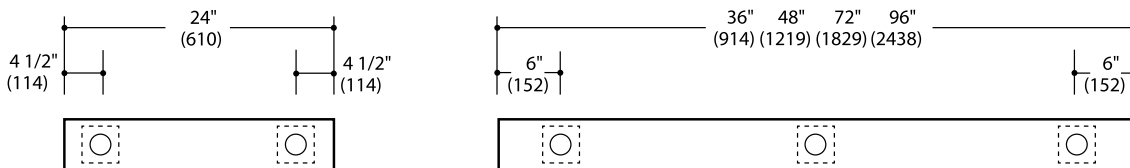
For special system connectors needed to exactly fill a wall or follow a perimeter, field-measured dimensions may be required from the job site. Minimum SE length is 3.25". Please refer to Field Measurement Procedure for instructions.


Wall brackets

W-D-66N and W-ID-66N



Individual fixtures



 Indicates wall mounting bracket location

 2 1/2" diameter knockout (in fixture)

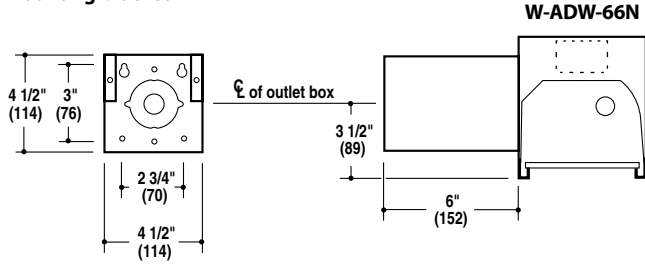
LITECONTROL

100 Hawks Avenue Hanson, MA 02341
781 294 0100 f: 781 293 2849 litecontrol.com

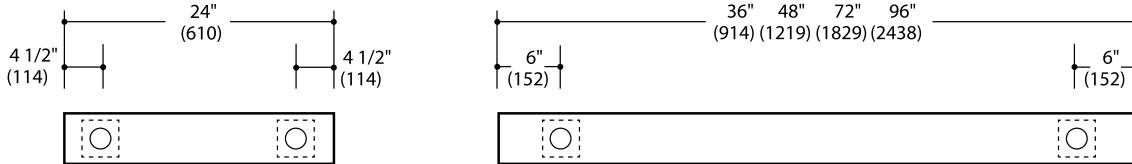


Planning for Installation Chalkboard (W-ADW-66N)

Mounting bracket



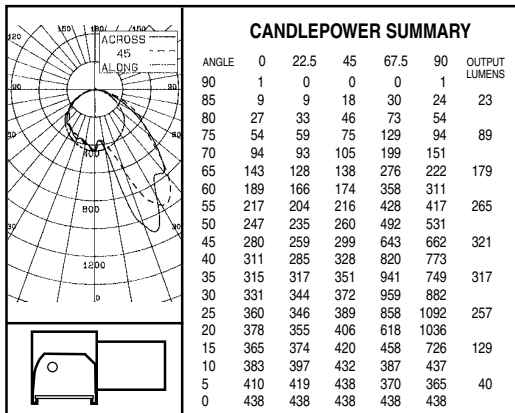
Individual fixtures



Indicates wall mounting bracket location

○ 2 1/2" diameter knockout (in fixture)

Photometric data Wall Asymmetric Direct 1-T8



W-ADW-66N14T8-6044 55.7% Efficiency																		
Litecontrol Certified Test Report #17811070																		
RCC	80			70			50			30			0					
	70	50	30	10	70	50	30	10	50	30	10	50		30	10			
RCC																		
0	.66	.66	.66	.66	.65	.65	.65	.65	.62	.62	.62	.59	.59	.59	.57	.57	.57	.56
1	.61	.59	.57	.55	.60	.58	.56	.54	.55	.54	.52	.53	.52	.51	.51	.50	.49	.48
2	.56	.52	.49	.46	.55	.51	.48	.45	.49	.46	.44	.47	.45	.43	.46	.44	.42	.41
3	.52	.46	.42	.39	.50	.45	.41	.38	.44	.40	.38	.42	.39	.37	.41	.38	.36	.35
4	.47	.41	.36	.33	.46	.40	.36	.33	.39	.35	.32	.38	.34	.32	.36	.34	.31	.30
5	.43	.36	.31	.28	.42	.36	.31	.28	.34	.30	.27	.33	.30	.27	.32	.29	.27	.26
6	.40	.32	.28	.24	.39	.32	.27	.24	.31	.27	.24	.30	.26	.23	.29	.26	.23	.22
7	.36	.29	.24	.21	.36	.29	.24	.21	.28	.23	.21	.27	.23	.20	.26	.23	.20	.19
8	.33	.26	.21	.18	.33	.25	.21	.18	.25	.21	.18	.24	.20	.17	.23	.20	.17	.16
9	.31	.23	.18	.15	.30	.23	.18	.15	.22	.18	.15	.21	.18	.15	.21	.17	.15	.14
10	.28	.21	.16	.13	.28	.21	.16	.13	.20	.16	.13	.19	.16	.13	.19	.15	.13	.12
Floor Cavity Reflectance .20																		

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	1615	55.72	100
180-0°	1615	55.72	100

