



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LE202-77-5-V1-4-SM-AF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] INDOOR PHOTOMETRIC
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 08-JUL-2013
 [MANUFAC] LDPI Inc
 [LUMINAIRE] 288 LED (72 PER BOARD) 4'ENCLOSED/GASKETED LUMINAIRE
 [MORE] ALUM HEATSINK w/FROSTED ARCYLIC DROP LENS
 [MORE] 2 UNIVERSAL EVERLINE LED DRIVERS #D255CQ42UNVA-A
 [LUMCAT] LE202-77-5-V1-4-SM-AF
 [LAMPCAT] M510C840D72N3S

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8676
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	84
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.27 ft
Luminous Width (90-270)	0.52 ft
Luminous Height	0.29 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8930	7059	7275
55	7615	6503	7240
65	6293	6445	7650
75	4433	6312	7646
85	2646	6801	8685

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2307	2307	2307	2307	2307
5	2312	2308	2303	2299	2297
10	2270	2262	2248	2239	2235
15	2156	2144	2125	2113	2107
20	2131	2107	2079	2063	2059
25	1963	1935	1910	1909	1916
30	1836	1806	1788	1814	1827
35	1715	1680	1692	1743	1764
40	1539	1506	1562	1645	1675
45	1396	1372	1492	1614	1661
50	1186	1188	1358	1515	1578
55	992	1025	1262	1468	1547
60	798	874	1154	1395	1481
65	631	754	1101	1384	1473
70	458	633	1023	1314	1401
75	298	504	899	1178	1266
80	173	414	825	1122	1217
85	85	335	746	1058	1160
90	39	242	579	854	948
95	12	185	488	749	846
100	0	125	345	542	623
105	0	79	231	362	421
110	0	50	158	243	278
115	0	33	107	159	179
120	0	24	75	112	125
125	0	19	57	84	92
130	0	0	45	64	71
135	0	0	37	53	59
140	0	0	33	48	50
145	0	0	27	39	44
150	0	0	0	33	34
155	0	0	0	24	24
160	0	0	0	0	0
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	825.10	N.A.	9.50
0-30	1718.05	N.A.	19.80
0-40	2786.43	N.A.	32.10
0-60	5058.4	N.A.	58.30
0-80	7018.91	N.A.	80.90
0-90	7751.57	N.A.	89.30
10-90	7533.54	N.A.	86.80
20-40	1961.33	N.A.	22.60
20-50	3110.3	N.A.	35.90
40-70	3328.52	N.A.	38.40
60-80	1960.51	N.A.	22.60
70-80	903.96	N.A.	10.40
80-90	732.66	N.A.	8.40
90-110	734.58	N.A.	8.50
90-120	836.75	N.A.	9.60
90-130	883.51	N.A.	10.20
90-150	920.46	N.A.	10.60
90-180	924.12	N.A.	10.70
110-180	189.55	N.A.	2.20
0-180	8675.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	218.03
10-20	607.07
20-30	892.96
30-40	1068.38
40-50	1148.97
50-60	1123.00
60-70	1056.55
70-80	903.96
80-90	732.66
90-100	490.79
100-110	243.79
110-120	102.17
120-130	46.76
130-140	23.77
140-150	13.17
150-160	3.66
160-170	0.00
170-180	0.00

