



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO-PSTD-REG3-LED4-MO-04-SAL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041412304R01
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] BIO-REG3-LED4-MO-04-SAL-D1
 [LUMINAIRE] 48-1/8"L X 5-1/2"W X 5-5/8"H. LED LUMINAIRE.
 [MORE] DIFFUSED LENS.
 [BALLASTCAT] OSRAM OPTOTRONIC
 [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
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2153
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6481	5752	5195
55	5758	4991	4449
65	5140	4396	3896
75	4194	3550	3163
85	3018	2629	2497

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	984.794	984.794	984.794	984.794	984.794	984.794	984.794	984.794	984.794	984.794
5	975.450	975.744	975.565	975.398	975.667	976.486	977.178	977.370	977.318	976.794
10	955.226	954.931	954.816	954.355	954.061	954.278	953.805	953.037	951.834	950.080
15	921.933	922.074	921.280	920.282	919.206	917.978	915.955	913.229	910.554	907.430
20	877.530	877.158	876.019	874.112	871.616	868.646	865.101	860.710	856.179	851.072
25	822.387	821.901	820.301	817.306	813.491	809.139	803.699	797.606	791.014	783.898
30	758.362	757.850	755.955	752.243	747.251	741.299	734.464	726.950	718.669	710.221
35	688.691	688.128	685.594	681.075	675.200	668.493	660.480	651.968	642.573	632.806
40	614.643	613.990	610.970	606.080	599.706	592.384	583.974	574.630	564.736	554.816
45	538.624	537.702	534.758	529.677	523.379	515.840	507.290	497.523	487.923	478.042
50	462.464	461.811	458.714	453.824	447.706	440.448	432.038	423.002	413.722	404.966
55	388.134	387.430	384.474	379.930	374.502	367.821	360.294	352.000	344.166	336.435
60	322.944	322.586	319.974	316.006	311.078	305.216	298.419	291.443	284.762	278.234
65	255.296	254.925	252.685	249.344	245.248	240.269	234.739	229.235	223.757	218.355
70	189.376	188.992	187.085	184.422	181.094	177.293	173.184	168.998	164.864	160.806
75	127.590	127.206	125.811	123.904	121.613	119.014	116.186	113.344	110.630	107.981
80	72.986	72.653	71.821	70.784	69.555	68.173	66.637	65.178	63.731	62.400
85	30.912	30.694	30.362	29.965	29.453	28.902	28.326	27.789	27.226	26.931
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**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	984.794	984.794	984.794	984.794	984.794	984.794	984.794	984.794	984.794
5	976.115	975.437	974.874	973.875	973.222	972.378	972.250	972.595	972.762
10	948.186	946.394	944.678	942.925	941.376	940.122	939.149	939.251	939.290
15	903.782	900.314	897.062	894.067	891.738	889.485	887.846	887.475	887.386
20	845.555	840.269	835.405	831.091	827.622	824.448	821.811	821.299	820.992
25	776.691	770.266	763.763	758.387	753.728	749.530	746.701	745.382	745.344
30	701.555	693.594	686.669	680.397	674.982	670.208	667.046	665.766	665.472
35	623.642	614.989	607.488	600.691	594.714	589.683	586.496	584.909	584.602
40	545.178	536.653	529.024	522.035	515.981	511.117	508.096	506.598	506.061
45	469.069	460.941	453.696	446.989	441.357	436.582	433.830	432.320	431.706
50	396.698	389.389	382.464	376.358	371.200	367.322	364.429	362.970	362.662
55	329.408	322.688	316.659	311.245	306.931	303.846	301.120	299.725	299.942
60	270.605	266.202	261.018	256.563	252.851	250.150	248.256	246.848	246.950
65	213.312	208.678	204.595	200.960	198.374	195.853	194.662	193.523	193.510
70	157.043	153.664	150.528	148.160	145.997	144.538	143.386	142.643	142.515
75	105.498	103.398	101.414	99.840	98.611	97.715	96.832	96.397	96.205
80	61.120	60.122	59.149	58.419	57.856	57.344	56.896	56.666	56.525
85	26.598	26.342	26.125	25.958	25.818	25.702	25.613	25.562	25.574
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	346.92	N.A.	16.10
0-30	707.40	N.A.	32.90
0-40	1104.49	N.A.	51.30
0-60	1783.44	N.A.	82.80
0-80	2120.78	N.A.	98.50
0-90	2153.06	N.A.	100.00
10-90	2060.82	N.A.	95.70
20-40	757.57	N.A.	35.20
20-50	1129.99	N.A.	52.50
40-70	898.51	N.A.	41.70
60-80	337.34	N.A.	15.70
70-80	117.77	N.A.	5.50
80-90	32.28	N.A.	1.50
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	2153.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.24
10-20	254.68
20-30	360.48
30-40	397.09
40-50	372.41
50-60	306.53
60-70	219.57
70-80	117.77
80-90	32.28
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