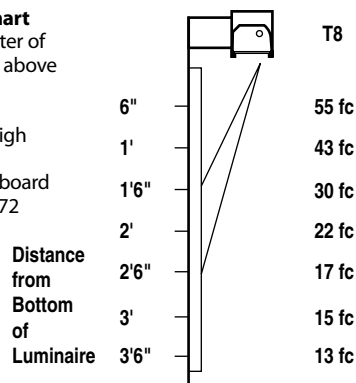
LUMINANCE SUMMARY (fL)					
ANGLE	0°	45°	90°	135°	180°
45°	623	578	664	1434	1477
55°	595	561	590	1178	1147
65°	532	478	513	1028	829
75°	330	356	457	784	571
85°	163	163	327	551	439

Room Surface Illuminance on Wall

Vertical illuminance chart

Values calculated at center of 12-foot row mounted 7' above the floor.

Room size: 8' x 12' x 9' high
 Reflectances: 80/70/20;
 30% chalkboard
 Total Light Loss Factor: .72



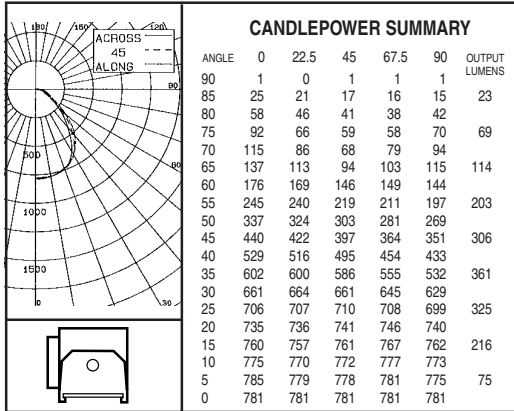
LITECONTROL

100 Hawks Avenue Hanson, MA 02341
 781 294 0100 f: 781 293 2849 litecontrol.com

Quick Find **66w**

 litecontrol.com

Photometric data Wall Direct 1-T8

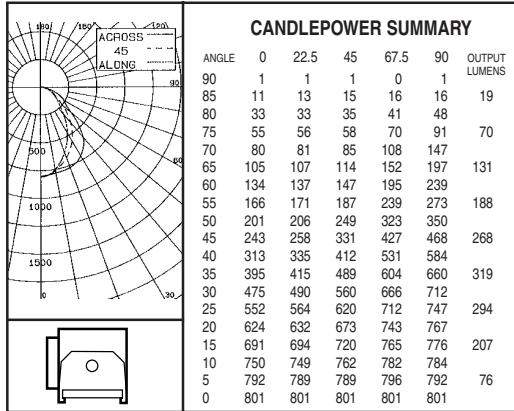


RCC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	.69	.69	.69	.69	.68	.68	.68	.68	.65	.65	.65	.65	.62	.62	.62	.62	.59	.59	.59	.59	.58
1	.65	.62	.60	.59	.63	.61	.59	.58	.59	.57	.56	.56	.56	.55	.54	.54	.54	.53	.53	.53	.51
2	.60	.56	.53	.50	.59	.55	.52	.49	.53	.51	.48	.48	.45	.44	.42	.42	.49	.48	.46	.45	.45
3	.55	.50	.47	.43	.54	.50	.46	.43	.48	.45	.42	.42	.46	.44	.42	.42	.45	.43	.41	.40	.40
4	.52	.46	.41	.38	.50	.45	.41	.38	.44	.40	.37	.37	.42	.39	.37	.37	.41	.38	.36	.35	.35
5	.48	.41	.36	.33	.46	.40	.36	.33	.39	.35	.33	.33	.38	.35	.32	.32	.37	.34	.32	.31	.31
6	.44	.37	.33	.29	.43	.37	.32	.29	.36	.32	.29	.29	.35	.31	.29	.29	.34	.31	.29	.27	.27
7	.41	.34	.29	.26	.40	.33	.29	.26	.33	.29	.26	.26	.32	.28	.26	.26	.31	.28	.25	.24	.24
8	.38	.31	.26	.23	.37	.30	.26	.23	.32	.29	.26	.26	.29	.25	.23	.23	.28	.25	.22	.21	.21
9	.35	.28	.23	.20	.34	.27	.23	.20	.31	.27	.23	.23	.26	.22	.20	.20	.26	.22	.20	.19	.19
10	.33	.25	.21	.18	.32	.25	.21	.18	.29	.24	.20	.20	.24	.20	.18	.18	.23	.20	.18	.17	.17

Floor Cavity Reflectance .20

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	1687	58.20	100
180-0°	1687	58.20	100

