



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43-LED35HO-SAL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041411802
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 5/14/2014
 [MANUFACT] PRUDENTIAL LIGHTING
 [LUMCAT] P43-LED35HO-SAL-TMW-D1-SC-UNV-X1
 [LUMINAIRE] 5"SQ. X 47-3/4"L. LED LUMINAIRES
 [MORE] DIFFUSED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT/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, 48W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.91 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11048	10159	9453
55	9992	9028	8328
65	9021	8180	7495
75	7655	6940	6431
85	6218	6001	5959

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616
5	1560.339	1560.293	1560.571	1560.432	1560.989	1562.358	1563.471	1564.074	1563.726	1562.961
10	1526.908	1526.583	1526.421	1525.748	1525.841	1526.467	1526.978	1528.671	1530.202	1529.878
15	1475.868	1476.100	1476.518	1476.564	1477.051	1477.840	1472.179	1465.962	1462.760	1459.698
20	1410.815	1410.258	1407.521	1400.630	1395.410	1393.090	1390.005	1386.014	1383.509	1383.393
25	1313.352	1312.865	1311.125	1308.410	1305.232	1301.590	1299.386	1299.246	1286.138	1276.278
30	1213.940	1213.221	1211.133	1207.699	1204.034	1204.173	1202.502	1184.963	1176.379	1170.370
35	1104.830	1104.134	1101.977	1098.242	1097.360	1097.128	1080.285	1070.518	1064.230	1051.030
40	990.663	989.596	987.230	982.891	981.592	980.803	963.125	951.919	950.342	928.858
45	880.533	879.210	870.650	865.267	859.862	859.351	844.155	834.365	822.185	809.657
50	755.415	755.067	756.366	756.923	743.119	734.373	734.303	717.089	704.445	693.680
55	645.958	646.584	647.187	635.170	629.346	627.815	611.134	601.970	592.458	583.689
60	543.135	544.411	545.246	536.198	531.419	524.366	514.390	505.899	495.274	489.056
65	429.734	431.288	433.492	426.230	422.611	414.746	408.877	402.636	396.488	389.667
70	325.867	325.890	321.459	318.930	314.522	310.509	306.565	303.386	297.749	297.030
75	223.323	221.235	222.395	217.361	215.598	214.948	213.394	208.730	205.738	202.466
80	133.238	133.098	131.057	130.941	131.660	128.760	126.811	125.558	124.213	123.006
85	61.086	59.926	61.109	59.601	59.485	59.462	59.438	59.276	59.114	58.951
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616	1580.616
5	1562.010	1561.314	1560.455	1559.156	1558.808	1558.738	1560.455	1561.314	1561.221
10	1524.611	1519.322	1517.280	1515.285	1513.475	1511.341	1511.109	1514.867	1515.006
15	1455.986	1454.640	1455.777	1446.798	1442.622	1439.792	1438.168	1441.184	1440.627
20	1371.561	1364.369	1359.010	1358.314	1353.558	1346.319	1343.489	1344.974	1344.765
25	1268.994	1267.718	1254.099	1247.278	1245.446	1237.349	1233.312	1232.778	1232.616
30	1159.745	1147.008	1142.020	1131.812	1124.481	1124.829	1114.482	1113.345	1113.159
35	1038.107	1034.674	1018.480	1012.216	1005.836	996.811	992.821	991.104	990.849
40	917.978	907.306	898.374	889.743	882.342	876.009	871.902	870.255	869.652
45	798.869	789.473	780.425	771.934	764.626	758.733	755.206	753.838	753.420
50	684.029	675.190	666.814	658.787	652.222	647.558	643.545	642.083	641.944
55	575.430	567.170	559.491	552.624	547.358	543.135	539.818	538.101	538.402
60	481.516	475.206	468.106	462.422	458.339	454.349	451.750	450.010	450.289
65	382.266	376.211	371.130	366.514	363.219	359.994	358.463	357.071	357.025
70	288.608	283.226	278.818	275.941	273.250	271.347	270.002	268.958	268.702
75	199.126	196.411	194.091	192.328	190.774	189.660	188.593	187.966	187.618
80	121.846	120.826	119.782	118.946	118.343	117.786	117.206	116.858	116.650
85	58.789	58.673	58.557	58.510	58.487	58.464	58.487	58.510	58.534
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	558.46	N.A.	15.40
0-30	1145.6	N.A.	31.50
0-40	1802.57	N.A.	49.60
0-60	2960.65	N.A.	81.50
0-80	3567.68	N.A.	98.20
0-90	3633.63	N.A.	100.00
10-90	3485.78	N.A.	95.90
20-40	1244.12	N.A.	34.20
20-50	1872.4	N.A.	51.50
40-70	1547.18	N.A.	42.60
60-80	607.03	N.A.	16.70
70-80	217.93	N.A.	6.00
80-90	65.96	N.A.	1.80
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	3633.63	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.85
10-20	410.60
20-30	587.14
30-40	656.97
40-50	628.28
50-60	529.80
60-70	389.10
70-80	217.93
80-90	65.96
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

