



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L011508001
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 1/22/2015
 [MANUFACT] PRUDENTIAL LTG.
 [LUMCAT] P61-LED-4HO-PCL
 [LUMINAIRE] 6"SQ. X 48"L. LED LUMINAIRE
 [MORE] WHITE REFLECTOR WITH CLEAR LENS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4130
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	48
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	18795	4791	5003
55	18047	4863	4112
65	15635	3676	3278
75	9836	2604	2531
85	2362	2792	2362

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2
5	2248.4	2248.4	2248.4	2246.2	2250.6	2255.0	2261.6	2263.8	2268.2	2272.6
10	2228.6	2230.8	2228.6	2228.6	2235.2	2241.8	2246.2	2252.8	2257.2	2259.4
15	2184.6	2184.6	2184.6	2191.2	2202.2	2213.2	2204.4	2169.2	2120.8	2074.6
20	2118.6	2120.8	2127.4	2136.2	2145.0	2098.8	2026.2	1980.0	1975.6	1969.0
25	2041.6	2043.8	2052.6	2065.8	2006.4	1911.8	1889.8	1887.6	1878.8	1872.2
30	1942.6	1949.2	1962.4	1929.4	1815.0	1790.8	1782.0	1773.2	1773.2	1779.8
35	1832.6	1839.2	1856.8	1733.6	1674.2	1665.4	1656.6	1656.6	1667.6	1669.8
40	1709.4	1716.0	1691.8	1546.6	1537.8	1524.6	1524.6	1533.4	1542.2	1507.0
45	1562.0	1573.0	1474.0	1388.2	1372.8	1377.2	1383.8	1388.2	585.2	398.2
50	1390.4	1401.4	1251.8	1212.2	1205.6	1210.0	1163.8	358.6	360.8	367.4
55	1216.6	1221.0	1056.0	1036.2	1038.4	990.0	316.8	321.2	327.8	327.8
60	1012.0	968.0	855.8	844.8	827.2	270.6	275.0	281.6	266.2	253.0
65	776.6	706.2	638.0	638.0	215.6	222.2	217.8	202.4	191.4	182.6
70	532.4	462.0	424.6	160.6	165.0	151.8	140.8	134.2	129.8	125.4
75	299.2	239.8	162.8	105.6	94.6	88.0	85.8	81.4	81.4	79.2
80	110.0	90.2	55.0	50.6	48.4	46.2	46.2	48.4	48.4	48.4
85	24.2	24.2	24.2	24.2	26.4	26.4	28.6	28.6	28.6	28.6
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2
5	2274.8	2277.0	2272.6	2270.4	2270.4	2268.2	2266.0	2270.4	2274.8
10	2244.0	2226.4	2213.2	2200.0	2189.0	2171.4	2156.0	2151.6	2147.2
15	2048.2	2035.0	2035.0	2032.8	2032.8	2037.2	2035.0	2021.8	2026.2
20	1969.0	1960.2	1969.0	1955.8	1953.6	1951.4	1958.0	1951.4	1955.8
25	1878.8	1876.6	1876.6	1889.8	1887.6	1885.4	1892.0	1896.4	1887.6
30	1782.0	1788.6	1799.6	1801.8	1810.6	1808.4	1810.6	1819.4	1808.4
35	1678.6	1685.2	1540.0	807.4	468.6	462.0	464.2	464.2	466.4
40	598.4	431.2	433.4	437.8	440.0	442.2	444.4	448.8	448.8
45	402.6	407.0	409.2	413.6	415.8	415.8	415.8	415.8	415.8
50	371.8	371.8	365.2	356.4	349.8	345.4	343.2	343.2	343.2
55	314.6	303.6	294.8	288.2	283.8	281.6	279.4	277.2	277.2
60	244.2	235.4	228.8	224.4	222.2	220.0	217.8	217.8	217.8
65	176.0	171.6	169.4	167.2	165.0	162.8	162.8	162.8	162.8
70	121.0	118.8	118.8	116.6	116.6	116.6	116.6	116.6	116.6
75	79.2	79.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0
80	48.4	48.4	48.4	50.6	50.6	50.6	52.8	52.8	52.8
85	28.6	26.4	26.4	26.4	24.2	24.2	24.2	24.2	24.2
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	810.70	N.A.	19.60
0-30	1698.68	N.A.	41.10
0-40	2563.66	N.A.	62.10
0-60	3705.97	N.A.	89.70
0-80	4100.98	N.A.	99.30
0-90	4129.76	N.A.	100.00
10-90	3915.39	N.A.	94.80
20-40	1752.96	N.A.	42.40
20-50	2412.16	N.A.	58.40
40-70	1423.37	N.A.	34.50
60-80	395.01	N.A.	9.60
70-80	113.94	N.A.	2.80
80-90	28.78	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	4129.76	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	214.36
10-20	596.34
20-30	887.98
30-40	864.98
40-50	659.19
50-60	483.11
60-70	281.07
70-80	113.94
80-90	28.78
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