ANGLE	0°	45°	90°
45°	1172	1064	939
55°	804	724	649
65°	611	419	515
75°	671	428	509
85°	543	379	335

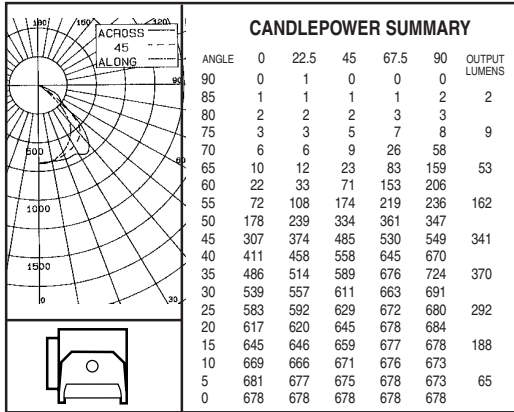


RCC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	.64	.64	.64	.64	.63	.63	.63	.63	.60	.60	.60	.60	.57	.57	.57	.57	.55	.55	.55	.55	.54
1	.60	.58	.56	.54	.59	.57	.55	.53	.54	.53	.52	.52	.52	.51	.50	.50	.50	.49	.49	.48	.48
2	.55	.52	.49	.46	.54	.51	.48	.46	.49	.47	.45	.45	.47	.45	.44	.44	.46	.44	.43	.42	.42
3	.51	.47	.43	.40	.50	.46	.42	.40	.44	.41	.39	.39	.43	.40	.38	.38	.42	.40	.38	.37	.37
4	.48	.42	.38	.35	.47	.41	.38	.35	.40	.37	.34	.34	.39	.36	.34	.34	.38	.35	.33	.32	.32
5	.44	.38	.34	.30	.43	.37	.33	.30	.36	.33	.30	.30	.35	.32	.30	.30	.34	.32	.29	.28	.28
6	.41	.34	.30	.27	.40	.34	.30	.27	.33	.29	.27	.27	.32	.29	.26	.26	.31	.28	.26	.25	.25
7	.38	.31	.27	.24	.37	.31	.27	.24	.30	.26	.24	.24	.29	.26	.23	.23	.29	.26	.23	.22	.22
8	.35	.28	.24	.21	.34	.28	.24	.21	.27	.24	.21	.21	.27	.23	.21	.21	.26	.23	.21	.20	.20
9	.33	.26	.22	.19	.32	.25	.21	.19	.25	.21	.19	.19	.24	.21	.18	.18	.24	.21	.18	.17	.17
10	.30	.24	.19	.17	.30	.23	.19	.17	.23	.19	.17	.17	.22	.19	.16	.16	.22	.19	.16	.15	.15

Floor Cavity Reflectance .20

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	1566	54.01	100
180-0°	1566	54.01	100

ANGLE	0°	45°	90°
45°	648	884	1253
55°	546	618	901
65°	470	509	884
75°	401	425	666
85°	246	324	347

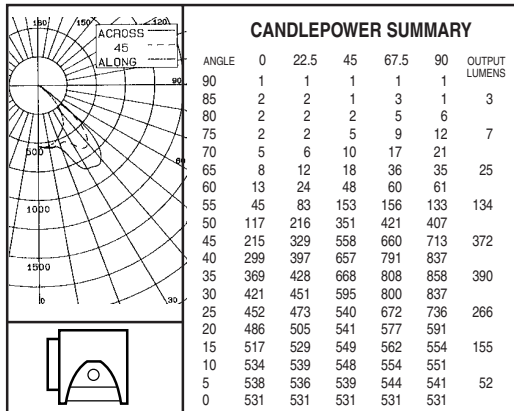


RCC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	.61	.61	.61	.61	.59	.59	.59	.59	.57	.57	.57	.57	.54	.54	.54	.54	.52	.52	.52	.52	.51
1	.57	.55	.54	.53	.56	.54	.53	.52	.52	.51	.50	.50	.50	.49	.49	.49	.49	.48	.47	.46	.46
2	.53	.51	.48	.46	.52	.50	.47	.45	.48	.46	.44	.44	.46	.45	.43	.43	.45	.44	.42	.42	.42
3	.50	.46	.43	.40	.49	.45	.42	.40	.44	.41	.39	.39	.42	.40	.39	.39	.41	.40	.38	.37	.37
4	.46	.42	.38	.35	.45	.41	.38	.35	.40	.37	.35	.35	.39	.36	.34	.34	.38	.36	.34	.33	.33
5	.43	.38	.34	.31	.42	.37	.34	.31	.36	.33	.31	.31	.35	.32	.30	.30	.34	.32	.30	.29	.29
6	.40	.34	.30	.28	.39	.34	.30	.27	.33	.30	.27	.27	.32	.29	.27	.27	.31	.29	.27	.26	.26
7	.37	.31	.27	.24	.36	.31	.27	.24	.30	.26	.24	.24	.29	.26	.24	.24	.29	.26	.24	.23	.23
8	.34	.28	.24	.21	.33	.27	.24	.21	.27	.23	.21	.21	.26	.23	.21	.21	.26	.23	.21	.20	.20
9	.31	.25	.21	.18	.31	.25	.21	.18	.24	.21	.18	.18	.24	.20	.18	.18	.23	.20	.18	.17	.17
10	.29	.23	.19	.16	.28	.22	.19	.16	.22	.19	.16	.16	.22	.18	.16	.16	.21	.18	.16	.15	.15

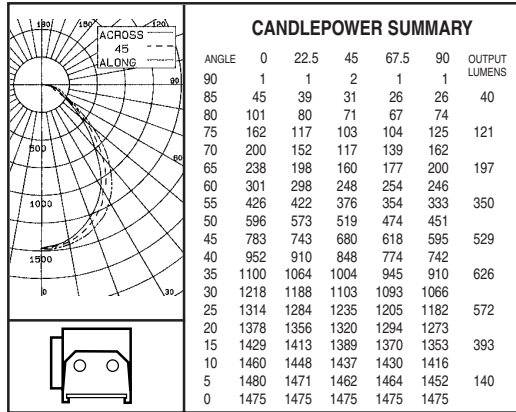
Floor Cavity Reflectance .20

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	1477	50.94	100
180-0°	1477	50.94	100

