



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43-LED35SO-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-LED35SO-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, 39W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3023
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	39
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	9191	8451	7864
55	8312	7511	6928
65	7505	6805	6235
75	6368	5774	5350
85	5173	4992	4957

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909
5	1298.041	1298.002	1298.234	1298.118	1298.581	1299.720	1300.646	1301.148	1300.859	1300.222
10	1270.229	1269.959	1269.824	1269.264	1269.342	1269.863	1270.287	1271.696	1272.970	1272.700
15	1227.769	1227.962	1228.310	1228.348	1228.754	1229.410	1224.701	1219.528	1216.865	1214.317
20	1173.652	1173.189	1170.912	1165.180	1160.837	1158.907	1156.340	1153.021	1150.936	1150.840
25	1092.573	1092.168	1090.720	1088.462	1085.818	1082.788	1080.954	1080.839	1069.934	1061.732
30	1009.872	1009.274	1007.537	1004.681	1001.631	1001.747	1000.358	985.767	978.626	973.627
35	919.105	918.526	916.731	913.623	912.890	912.697	898.685	890.560	885.330	874.348
40	824.129	823.241	821.273	817.664	816.583	815.927	801.220	791.898	790.586	772.714
45	732.512	731.412	724.290	719.813	715.316	714.891	702.250	694.105	683.973	673.551
50	628.427	628.138	629.219	629.682	618.198	610.922	610.864	596.544	586.025	577.070
55	537.370	537.891	538.393	528.395	523.551	522.277	508.401	500.777	492.864	485.569
60	451.832	452.894	453.589	446.062	442.086	436.219	427.920	420.856	412.016	406.844
65	357.494	358.787	360.620	354.580	351.569	345.026	340.143	334.951	329.837	324.163
70	271.088	271.107	267.421	265.317	261.650	258.311	255.030	252.386	247.696	247.098
75	185.782	184.045	185.010	180.822	179.355	178.814	177.521	173.642	171.152	168.431
80	110.840	110.724	109.026	108.929	109.527	107.115	105.494	104.452	103.332	102.329
85	50.817	49.852	50.836	49.582	49.485	49.466	49.447	49.311	49.176	49.041
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	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909	1314.909
5	1299.430	1298.851	1298.137	1297.056	1296.767	1296.709	1298.137	1298.851	1298.774
10	1268.319	1263.918	1262.220	1260.560	1259.055	1257.279	1257.086	1260.213	1260.329
15	1211.229	1210.110	1211.056	1203.587	1200.113	1197.758	1196.407	1198.916	1198.453
20	1140.997	1135.014	1130.555	1129.976	1126.020	1119.998	1117.644	1118.879	1118.705
25	1055.671	1054.610	1043.281	1037.607	1036.082	1029.346	1025.988	1025.544	1025.409
30	964.788	954.192	950.042	941.550	935.452	935.741	927.133	926.188	926.033
35	863.598	860.741	847.270	842.059	836.751	829.244	825.924	824.496	824.284
40	763.662	754.784	747.354	740.174	734.018	728.749	725.333	723.962	723.460
45	664.576	656.760	649.233	642.169	636.089	631.187	628.254	627.115	626.767
50	569.041	561.688	554.721	548.043	542.581	538.702	535.363	534.147	534.031
55	478.698	471.827	465.439	459.726	455.345	451.832	449.072	447.644	447.895
60	400.571	395.322	389.416	384.688	381.291	377.971	375.810	374.362	374.594
65	318.006	312.969	308.742	304.901	302.161	299.478	298.204	297.046	297.008
70	240.092	235.614	231.947	229.554	227.315	225.733	224.613	223.745	223.533
75	165.652	163.394	161.464	159.997	158.704	157.777	156.890	156.369	156.079
80	101.364	100.514	99.646	98.951	98.449	97.986	97.504	97.214	97.040
85	48.906	48.810	48.713	48.675	48.655	48.636	48.655	48.675	48.694
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	464.58	N.A.	15.40
0-30	953.02	N.A.	31.50
0-40	1499.55	N.A.	49.60
0-60	2462.95	N.A.	81.50
0-80	2967.94	N.A.	98.20
0-90	3022.81	N.A.	100.00
10-90	2899.81	N.A.	95.90
20-40	1034.98	N.A.	34.20
20-50	1557.64	N.A.	51.50
40-70	1287.09	N.A.	42.60
60-80	504.99	N.A.	16.70
70-80	181.29	N.A.	6.00
80-90	54.87	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	3022.81	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.00
10-20	341.58
20-30	488.44
30-40	546.53
40-50	522.66
50-60	440.74
60-70	323.69
70-80	181.29
80-90	54.87
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