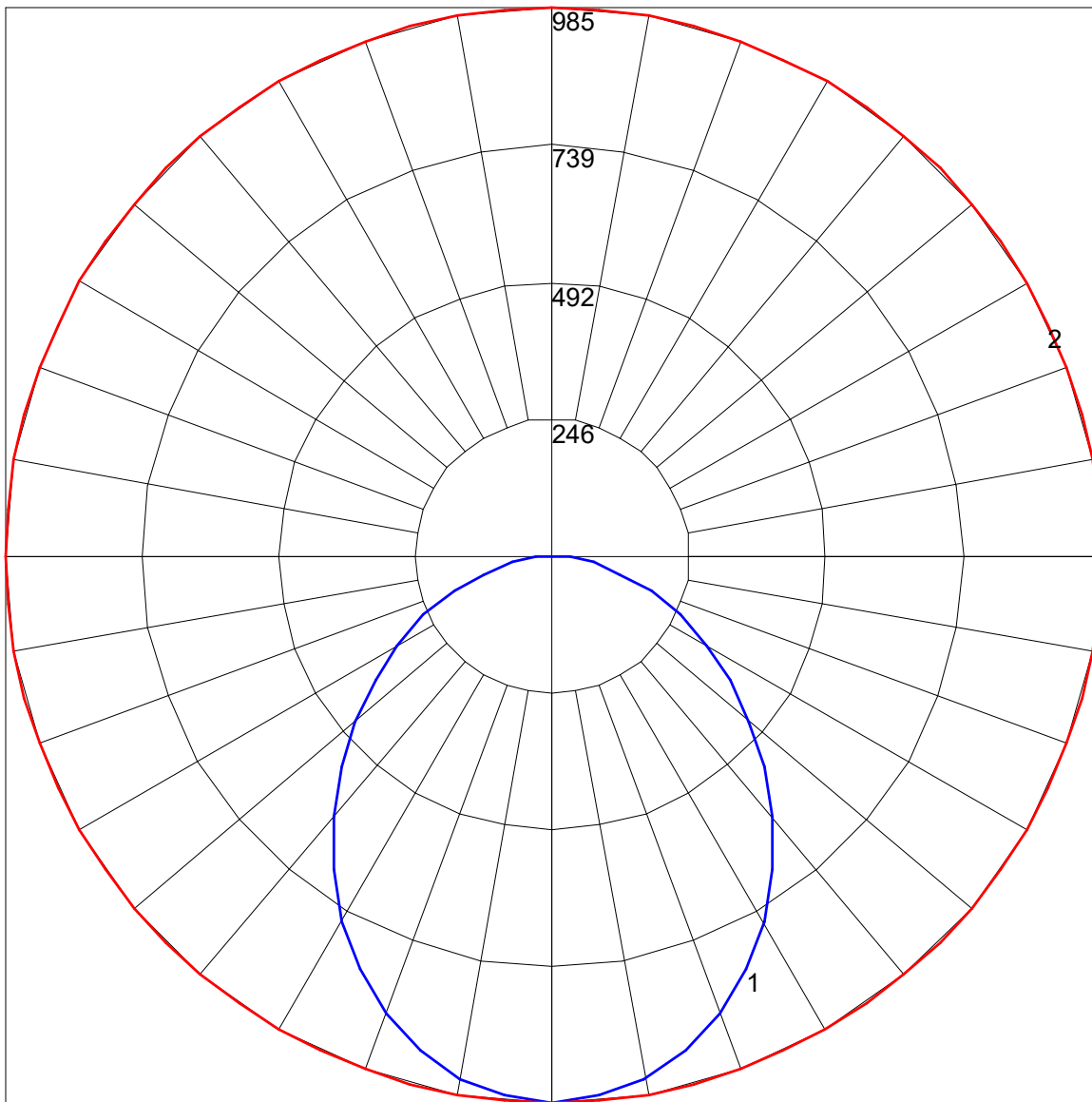
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	58	45	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

POLAR GRAPH



Maximum Candela = 984.794 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.)