



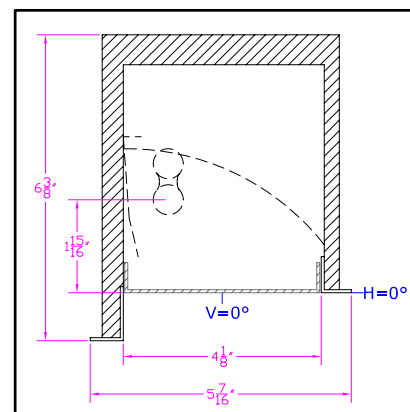
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L08110714R01.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L08110714R01
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUE DATE] 9/13/2011
[MANUFAC] PRUDENTIAL LIGHTING
[LUMCAT] BIO-PSM-REG-SMT5HO-04'-AWW-TMW-D1W-SC-120-X3
[LUMINAIRE] 5-7/16"L. X 49-1/8"W. X 6-3/8"H. PERIMETER REGRESSED MOUNT ASYMMETRIC WALL WASH LUMINAIRE
[MORE] ONE SMT5 SEAMLESS LAMP, HAMMERONE REFLECTOR
[MORE] ACRYLIC ASYMMETRIC WALL WASH LENS
[BALLASTCAT] UNIVERSAL B228PUNV-C
[BALLAST] 120 TO 277V 50/60Hz ELECTRONIC
[LAMPPOSITION] 90,90
[LAMPCAT] OSRAM HE 28W/840 SLS
[_LAMPLUM] 2600
[_INPUT] 120VAC, 32.555W

CHARACTERISTICS

Lumens Per Lamp	2600 (1 lamp)
Total Lamp Lumens	2600
Luminaire Lumens	2011
Total Luminaire Efficiency	77 %
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	32.555
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.02
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.34 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5226	5597	6460
55	4715	4895	5199
65	4504	4391	3772
75	4719	4320	2911
85	6642	5369	2184

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	1159	1159	1159	1159	1159	1159	1159	1159	1159
5	1189	1184	1181	1173	1150	1121	1087	1061	1055
10	1136	1139	1155	1159	1127	1064	980	913	892
15	1038	1050	1089	1122	1090	985	845	753	725
20	928	942	995	1060	1037	888	714	609	575
25	826	839	890	978	970	782	597	486	452
30	729	740	784	879	888	680	492	388	359
35	635	646	682	770	793	583	403	313	287
40	546	557	587	659	687	493	329	252	232
45	466	474	499	552	576	410	269	199	188
50	395	401	418	454	466	338	200	163	151
55	341	345	354	377	376	276	160	131	121
60	287	289	290	300	288	192	128	97	89
65	240	240	234	230	201	153	90	66	60
70	197	195	186	170	147	103	58	40	35
75	154	152	141	120	95	61	36	15	11
80	113	110	99	79	54	34	9	8	8
85	73	69	59	46	24	10	9	8	7
90	35	33	28	15	9	8	8	7	7
135	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	736.08	28.30	36.60
0-40	1100.44	42.30	54.70
0-60	1671.57	64.30	83.10
0-90	1974.84	76.00	98.20
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	35.82	1.40	1.80
90-180	35.82	1.40	1.80
0-180	2010.66	77.30	100.00

Total Luminaire Efficiency = 77.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.26
10-20	273.95
20-30	355.88
30-40	364.36
40-50	320.04
50-60	251.10
60-70	170.59
70-80	94.78
80-90	37.89
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	35.82
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