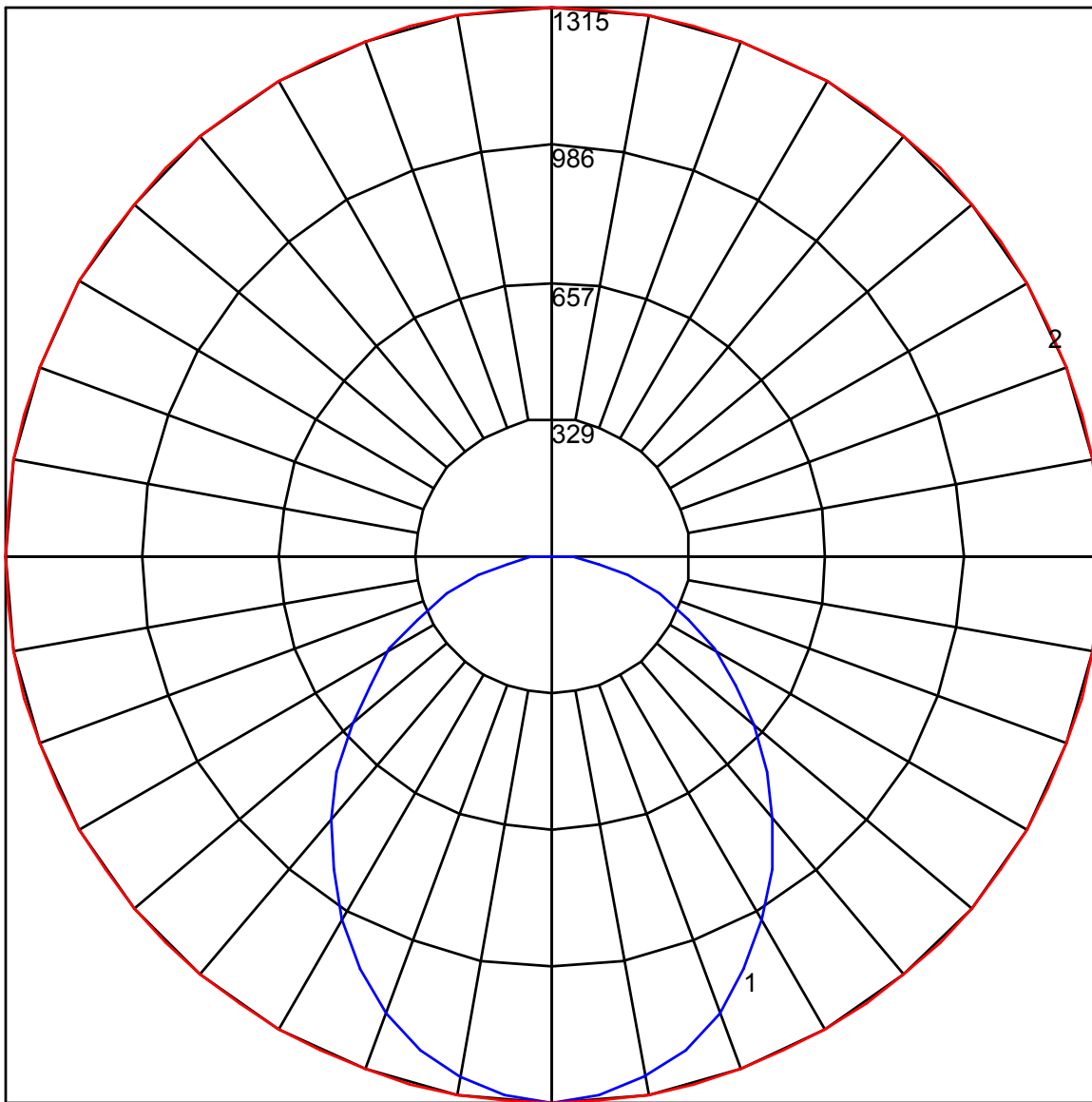
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	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	37	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 = 1314.909 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.)