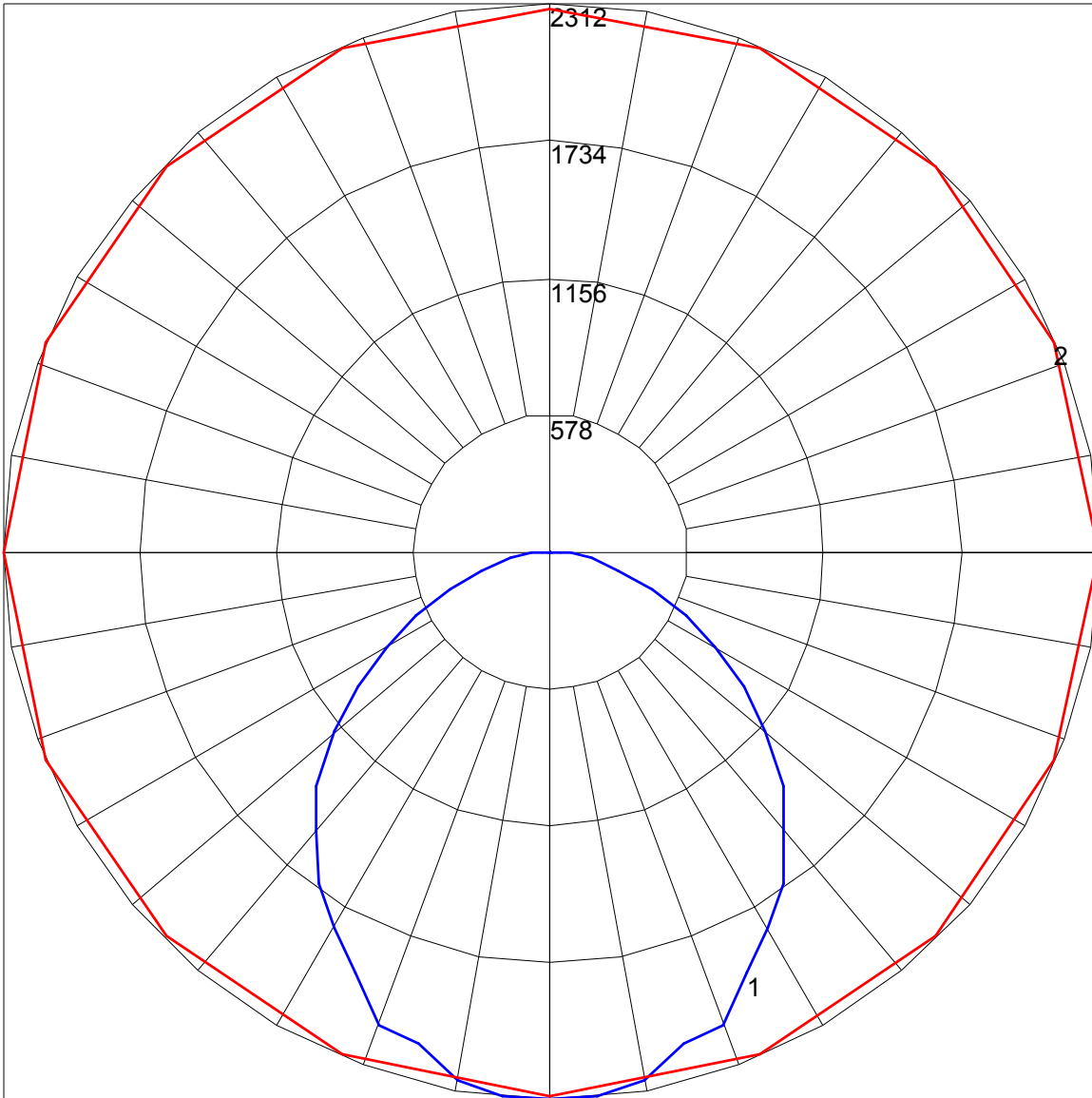
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC 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
0	117	117	117	117	113	113	113	113	105	105	105	98	98	98	92	92	92	89
1	103	97	91	86	99	93	88	84	87	83	79	81	78	75	76	73	71	68
2	92	83	75	68	89	80	72	66	74	68	63	69	64	60	65	61	57	54
3	84	72	63	55	80	69	61	54	65	58	52	60	54	49	56	51	47	44
4	76	63	53	46	73	61	52	45	57	49	43	53	47	42	50	44	40	37
5	70	56	46	39	67	54	45	39	51	43	37	48	41	36	45	39	34	32
6	64	50	41	34	62	49	40	33	46	38	32	43	36	31	41	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28	39	33	28	37	31	27	24
8	56	41	33	27	53	40	32	26	38	31	25	36	29	25	34	28	24	22
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	26	21	19
10	49	35	27	22	47	34	26	21	32	25	21	31	24	20	29	24	19	18

POLAR GRAPH



Maximum Candela = 2312 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)