



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P40-LED35HO-OPL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041411801
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 5/14/2014
 [MANUFACT] PRUDENTIAL LIGHTING
 [LUMCAT] P40-LED35HO-OPL-TMW-D1-SC-UNV
 [LUMINAIRE] 4-1/8"SQ. X 48-1/4"L. LED LUMINAIRE
 [MORE] DIFFUSED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT30W/PRG1050C/UNV/DIM/L
 [BALLAST] INPUT: 120-277VAC, [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 39W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3831
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.34 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9909	9656	9392
55	9109	8843	8581
65	8484	8193	7972
75	7207	7265	7229
85	5489	6679	7148

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508
5	1523.335	1523.660	1523.683	1523.498	1524.356	1525.980	1527.650	1528.254	1528.207	1527.882
10	1493.430	1493.802	1494.196	1494.242	1495.472	1496.493	1496.330	1495.542	1494.614	1494.335
15	1442.274	1442.530	1442.158	1441.555	1441.973	1442.901	1443.666	1444.061	1444.594	1442.785
20	1378.219	1378.289	1378.776	1379.031	1378.126	1376.015	1375.226	1374.345	1372.906	1370.981
25	1296.323	1296.300	1295.604	1294.537	1293.748	1293.841	1295.117	1293.400	1292.333	1286.510
30	1208.442	1208.604	1207.467	1204.753	1205.333	1202.085	1199.022	1196.958	1193.802	1192.805
35	1104.158	1103.717	1102.023	1101.234	1100.028	1098.845	1097.778	1096.107	1091.467	1085.528
40	996.556	996.138	995.187	994.120	994.282	994.027	991.058	984.794	980.455	977.718
45	886.124	885.544	885.150	887.516	885.544	880.185	876.937	873.039	869.698	863.458
50	773.372	772.862	772.954	775.854	773.511	767.224	764.022	762.422	755.392	751.193
55	660.782	660.411	659.506	658.439	661.177	655.098	652.036	649.414	644.751	641.480
60	565.500	564.618	558.331	556.962	555.802	557.194	551.766	550.350	545.989	543.414
65	453.444	451.820	448.270	446.971	446.623	444.953	443.166	441.589	439.918	437.877
70	340.622	340.182	340.901	338.975	338.558	338.070	337.606	336.910	336.075	335.147
75	235.898	234.529	235.062	235.248	235.967	236.640	237.127	237.498	237.777	237.800
80	140.592	139.223	140.174	141.659	143.353	145.000	146.415	147.761	148.967	149.988
85	60.506	60.482	61.990	63.870	65.772	67.605	69.368	70.969	72.361	73.614
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	50	55	60	65	70	75	80	85	90
0	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508	1538.508
5	1527.256	1526.954	1526.792	1525.562	1524.518	1523.683	1523.846	1524.426	1525.400
10	1493.454	1492.456	1492.085	1490.716	1489.765	1488.628	1488.094	1488.953	1489.858
15	1442.460	1439.096	1437.101	1435.500	1434.340	1433.203	1431.997	1433.018	1433.435
20	1369.334	1368.290	1366.967	1362.629	1360.842	1358.894	1357.362	1358.522	1358.290
25	1283.146	1279.898	1278.668	1276.742	1272.520	1270.061	1268.553	1268.924	1269.110
30	1189.139	1182.295	1179.279	1177.052	1175.614	1170.510	1168.538	1168.746	1169.373
35	1080.842	1078.406	1073.487	1069.775	1068.105	1063.929	1061.470	1061.725	1062.026
40	971.384	966.860	964.749	959.714	956.374	954.750	951.455	951.664	951.478
45	859.166	857.170	851.579	849.700	848.702	842.949	840.142	840.026	839.840
50	748.014	744.581	740.266	736.739	733.538	730.754	729.478	729.130	729.524
55	638.162	634.938	631.782	628.558	625.681	623.987	622.340	622.108	622.456
60	540.815	537.892	534.969	532.440	529.958	528.983	527.684	527.359	527.313
65	435.812	433.747	431.659	429.734	428.481	427.066	426.718	426.184	426.068
70	334.080	332.874	331.644	330.855	330.043	329.463	329.231	328.744	328.512
75	237.777	237.754	237.591	237.452	237.313	237.313	237.104	236.710	236.617
80	150.870	151.589	152.099	152.494	152.865	152.981	152.981	152.888	152.888
85	74.774	75.794	76.676	77.395	77.929	78.323	78.578	78.741	78.787
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	550.07	N.A.	14.40
0-30	1141.55	N.A.	29.80
0-40	1820.05	N.A.	47.50
0-60	3064.54	N.A.	80.00
0-80	3751.2	N.A.	97.90
0-90	3830.69	N.A.	100.00
10-90	3686.08	N.A.	96.20
20-40	1269.98	N.A.	33.20
20-50	1937.31	N.A.	50.60
40-70	1678.74	N.A.	43.80
60-80	686.66	N.A.	17.90
70-80	252.41	N.A.	6.60
80-90	79.49	N.A.	2.10
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	3830.69	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.61
10-20	405.46
20-30	591.48
30-40	678.49
40-50	667.33
50-60	577.16
60-70	434.25
70-80	252.41
80-90	79.49
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