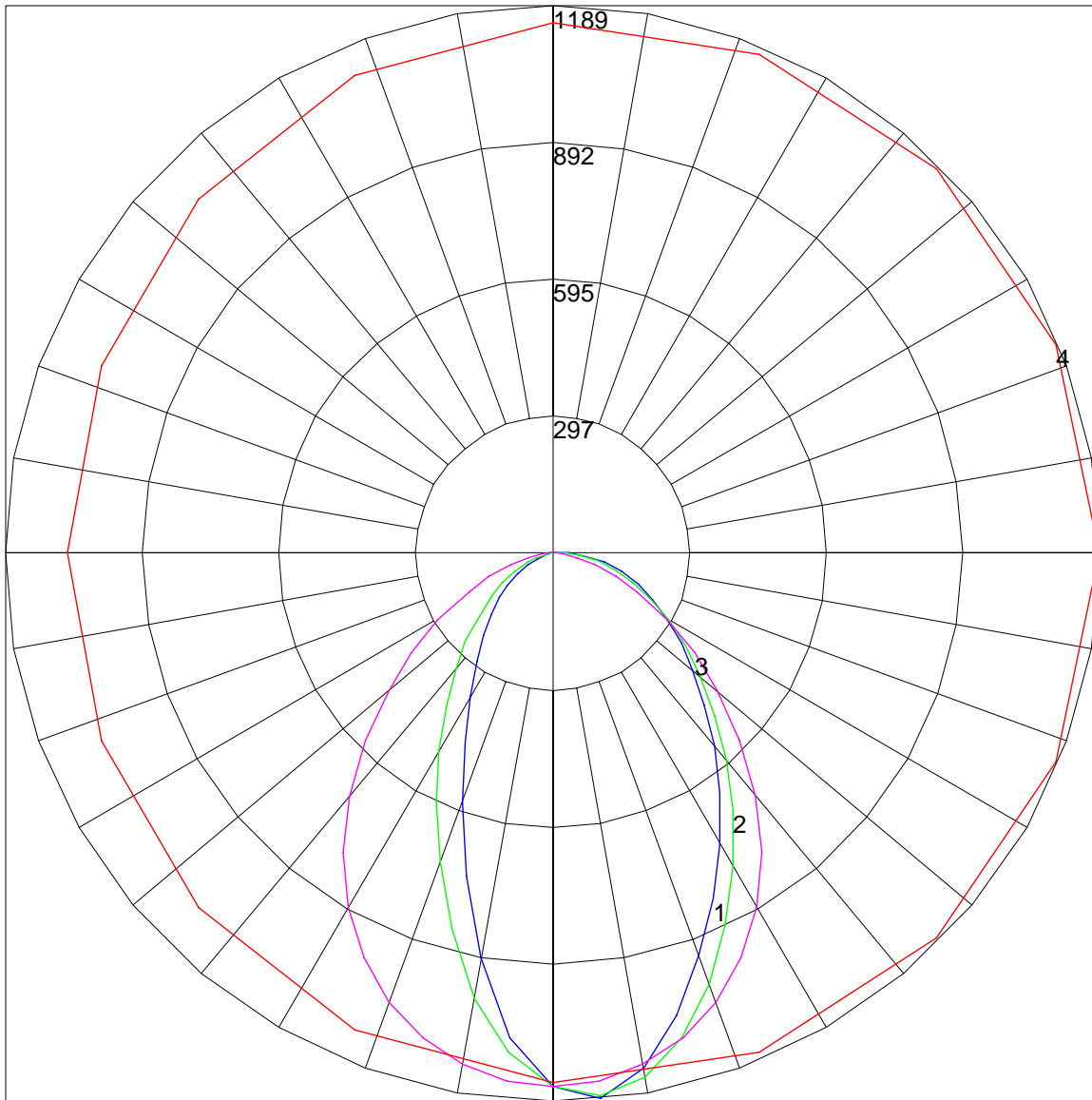
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	92	92	92	92	89	89	89	89	85	85	85	81	81	81	78	78	78	76
1	85	81	78	76	82	79	77	74	76	74	72	73	71	69	70	68	67	65
2	78	72	67	63	76	71	66	62	68	64	61	65	62	59	62	60	58	56
3	72	64	59	54	70	63	58	53	61	56	52	58	55	51	56	53	50	49
4	66	58	52	47	64	57	51	47	55	50	46	53	48	45	51	47	44	43
5	61	52	46	41	60	51	45	41	50	44	40	48	44	40	47	43	39	38
6	57	48	41	37	56	47	41	37	45	40	36	44	39	36	43	39	35	34
7	53	44	37	33	52	43	37	33	42	36	33	41	36	32	39	35	32	30
8	50	40	34	30	49	40	34	30	39	33	30	38	33	29	37	32	29	28
9	47	37	31	27	46	37	31	27	36	31	27	35	30	27	34	30	27	25
10	44	35	29	25	43	34	29	25	33	28	25	33	28	25	32	28	25	23

POLAR GRAPH



Maximum Candela = 1189 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN
3 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.) : RED

NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.