ANGLE	0°	45°	90°
45°	819	1299	1470
55°	238	573	779
65°	46	102	712
75°	21	33	60
85°	16	18	34



Photometric data Wall Direct 2-T8



W-D-66N24T8-XA 51.1% Efficiency
Litecontrol Certified Test Report #12121010

RCC RW	80			70			50			30			10			0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCC																			
RW																			
0	.61	.61	.61	.61	.59	.59	.59	.59	.57	.57	.57	.54	.54	.54	.52	.52	.52	.51	
1	.57	.55	.53	.51	.55	.54	.52	.51	.51	.50	.49	.50	.49	.48	.48	.47	.46	.45	
2	.53	.49	.46	.44	.51	.48	.46	.44	.46	.44	.43	.45	.43	.42	.44	.42	.41	.40	
3	.49	.44	.41	.38	.48	.44	.40	.38	.42	.40	.37	.41	.39	.37	.40	.38	.36	.35	
4	.45	.40	.36	.34	.44	.40	.36	.33	.38	.35	.33	.37	.35	.32	.36	.34	.32	.31	
5	.42	.36	.32	.29	.41	.36	.32	.29	.35	.31	.29	.34	.31	.29	.33	.30	.28	.27	
6	.39	.33	.29	.26	.38	.32	.29	.26	.32	.28	.26	.31	.28	.25	.30	.27	.25	.24	
7	.36	.30	.26	.23	.35	.30	.26	.23	.29	.25	.23	.28	.25	.23	.27	.25	.23	.22	
8	.34	.27	.23	.20	.33	.27	.23	.20	.26	.23	.20	.26	.22	.20	.25	.22	.20	.19	
9	.31	.25	.21	.18	.30	.24	.21	.18	.24	.20	.18	.23	.20	.18	.23	.20	.18	.17	
10	.29	.22	.19	.16	.28	.22	.19	.16	.22	.18	.16	.21	.18	.16	.21	.18	.16	.15	

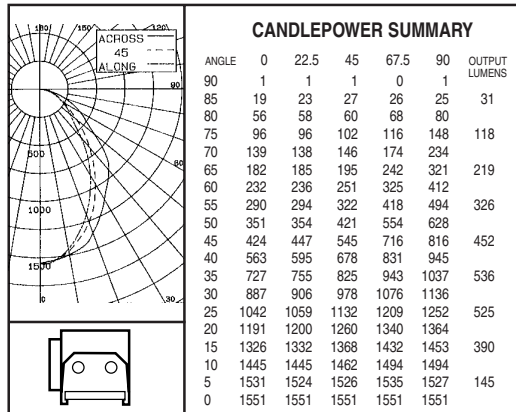
Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	2964	51.11	100
180-0°	2964	51.11	100

LUMINANCE SUMMARY (fL)

ANGLE	0°	45°	90°
45°	2087	1820	1592
55°	1401	1239	1100
65°	1062	714	897
75°	1182	749	911
85°	965	674	569



W-D-66N24T8-BW 47.2% Efficiency
Litecontrol Certified Test Report #12121300

RCC RW	80			70			50			30			10			0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCC																			
RW																			
0	.56	.56	.56	.56	.55	.55	.55	.55	.52	.52	.52	.50	.50	.50	.48	.48	.48	.47	
1	.52	.51	.49	.48	.51	.50	.48	.47	.48	.46	.45	.46	.45	.44	.44	.43	.43	.42	
2	.49	.45	.43	.41	.48	.45	.42	.40	.43	.41	.39	.42	.40	.38	.40	.39	.38	.37	
3	.45	.41	.38	.35	.44	.40	.37	.35	.39	.36	.34	.38	.36	.34	.37	.35	.33	.32	
4	.42	.37	.34	.31	.41	.36	.33	.31	.35	.33	.30	.34	.32	.30	.33	.31	.30	.29	
5	.39	.33	.30	.27	.38	.33	.29	.27	.32	.29	.27	.31	.28	.26	.30	.28	.26	.25	
6	.36	.30	.27	.24	.35	.30	.26	.24	.29	.26	.24	.28	.26	.24	.28	.25	.23	.23	
7	.33	.28	.24	.22	.33	.27	.24	.21	.27	.23	.21	.26	.23	.21	.25	.23	.21	.20	
8	.31	.25	.22	.19	.30	.25	.21	.19	.24	.21	.19	.24	.21	.19	.23	.21	.19	.18	
9	.29	.23	.19	.17	.28	.23	.19	.17	.22	.19	.17	.22	.19	.17	.21	.18	.16	.16	
10	.27	.21	.17	.15	.26	.21	.17	.15	.20	.17	.15	.20	.17	.15	.19	.17	.15	.14	