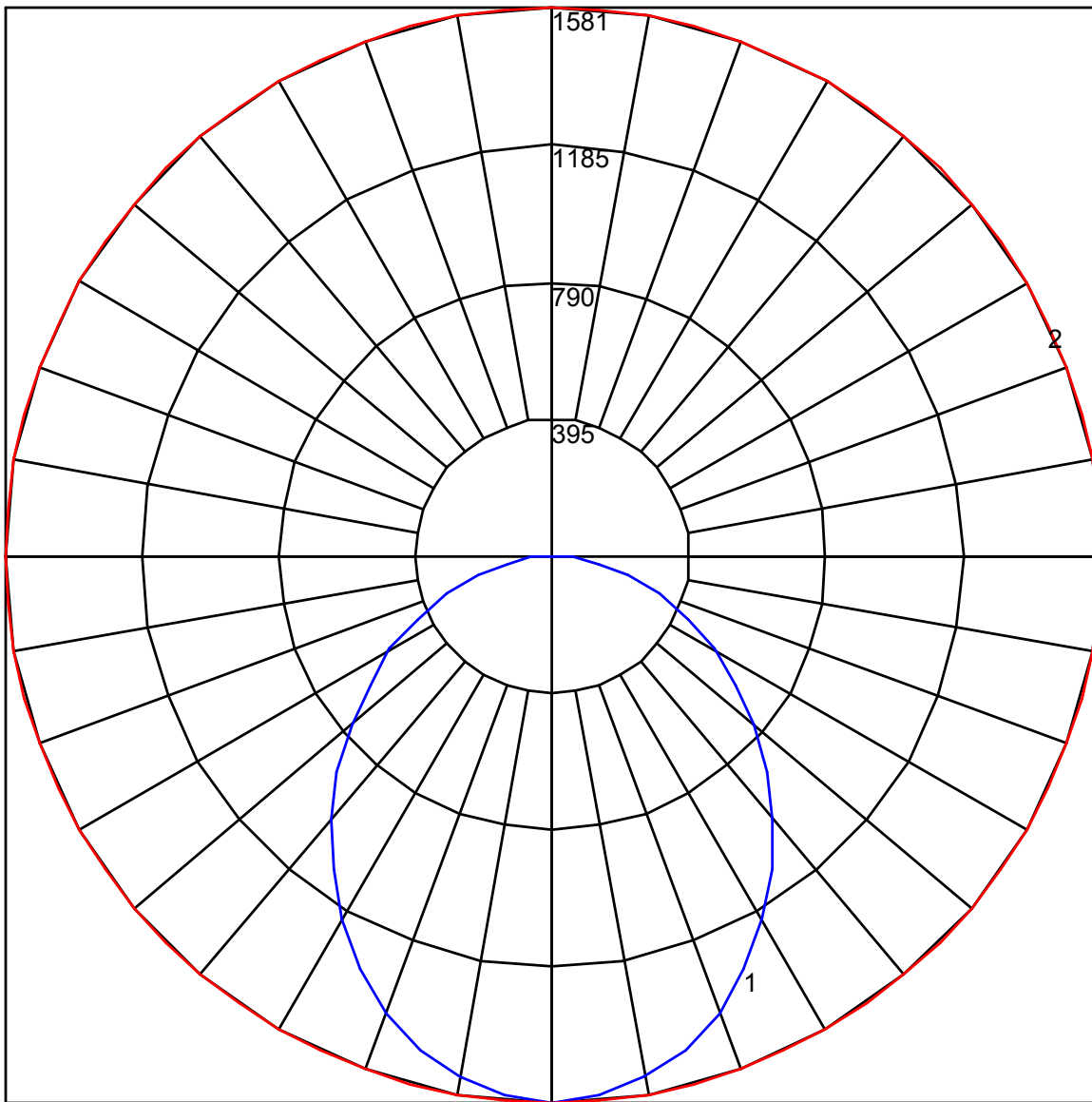
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	44	36	32	42	36	31	41	36	31	29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 1580.616 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.)