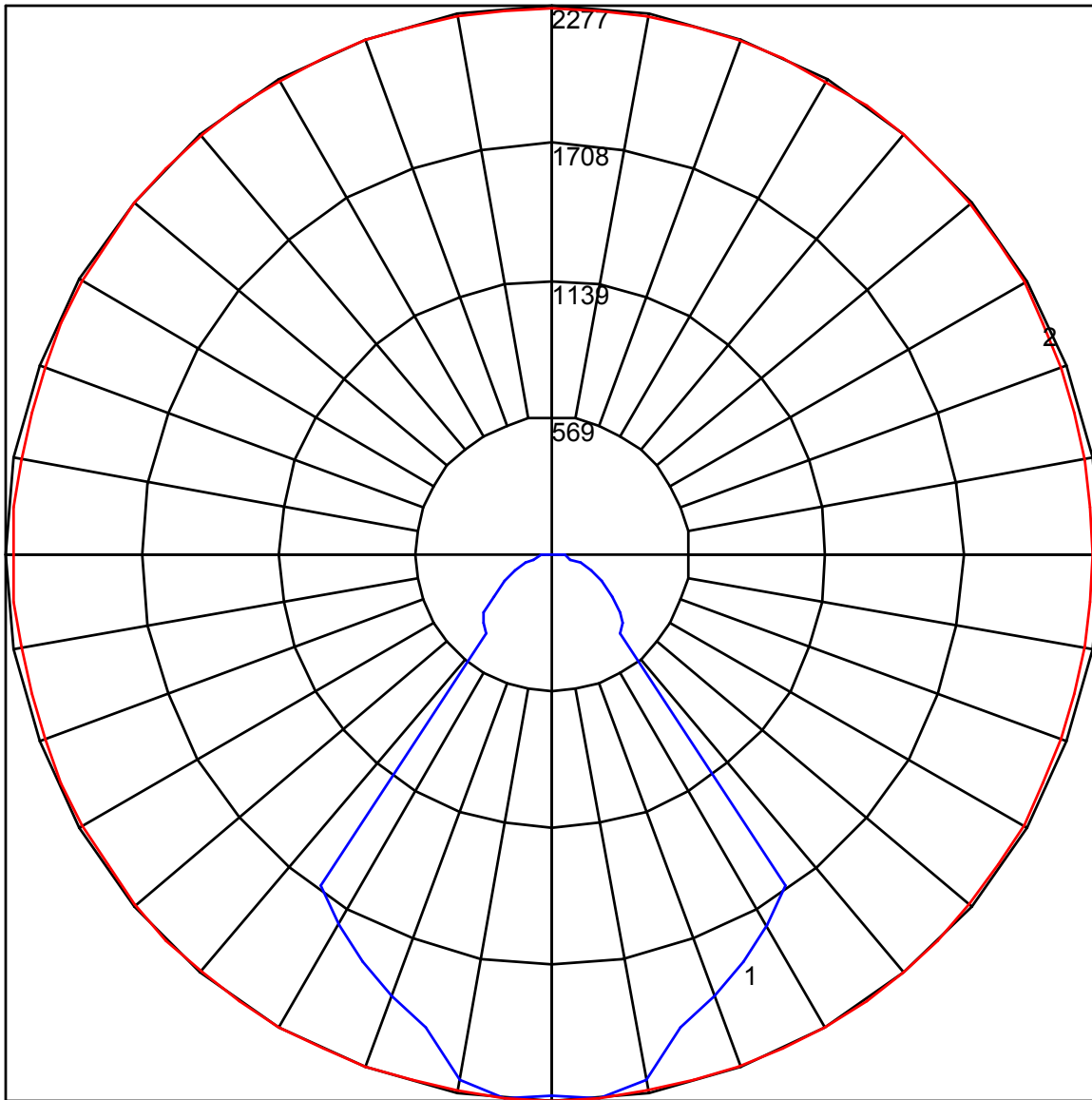
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	63	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 = 2277 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.)