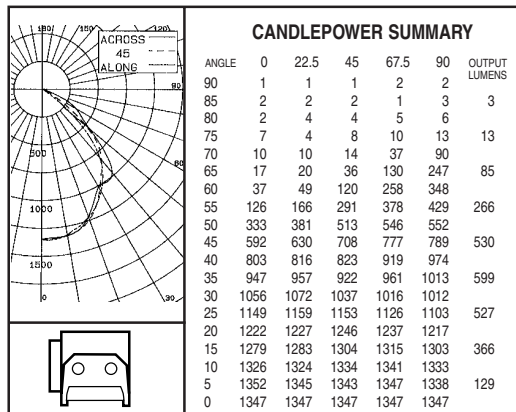
Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	2738	47.22	100
180-0°	2738	47.22	100

LUMINANCE SUMMARY (fL)

ANGLE	0°	45°	90°
45°	1131	1458	2182
55°	953	1061	1629
65°	813	871	1436
75°	698	744	1085
85°	415	577	543



W-D-66N24T8-PBSS 43.4% Efficiency
Litecontrol Certified Test Report #12121340

RCC RW	80			70			50			30			10			0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCC																			
RW																			
0	.52	.52	.52	.52	.50	.50	.50	.50	.48	.48	.48	.46	.46	.46	.44	.44	.44	.43	
1	.49	.47	.46	.45	.48	.46	.45	.44	.45	.44	.43	.43	.42	.41	.41	.41	.40	.39	
2	.46	.43	.41	.39	.45	.42	.40	.39	.41	.39	.38	.40	.38	.37	.38	.37	.36	.36	
3	.43	.39	.37	.35	.42	.39	.36	.34	.38	.35	.34	.36	.35	.33	.35	.34	.33	.32	
4	.40	.36	.33	.31	.39	.35	.33	.30	.34	.32	.30	.33	.31	.30	.32	.31	.29	.29	
5	.37	.33	.29	.27	.36	.32	.29	.27	.31	.29	.27	.30	.28	.26	.30	.28	.26	.25	
6	.34	.30	.26	.24	.34	.29	.26	.24	.29	.26	.24	.28	.25	.24	.27	.25	.23	.23	
7	.32	.27	.24	.22	.31	.27	.24	.21	.26	.23	.21	.25	.23	.21	.25	.23	.21	.20	
8	.30	.24	.21	.19	.29	.24	.21	.19	.24	.21	.19	.23	.21	.19	.23	.20	.19	.18	
9	.27	.22	.19	.17	.27	.22	.19	.17	.21	.18	.17	.21	.18	.16	.20	.18	.16	.16	
10	.25	.20	.17	.15	.25	.20	.17	.15	.19	.17	.15	.19	.16	.15	.19	.16	.15	.14	

Floor Cavity Reflectance .20

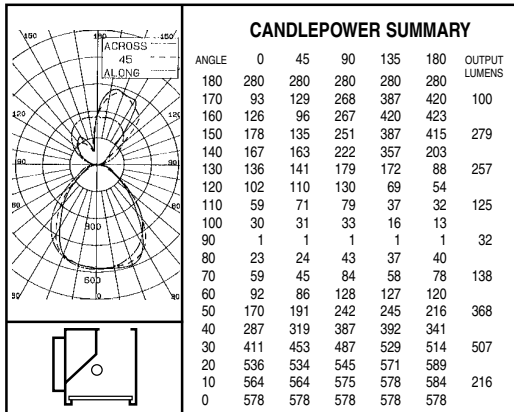
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	2514	43.35	100
180-0°	2514	43.35	100

LUMINANCE SUMMARY (fL)

ANGLE	0°	45°	90°
45°	1579	1894	2110
55°	414	960	1415
65°	74	161	1107
75°	48	61	93
85°	39	34	67

Photometric data Wall Indirect/Direct 1-T8



W-ID-66N14T8-XA 69.4% Efficiency
Litecontrol Certified Test Report #10411010

RCC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	.76	.76	.76	.76	.71	.71	.71	.71	.62	.62	.62	.54	.54	.54	.46	.46	.46	.43			
1	.71	.68	.65	.63	.66	.64	.62	.59	.56	.54	.53	.49	.48	.47	.42	.42	.41	.38			
2	.65	.60	.57	.53	.61	.57	.53	.50	.50	.48	.45	.44	.42	.41	.38	.37	.36	.33			
3	.60	.54	.49	.46	.56	.51	.47	.44	.45	.42	.39	.40	.38	.36	.35	.33	.32	.29			
4	.55	.48	.43	.39	.52	.46	.41	.38	.41	.37	.34	.36	.33	.31	.32	.30	.28	.26			
5	.51	.43	.38	.34	.48	.41	.36	.33	.37	.33	.30	.33	.30	.27	.29	.27	.25	.23			
6	.47	.39	.34	.30	.44	.37	.32	.29	.33	.29	.27	.30	.27	.24	.26	.24	.22	.20			
7	.44	.35	.30	.26	.41	.34	.29	.25	.30	.26	.23	.27	.24	.21	.24	.22	.20	.18			
8	.40	.32	.27	.23	.38	.30	.26	.22	.27	.23	.21	.25	.21	.19	.22	.19	.17	.16			
9	.37	.29	.24	.20	.35	.27	.23	.20	.25	.21	.18	.22	.19	.17	.20	.17	.15	.14			
10	.35	.26	.21	.18	.33	.25	.21	.17	.23	.19	.16	.20	.17	.15	.18	.15	.14	.12			

