



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P61-LED-4-MO-PCL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L011508001
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 1/22/2015
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] P61-LED-4-MO-PCL
 [LUMINAIRE] 6"SQ. X 48"L. LED LUMINAIRE
 [MORE] WHITE REFLECTOR WITH CLEAR LENS
 [BALLASTCAT] OSRAM OPTOTRONIC
 [BALLAST] INPUT: 120-277VAC
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2497
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11363	2897	3025
55	10910	2940	2486
65	9452	2222	1981
75	5946	1574	1530
85	1428	1688	1428

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58
5	1359.26	1359.26	1359.26	1357.93	1360.59	1363.25	1367.24	1368.57	1371.23	1373.89
10	1347.29	1348.62	1347.29	1347.29	1351.28	1355.27	1357.93	1361.92	1364.58	1365.91
15	1320.69	1320.69	1320.69	1324.68	1331.33	1337.98	1332.66	1311.38	1282.12	1254.19
20	1280.79	1282.12	1286.11	1291.43	1296.75	1268.82	1224.93	1197.00	1194.34	1190.35
25	1234.24	1235.57	1240.89	1248.87	1212.96	1155.77	1142.47	1141.14	1135.82	1131.83
30	1174.39	1178.38	1186.36	1166.41	1097.25	1082.62	1077.30	1071.98	1071.98	1075.97
35	1107.89	1111.88	1122.52	1048.04	1012.13	1006.81	1001.49	1001.49	1008.14	1009.47
40	1033.41	1037.40	1022.77	934.99	929.67	921.69	921.69	927.01	932.33	911.05
45	944.30	950.95	891.10	839.23	829.92	832.58	836.57	839.23	353.78	240.73
50	840.56	847.21	756.77	732.83	728.84	731.50	703.57	216.79	218.12	222.11
55	735.49	738.15	638.40	626.43	627.76	598.50	191.52	194.18	198.17	198.17
60	611.80	585.20	517.37	510.72	500.08	163.59	166.25	170.24	160.93	152.95
65	469.49	426.93	385.70	385.70	130.34	134.33	131.67	122.36	115.71	110.39
70	321.86	279.30	256.69	97.09	99.75	91.77	85.12	81.13	78.47	75.81
75	180.88	144.97	98.42	63.84	57.19	53.20	51.87	49.21	49.21	47.88
80	66.50	54.53	33.25	30.59	29.26	27.93	27.93	29.26	29.26	29.26
85	14.63	14.63	14.63	14.63	15.96	15.96	17.29	17.29	17.29	17.29
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	50	55	60	65	70	75	80	85	90
0	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58	1364.58
5	1375.22	1376.55	1373.89	1372.56	1372.56	1371.23	1369.90	1372.56	1375.22
10	1356.60	1345.96	1337.98	1330.00	1323.35	1312.71	1303.40	1300.74	1298.08
15	1238.23	1230.25	1230.25	1228.92	1228.92	1231.58	1230.25	1222.27	1224.93
20	1190.35	1185.03	1190.35	1182.37	1181.04	1179.71	1183.70	1179.71	1182.37
25	1135.82	1134.49	1134.49	1142.47	1141.14	1139.81	1143.80	1146.46	1141.14
30	1077.30	1081.29	1087.94	1089.27	1094.59	1093.26	1094.59	1099.91	1093.26
35	1014.79	1018.78	931.00	488.11	283.29	279.30	280.63	280.63	281.96
40	361.76	260.68	262.01	264.67	266.00	267.33	268.66	271.32	271.32
45	243.39	246.05	247.38	250.04	251.37	251.37	251.37	251.37	251.37
50	224.77	224.77	220.78	215.46	211.47	208.81	207.48	207.48	207.48
55	190.19	183.54	178.22	174.23	171.57	170.24	168.91	167.58	167.58
60	147.63	142.31	138.32	135.66	134.33	133.00	131.67	131.67	131.67
65	106.40	103.74	102.41	101.08	99.75	98.42	98.42	98.42	98.42
70	73.15	71.82	71.82	70.49	70.49	70.49	70.49	70.49	70.49
75	47.88	47.88	46.55	46.55	46.55	46.55	46.55	46.55	46.55
80	29.26	29.26	29.26	30.59	30.59	30.59	31.92	31.92	31.92
85	17.29	15.96	15.96	15.96	14.63	14.63	14.63	14.63	14.63
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	490.10	N.A.	19.60
0-30	1026.93	N.A.	41.10
0-40	1549.85	N.A.	62.10
0-60	2240.43	N.A.	89.70
0-80	2479.23	N.A.	99.30
0-90	2496.63	N.A.	100.00
10-90	2367.03	N.A.	94.80
20-40	1059.75	N.A.	42.40
20-50	1458.26	N.A.	58.40
40-70	860.49	N.A.	34.50
60-80	238.80	N.A.	9.60
70-80	68.88	N.A.	2.80
80-90	17.40	N.A.	0.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2496.63	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.59
10-20	360.51
20-30	536.82
30-40	522.92
40-50	398.51
50-60	292.06
60-70	169.92
70-80	68.88
80-90	17.40
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

