



LUMINAIRE TESTING LABORATORY, INC.



905 Harrison Street · Allentown, PA 18103 · (610) 770-1044 · Fax (610) 770-8912 · www.LuminaireTesting.com

LTL NUMBER: 08327

DATE: 08-26-2004

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with columns RC, RW, and rows for angles 0-10. Each cell contains four values representing different cavity reflectance scenarios.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 46.000 2.250
HEIGHT OF SIDE: 0.000 0.500

LUMINANCE IN CANDELA PER SQUARE METER
Table with columns ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG and rows for angles 0, 45, 55, 65, 75, 85.



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CANDELA DISTRIBUTION

ZONAL LUMEN SUMMARY

Table with 6 columns: Candela values at 0.0, 22.5, 45.0, 67.5, 90.0 degrees and Zonal Lumen Summary ranges from 0-5 to 175-180.

THIS TEST WAS CONDUCTED USING RELATIVE PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IESNA PROCEDURES. THE USER MUST THEREFORE USE CAUTION IN THE FOLLOWING SITUATIONS: 1) THIS TEST WAS PERFORMED USING A SPECIFIC BALLAST/LAMP COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER BALLAST/LAMP COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. 2) ACCORDING TO IESNA PROCEDURES, THE BALLAST(S) AND LAMP(S) ARE PRESUMED TO PRODUCE 100% OF RATED OUTPUT. AN APPROPRIATE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATINGS AND LUMINOUS INTENSITY VALUES GIVEN. 3) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT WHERE THE AMBIENT TEMPERATURE WAS HELD AT 25 C ± 1 C. FIELD PERFORMANCE MAY DIFFER PARTICULARLY IN REGARDS TO CHANGE IN LUMINOUS OUTPUT AS A RESULT OF DIFFERENCE IN AMBIENT TEMPERATURE AND METHOD OF MOUNTING THE LUMINAIRE.



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INITIAL ILLUMINATION OF 50 FOOTCANDLES USING LTL TEST NUMBER 08327
 LUMINAIRE SUSPENSION LENGTH = 1.5
 WORKING PLANE HEIGHT = 2.50
 FLOOR REFLECTANCE = 20

ROOM HT	CEIL RF	8				9				10				12			
		80	70	50	30	80	70	50	30	80	70	50	30	80	70	50	30
WALL RF		70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
WIDTH	LENGTH																
10.	10.	2	3	3	3	2	3	3	3	3	3	3	4	3	4	4	5
10.	15.	3	3	3	4	3	4	4	4	3	4	4	5	4	5	5	6
15.	20.	5	6	6	6	5	6	6	7	6	6	7	7	6	7	7	8
15.	30.	7	8	8	9	8	8	9	9	8	9	9	10	9	10	10	11
20.	20.	7	7	7	8	7	8	8	8	7	8	8	9	8	9	9	10
20.	30.	9	10	10	11	10	11	11	11	10	11	11	12	11	12	12	14
20.	40.	12	13	13	14	13	14	14	15	13	14	14	15	14	15	16	17
20.	60.	18	19	19	20	18	20	20	21	19	20	21	22	20	22	22	24
30.	30.	14	14	15	15	14	15	15	16	14	15	16	17	15	17	17	18
30.	40.	18	18	19	20	18	19	20	20	19	20	20	21	19	21	22	23
30.	50.	22	23	23	24	22	23	24	25	23	24	25	26	24	26	26	28
30.	60.	26	27	28	29	26	28	28	30	27	29	29	31	28	30	31	33
60.	60.	50	51	52	54	51	52	54	55	51	53	55	57	53	56	57	59
60.	80.	66	68	69	70	67	69	70	72	68	70	72	74	69	72	74	77
60.	100.	82	84	86	87	83	85	87	89	84	87	89	91	86	89	91	95
100.	100.	135	137	140	142	136	139	142	144	137	140	144	147	140	144	147	151

QUANTITY OF LUMINAIRES