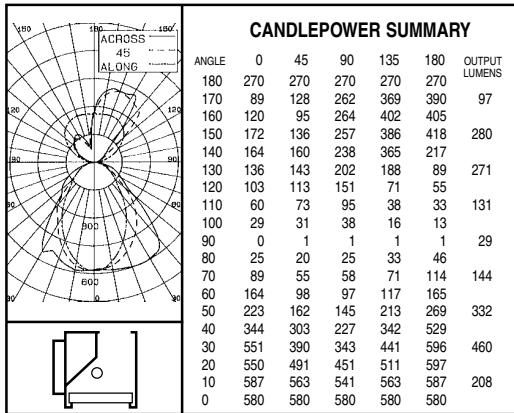
Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	771	26.60	38.32
90-0°	1241	42.81	61.68
180-0°	2012	69.41	100

LUMINANCE SUMMARY (fL)

ANGLE	0°	45°	90°	135°	180°
45°	615	672	848	843	741
55°	409	435	582	607	534
65°	336	255	446	380	421
75°	300	284	495	365	461
85°	130	152	433	455	391



W-ID-66N14T8-BW 67.0% Efficiency
Litecontrol Certified Test Report #10411300

RCC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	.73	.73	.73	.73	.68	.68	.68	.68	.59	.59	.59	.51	.51	.51	.43	.43	.43	.40			
1	.68	.65	.63	.61	.63	.61	.59	.57	.53	.52	.50	.46	.45	.44	.40	.39	.38	.35			
2	.62	.58	.54	.51	.58	.54	.51	.48	.48	.45	.43	.42	.40	.38	.36	.35	.33	.31			
3	.57	.52	.47	.44	.54	.49	.45	.41	.43	.40	.37	.38	.35	.33	.33	.31	.30	.27			
4	.53	.46	.41	.38	.49	.44	.39	.36	.39	.35	.33	.34	.31	.29	.30	.28	.26	.24			
5	.49	.41	.36	.32	.45	.39	.34	.31	.35	.31	.28	.31	.28	.26	.27	.25	.23	.21			
6	.45	.37	.32	.29	.42	.35	.31	.27	.31	.28	.25	.28	.25	.23	.25	.22	.20	.19			
7	.42	.34	.29	.25	.39	.32	.27	.24	.29	.25	.22	.25	.22	.20	.22	.20	.18	.17			
8	.39	.31	.26	.22	.36	.29	.24	.21	.26	.22	.19	.23	.20	.18	.20	.18	.16	.15			
9	.36	.28	.23	.19	.33	.26	.22	.19	.23	.20	.17	.21	.18	.16	.18	.16	.14	.13			
10	.33	.25	.20	.17	.31	.24	.20	.17	.21	.18	.15	.19	.16	.14	.17	.14	.13	.11			

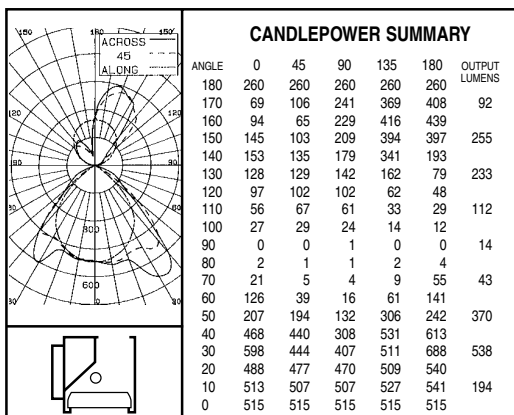
Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	788	27.21	40.61
90-0°	1153	39.79	59.39
180-0°	1942	67.00	100

LUMINANCE SUMMARY (fL)

ANGLE	0°	45°	90°	135°	180°
45°	658	602	467	757	1068
55°	650	406	394	498	660
65°	573	336	339	412	618
75°	366	263	291	372	592
85°	152	152	216	369	413



W-ID-66N14T8-PBSS 63.5% Efficiency
Litecontrol Certified Test Report #10411340

RCC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	.70	.70	.70	.70	.65	.65	.65	.65	.57	.57	.57	.50	.50	.50	.43	.43	.43	.39			
1	.65	.63	.61	.59	.61	.59	.57	.56	.52	.51	.50	.46	.45	.44	.40	.39	.39	.36			
2	.60	.57	.53	.50	.57	.53	.50	.48	.47	.45	.43	.42	.40	.39	.37	.36	.35	.32			
3	.56	.51	.47	.44	.53	.48	.45	.42	.43	.40	.38	.38	.36	.34	.34	.32	.31	.29			
4	.52	.46	.41	.38	.49	.43	.40	.36	.39	.36	.33	.35	.32	.31	.31	.29	.28	.26			
5	.48	.41	.36	.33	.45	.39	.35	.32	.35	.32	.29	.31	.29	.27	.28	.26	.25	.23			
6	.44	.37	.33	.29	.42	.35	.31	.28	.32	.29	.26	.29	.26	.24	.26	.24	.22	.20			
7	.41	.34	.29	.26	.38	.32	.28	.25	.29	.25	.23	.26	.23	.21	.23	.21	.19	.18			
8	.38	.30	.26	.22	.35	.29	.24	.22	.26	.23	.20	.24	.21	.18	.21	.19	.17	.16			
9	.35	.27	.23	.19	.33	.26	.22	.19	.23	.20	.17	.21	.18	.16	.19	.17	.15	.14			
10	.32	.25	.20	.17	.30	.24	.19	.17	.21	.18	.15	.19	.16	.14	.17	.15	.13	.12			

