



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SNAP-R1-LED4SO-04-SAL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041412301
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 5/5/2014
 [MANUFACT] PRUDENTIAL LIGHTING
 [LUMCAT] R1-LED4SO-04-SAL-YGW-UNV-SUR
 [LUMINAIRE] 48-1/4"L X 1-3/8"W X 3-1/4"H. LED LUMINAIRE.
 [MORE] DIFFUSED LENS.
 [BALLASTCAT] OSRAM OPTOTRONIC OTUNV/DIM/L
 [BALLAST] INPUT: 120-277VAC
 [LAMP CAT] 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	4298
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.11 ft
Luminous Height	0.18 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29183	12153	8307
55	31006	10105	5921
65	34435	8309	3833
75	42636	6794	2004
85	74970	5530	546

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SNAP-R1-LED4SO-04-SAL.IES

CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012
5	1095.835	1095.661	1095.507	1095.178	1095.178	1094.947	1094.619	1094.040	1093.808	1093.403
10	1089.678	1089.350	1088.867	1088.288	1087.246	1086.281	1085.065	1083.753	1082.228	1080.684
15	1077.847	1077.365	1076.554	1075.184	1073.312	1070.957	1068.371	1065.283	1062.291	1059.126
20	1060.188	1059.628	1058.161	1055.729	1052.661	1048.762	1044.400	1039.363	1033.534	1028.034
25	1036.371	1035.484	1033.457	1030.137	1025.428	1019.851	1013.134	1005.260	997.173	989.318
30	1006.398	1005.433	1002.519	997.984	992.059	984.609	975.538	965.328	954.153	942.901
35	971.253	970.037	966.467	960.715	952.783	942.901	931.553	918.429	904.340	889.826
40	929.604	928.079	923.775	916.982	907.332	895.578	881.971	866.261	849.084	831.676
45	882.299	880.601	875.815	868.210	857.267	843.584	828.028	809.809	789.872	769.626
50	830.460	828.510	823.338	814.981	802.764	787.845	770.359	749.863	727.899	704.894
55	774.412	772.618	766.866	757.795	744.999	728.884	710.240	688.141	664.152	639.776
60	714.795	712.672	706.843	697.695	684.725	667.722	648.924	625.918	600.809	574.001
65	652.900	651.124	645.199	636.051	622.927	606.001	585.987	562.981	537.312	510.002
70	588.901	587.125	581.528	572.785	560.067	543.372	524.014	501.182	475.668	448.358
75	527.334	525.635	520.463	512.106	500.121	484.565	466.095	443.591	418.308	391.172
80	464.474	462.853	458.414	450.790	439.615	425.353	408.098	387.042	362.975	336.978
85	404.856	403.486	399.433	392.639	382.661	369.711	354.078	334.546	312.197	287.724
90	350.256	349.137	345.316	339.487	330.667	319.087	304.824	287.493	266.591	244.145
95	301.505	300.520	297.374	292.105	284.250	273.886	261.245	245.612	226.814	206.240
100	259.045	258.157	255.320	250.630	243.662	234.437	223.166	209.231	192.382	173.835
105	222.606	221.950	219.190	214.983	208.749	200.566	190.433	177.734	162.988	146.699
110	191.495	190.684	188.329	184.604	178.853	171.480	162.487	151.235	137.956	123.694
115	164.918	164.108	162.101	158.607	153.416	146.776	138.690	128.634	116.804	104.085
120	141.913	141.199	139.327	136.007	131.472	125.392	118.019	108.948	98.507	87.332
125	121.513	121.030	119.235	116.244	112.036	106.439	99.646	91.694	82.546	72.896
130	103.043	102.560	100.842	98.179	94.531	89.262	83.357	76.389	68.611	60.274
135	86.020	85.538	84.167	81.813	78.339	73.880	68.862	62.937	55.237	47.632
140	70.484	70.078	68.862	66.739	63.671	60.100	55.816	49.408	43.348	37.751
145	56.549	56.221	55.159	53.384	51.029	47.710	43.020	38.889	34.991	31.189
150	44.872	44.795	43.985	42.846	41.070	37.500	34.354	31.343	29.008	26.576
155	36.458	36.130	35.647	34.586	31.845	29.490	27.464	25.920	23.662	22.118
160	29.008	28.757	28.274	26.325	24.627	23.256	22.349	21.307	20.168	18.875
165	22.349	22.272	21.153	19.686	18.470	18.219	18.219	17.988	17.254	16.521
170	16.849	16.521	15.479	15.228	15.633	15.633	15.710	15.556	15.228	15.073
175	13.935	12.970	13.201	13.606	13.857	13.935	13.935	13.935	13.857	13.780
180	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	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012	1097.012
5	1092.998	1092.592	1092.187	1092.033	1091.782	1091.454	1091.454	1091.299	1091.125
10	1079.140	1077.596	1076.303	1075.010	1073.717	1072.829	1072.173	1071.690	1071.690
15	1055.575	1052.082	1049.013	1046.021	1043.416	1041.235	1039.768	1038.726	1038.321
20	1022.109	1016.357	1011.011	1005.993	1001.631	997.887	995.069	993.448	992.946
25	980.633	972.064	964.112	956.431	949.772	944.272	939.987	937.304	936.243
30	930.897	919.240	908.065	897.855	888.707	880.929	875.004	871.202	869.658
35	874.522	859.699	845.436	832.004	820.424	810.446	802.668	797.727	795.951
40	813.051	795.063	777.404	761.192	746.620	734.384	724.754	718.597	716.242
45	747.508	726.780	705.878	687.003	669.749	655.563	643.906	636.282	633.619
50	680.190	656.953	633.696	611.752	591.661	574.561	561.032	552.134	548.564
55	612.640	586.643	560.626	535.922	513.727	493.810	478.080	467.793	463.663
60	545.090	517.047	488.946	461.888	436.701	414.583	396.673	384.610	379.920