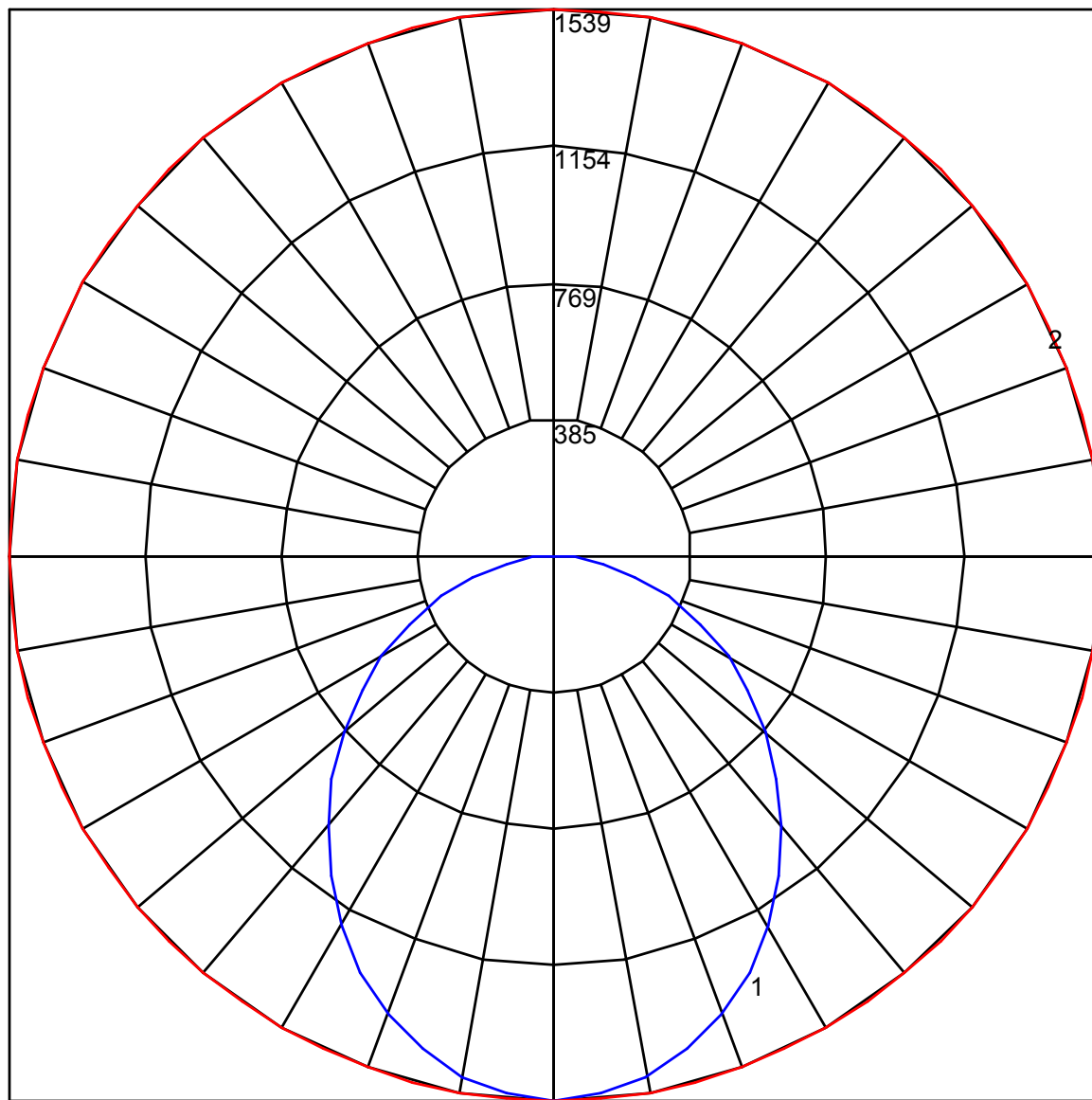
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

POLAR GRAPH



Maximum Candela = 1538.508 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)