Floor Cavity Reflectance .20

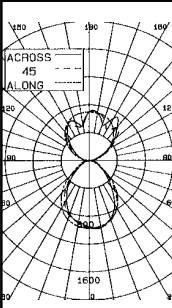
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	700	24.15	38.03
90-0°	1141	39.36	61.97
180-0°	1841	63.51	100

LUMINANCE SUMMARY (fL)

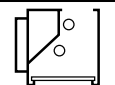
ANGLE	0°	45°	90°	135°	180°
45°	784	864	608	1196	1022
55°	541	320	174	505	571
65°	416	54	36	98	501
75°	29	15	15	36	58
85°	0	0	22	22	43

Photometric data Wall Indirect/Direct 2-T8



CANDLEPOWER SUMMARY

ANGLE	0	45	90	135	180	OUTPUT LUMENS
180	699	699	699	699	699	699
170	517	547	693	711	691	238
160	593	525	671	623	548	
150	604	577	621	510	702	630
140	485	526	540	614	622	
130	356	397	434	499	462	700
120	239	273	317	342	284	
110	154	164	193	176	134	365
100	79	83	77	56	49	
90	1	2	2	4	5	66
80	40	40	68	55	61	
70	102	76	132	83	113	211
60	153	152	197	172	171	
50	276	316	379	345	305	564
40	472	511	610	571	474	
30	655	704	791	783	724	783
20	818	840	898	906	884	
10	896	901	954	971	971	350
0	961	961	961	961	961	



W-ID-66N24T8-XA 67.2% Efficiency
Litecontrol Certified Test Report #10421010

RCC	80				70				50				30				10				0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RW																						
RCR																						
0	.72	.72	.72	.72	.66	.66	.66	.66	.56	.56	.56	.46	.46	.46	.37	.37	.37	.33	.33	.33	.33	.33
1	.66	.64	.61	.59	.61	.59	.57	.55	.50	.49	.47	.42	.41	.40	.34	.33	.33	.29	.29	.29	.29	.29
2	.61	.56	.53	.49	.56	.52	.49	.46	.45	.42	.40	.38	.36	.34	.31	.30	.29	.26	.26	.26	.26	.26
3	.56	.50	.46	.42	.52	.47	.43	.40	.40	.37	.35	.34	.32	.30	.28	.27	.26	.23	.23	.23	.23	.23
4	.52	.45	.40	.36	.48	.42	.38	.34	.36	.33	.30	.31	.28	.26	.26	.24	.23	.20	.20	.20	.20	.20
5	.48	.40	.35	.31	.44	.38	.33	.30	.32	.29	.26	.28	.25	.23	.23	.21	.20	.18	.18	.18	.18	.18
6	.44	.36	.31	.28	.41	.34	.29	.26	.29	.26	.23	.25	.23	.20	.21	.19	.18	.16	.16	.16	.16	.16
7	.41	.33	.28	.24	.38	.31	.26	.23	.27	.23	.21	.23	.20	.18	.19	.17	.16	.14	.14	.14	.14	.14
8	.38	.30	.25	.21	.35	.28	.23	.20	.24	.21	.18	.21	.18	.16	.18	.16	.14	.12	.12	.12	.12	.12
9	.35	.27	.22	.19	.32	.25	.21	.18	.22	.18	.16	.19	.16	.14	.16	.14	.12	.11	.11	.11	.11	.11
10	.32	.24	.20	.17	.30	.23	.19	.16	.20	.17	.14	.17	.14	.13	.15	.13	.11	.10	.10	.10	.10	.10

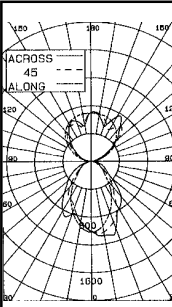
Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	1967	33.92	50.48
90-0°	1930	33.28	49.52
180-0°	3898	67.21	100

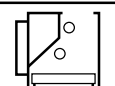
LUMINANCE SUMMARY (fL)

ANGLE	0°	45°	90°	135°	180°
45°	987	1100	1333	1212	1028
55°	666	749	897	828	759
65°	551	448	691	510	604
75°	526	467	772	532	651
85°	195	260	649	651	651



CANDLEPOWER SUMMARY

ANGLE	0	45	90	135	180	OUTPUT LUMENS
180	694	694	694	694	694	694
170	523	551	690	694	663	238
160	613	554	671	604	532	
150	602	594	628	528	734	643
140	484	526	557	646	647	
130	356	400	456	517	477	722
120	238	272	334	350	293	
110	152	164	204	176	134	369
100	76	80	76	56	47	
90	0	3	3	5	5	60
80	42	35	39	49	74	
70	148	90	91	107	172	227
60	283	161	154	177	241	
50	429	264	230	305	384	514
40	591	458	368	478	664	
30	816	614	576	709	793	714
20	808	704	773	931	1029	
10	880	878	938	1029	1079	349
0	1007	1007	1007	1007	1007	