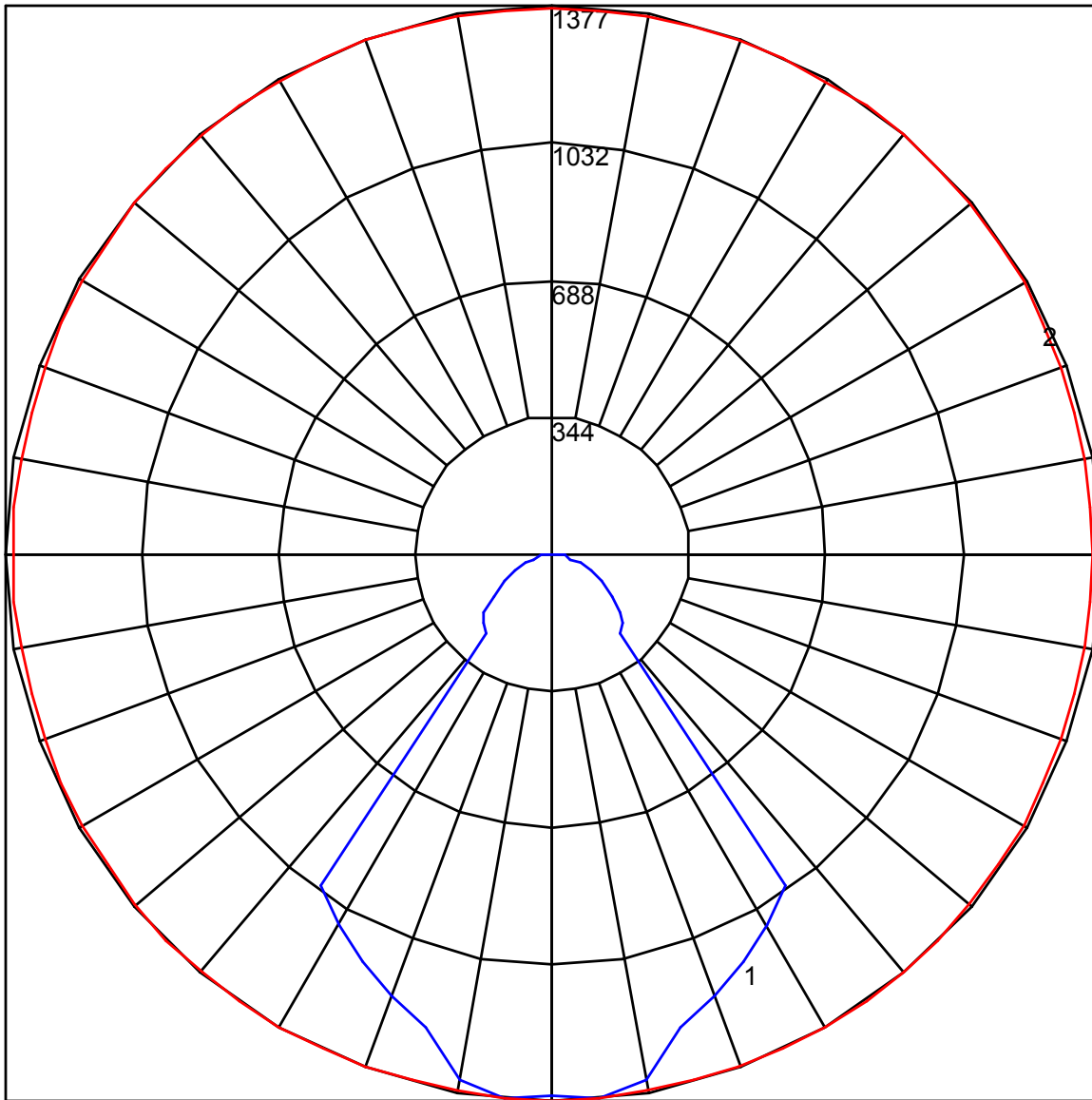
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	62	70	65	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	71	59	52	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

POLAR GRAPH



Maximum Candela = 1376.55 Located At Horizontal Angle = 55, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)