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SNAP-R1-LED4SO-04-SAL.IES

CANDELA TABULATION - (Cont.)

65	480.030	449.979	419.929	390.362	363.303	338.348	318.508	304.650	298.899
70	417.575	387.197	355.448	324.510	295.020	267.884	244.396	228.358	221.796
75	361.199	330.088	298.494	265.703	234.341	204.213	177.811	159.167	150.829
80	307.816	277.360	245.361	212.647	180.146	147.761	119.235	97.697	87.969
85	260.029	230.693	200.237	167.756	135.525	102.386	73.070	49.408	38.388
90	218.302	190.761	162.178	131.394	101.093	69.827	42.441	19.532	3.088
95	182.752	157.642	131.472	103.602	76.389	49.176	26.094	9.148	0.000
100	152.856	130.256	106.999	82.469	58.981	36.284	18.393	5.674	0.000
105	127.998	108.061	87.815	66.585	46.571	27.695	12.873	0.000	0.000
110	107.173	89.919	72.259	53.943	37.191	21.635	11.580	0.000	0.000
115	89.841	74.691	59.540	44.062	29.896	18.142	10.769	0.000	0.000
120	74.768	61.972	48.925	35.879	25.032	16.366	10.615	0.000	0.000
125	62.204	50.952	40.105	29.645	21.307	14.900	10.538	0.000	0.000
130	50.219	40.819	32.077	24.878	18.547	13.935	10.364	0.000	0.000
135	39.700	33.138	27.290	21.230	16.926	13.452	0.000	0.000	0.000
140	32.405	27.946	22.755	19.203	15.787	12.873	0.000	0.000	0.000
145	27.792	23.662	20.574	17.505	14.668	12.391	0.000	0.000	0.000
150	23.411	21.056	18.547	16.115	13.857	12.236	0.000	0.000	0.000
155	20.651	18.624	16.598	14.822	13.529	12.313	0.000	0.000	0.000
160	17.737	16.366	15.228	14.263	13.452	0.000	0.000	0.000	0.000
165	15.884	15.305	14.668	14.089	13.278	0.000	0.000	0.000	0.000
170	14.822	14.494	14.089	13.606	13.124	0.000	0.000	0.000	0.000
175	13.606	13.375	13.201	13.124	12.796	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SNAP-R1-LED4SO-04-SAL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	402.74	N.A.	9.40
0-30	858.11	N.A.	20.00
0-40	1413.24	N.A.	32.90
0-60	2567.6	N.A.	59.70
0-80	3448.31	N.A.	80.20
0-90	3733.85	N.A.	86.90
10-90	3629.9	N.A.	84.50
20-40	1010.51	N.A.	23.50
20-50	1600.61	N.A.	37.20
40-70	1644.88	N.A.	38.30
60-80	880.71	N.A.	20.50
70-80	390.19	N.A.	9.10
80-90	285.54	N.A.	6.60
90-110	338.60	N.A.	7.90
90-120	432.15	N.A.	10.10
90-130	493.01	N.A.	11.50
90-150	549.14	N.A.	12.80
90-180	564.13	N.A.	13.10
110-180	225.54	N.A.	5.20
0-180	4297.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.96
10-20	298.78
20-30	455.38
30-40	555.13
40-50	590.10
50-60	564.25
60-70	490.53
70-80	390.19
80-90	285.54
90-100	200.27
100-110	138.33
110-120	93.55
120-130	60.86
130-140	36.35
140-150	19.79
150-160	9.91
160-170	4.12
170-180	0.95