W-ID-66N24T8-BW 66.0% Efficiency
Litecontrol Certified Test Report #10421300

RCC	80				70				50				30				10				0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RW																						
RCR																						
0	.70	.70	.70	.70	.65	.65	.65	.65	.54	.54	.54	.44	.44	.44	.36	.36	.36	.31	.31	.31	.31	.31
1	.65	.62	.60	.58	.60	.57	.55	.53	.48	.47	.46	.40	.39	.38	.32	.32	.31	.28	.28	.28	.28	.28
2	.59	.55	.51	.48	.55	.51	.48	.45	.43	.41	.39	.36	.34	.33	.29	.28	.27	.24	.24	.24	.24	.24
3	.55	.49	.45	.41	.50	.45	.42	.39	.39	.36	.34	.32	.31	.29	.27	.25	.24	.21	.21	.21	.21	.21
4	.50	.44	.39	.35	.46	.41	.37	.33	.35	.32	.29	.29	.27	.25	.24	.23	.21	.19	.19	.19	.19	.19
5	.46	.39	.34	.30	.43	.36	.32	.29	.31	.28	.25	.26	.24	.22	.22	.20	.19	.17	.17	.17	.17	.17
6	.43	.35	.30	.27	.39	.33	.28	.25	.28	.25	.22	.24	.22	.20	.20	.18	.17	.15	.15	.15	.15	.15
7	.40	.32	.27	.24	.37	.30	.25	.22	.26	.22	.20	.22	.19	.17	.18	.16	.15	.13	.13	.13	.13	.13
8	.37	.29	.24	.21	.34	.27	.23	.20	.23	.20	.17	.20	.17	.15	.17	.15	.13	.12	.12	.12	.12	.12
9	.34	.26	.21	.18	.31	.24	.20	.17	.21	.18	.15	.18	.15	.14	.15	.13	.12	.10	.10	.10	.10	.10
10	.32	.24	.19	.16	.29	.22	.18	.15	.19	.16	.14	.17	.14	.12	.14	.12	.11	.09	.09	.09	.09	.09

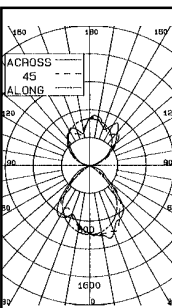
Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	2003	34.54	52.36
90-0°	1823	31.43	47.64
180-0°	3826	65.98	100

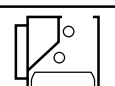
LUMINANCE SUMMARY (fL)

ANGLE	0°	45°	90°	135°	180°
45°	1300	955	741	1044	1405
55°	1188	663	628	742	947
65°	954	551	540	636	922
75°	614	430	473	569	958
85°	217	260	368	542	716



CANDLEPOWER SUMMARY

ANGLE	0	45	90	135	180	OUTPUT LUMENS
180	673	673	673	673	673	673
170	482	519	659	712	680	229
160	552	481	626	600	560	
150	580	542	568	509	681	601
140	473	505	491	593	619	
130	350	390	391	496	464	679
120	230	269	283	345	290	
110	149	158	171	177	135	356
100	77	81	67	60	50	
90	2	4	0	3	3	41
80	5	5	5	5	10	
70	30	10	9	15	93	70
60	204	67	30	92	222	
50	362	320	230	389	355	550
40	679	630	561	674	716	
30	846	699	759	843	875	841
20	743	754	887	1005	1010	
10	868	898	962	995	1019	354
0	973	973	973	973	973	



W-ID-66N24T8-PBSS 64.0% Efficiency
Litecontrol Certified Test Report #10421340

RCC	80				70				50				30				10				0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RW																						
RCR																						
0	.68	.68	.68	.68	.63	.63	.63	.63	.53	.53	.53	.44	.44	.44	.35	.35	.35	.31	.31	.31	.31	.31
1	.64	.61	.59	.57	.59	.57	.55	.53	.48	.47	.46	.40	.39	.39	.33	.32	.32	.29	.29	.29	.29	.29
2	.59	.55	.51	.48	.54	.51	.48	.45	.43	.41	.40	.37	.35	.34	.30	.29	.29	.26	.26	.26	.26	.26
3	.54	.49	.45	.42	.50	.46	.42	.39	.39	.37	.35	.33	.32	.30	.28	.27	.26	.23	.23	.23	.23	.23
4	.50	.44	.40	.36	.46	.41	.37	.34	.36	.33	.30	.30	.28	.27	.26	.24	.23	.21	.21	.21	.21	.21
5	.46	.39	.35	.32	.43	.37	.33	.30	.32	.29	.27	.28	.25	.24	.23	.22	.20	.18	.18	.18	.18	.18
6	.43	.36	.31	.28	.40	.34	.29	.26	.29	.26	.24	.25	.23	.21	.21	.20	.18	.17	.17	.17	.17	.17
7	.40	.32	.28	.24	.37	.30	.26	.23	.26	.23	.21	.23	.20	.19	.20	.18	.16	.15	.15	.15	.15	.15
8	.37	.29	.25	.21	.34	.27	.23	.20	.24	.21	.18	.21	.18	.16	.18	.16	.14	.13	.13	.13	.13	.13
9	.34	.26	.22	.19	.31	.25	.21	.18	.22	.18	.16	.19	.16	.14	.16	.14	.13	.11	.11	.11	.11	.11
10	.31	.24	.20	.17	.29	.23	.19	.16	.20	.17	.14	.17	.15	.13	.15	.13	.11	.10	.10	.10	.10	