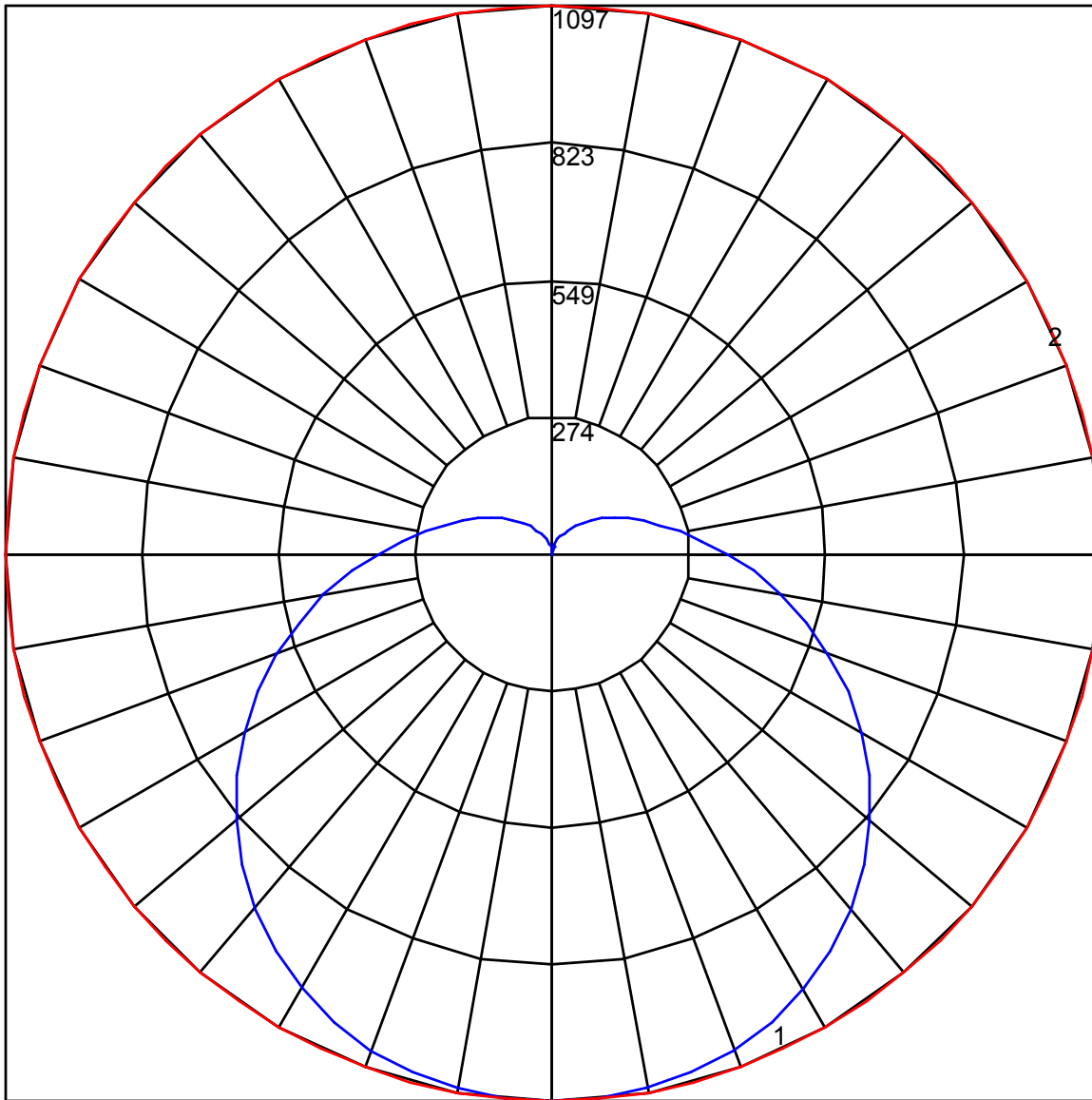
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SNAP-R1-LED4SO-04-SAL.IES

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87
1	103	97	92	88	99	94	89	85	87	83	80	81	78	75	75	73	71	67
2	93	84	76	70	89	81	74	68	75	69	64	70	65	61	65	61	57	54
3	84	73	64	57	81	70	62	56	65	59	53	61	55	50	57	52	48	45
4	77	64	55	48	74	62	53	47	58	50	45	54	48	43	50	45	41	38
5	71	57	48	41	67	55	46	40	51	44	38	48	42	37	45	39	35	32
6	65	51	42	35	62	50	41	35	46	39	33	43	37	32	41	35	31	28
7	60	46	37	31	58	45	36	30	42	35	29	39	33	28	37	31	27	25
8	56	42	33	27	54	41	33	27	38	31	26	36	30	25	34	28	24	22
9	52	39	30	25	50	37	30	24	35	28	23	33	27	23	31	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	29	24	20	18

POLAR GRAPH



Maximum Candela = 1097.012 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.)