



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BPRO5-FLSH-LED35-VHO13-4-BTW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] BPRO5-FLSH-LED35-VHO13-4-BTW
 [TESTLAB] INTERTEK
 [ISSUE DATE] 7-15-19
 [MANUFAC] PRUDENTIAL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6183
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.94
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.78
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.38 ft
Luminous Width (90-270)	3.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20292	18318	8497
55	16934	17247	8546
65	13044	14504	8948
75	10119	11624	9550
85	6048	7398	9957

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1490.475	1490.475	1490.475	1490.475	1490.475	1490.475	1490.475	1490.475	1490.475	1490.475
2.5	1531.173	1530.102	1509.753	1499.638	1486.786	1482.621	1478.813	1489.166	1491.784	1489.166
5.0	1607.214	1596.504	1548.190	1507.492	1476.195	1473.696	1487.381	1517.726	1532.244	1517.726
7.5	1712.172	1688.015	1599.479	1514.394	1458.107	1464.890	1511.419	1576.393	1608.999	1576.393
10.0	1836.527	1795.591	1659.574	1519.154	1433.236	1455.013	1548.785	1660.407	1713.362	1660.407
12.5	1966.475	1909.712	1724.548	1521.296	1402.415	1444.898	1596.980	1763.223	1835.456	1763.223
15.0	2091.306	2019.787	1789.403	1520.820	1365.525	1434.426	1652.791	1872.941	1963.857	1872.941
17.5	2197.335	2116.772	1849.736	1517.012	1323.994	1423.002	1710.982	1980.874	2084.523	1980.874
20.0	2280.278	2195.788	1902.810	1508.682	1279.845	1409.912	1767.626	2079.406	2188.172	2079.406
22.5	2338.469	2255.050	1946.007	1496.425	1233.792	1394.680	1818.796	2160.683	2270.401	2160.683
25.0	2372.741	2293.130	1978.018	1479.289	1185.121	1376.949	1862.350	2221.611	2329.187	2221.611
27.5	2385.950	2312.170	1997.891	1457.155	1135.855	1355.648	1894.004	2262.190	2365.601	2262.190
30.0	2382.737	2313.836	2005.031	1429.904	1087.541	1331.253	1914.115	2283.372	2381.190	2283.372
32.5	2363.340	2299.794	1999.200	1396.703	1039.346	1302.812	1922.445	2288.370	2378.334	2288.370
35.0	2327.640	2268.854	1980.398	1357.909	992.103	1270.920	1919.232	2277.065	2356.795	2277.065
37.5	2271.710	2219.588	1947.911	1314.236	946.288	1235.339	1904.476	2249.219	2315.621	2249.219
40.0	2190.909	2150.449	1902.215	1264.970	903.210	1195.593	1876.630	2203.404	2255.407	2203.404
42.5	2085.594	2061.556	1843.072	1211.301	861.441	1152.158	1834.861	2138.311	2174.487	2138.311
45.0	1959.692	1953.385	1769.054	1153.229	820.624	1104.558	1779.050	2053.107	2070.719	2053.107
47.5	1817.963	1827.840	1681.708	1092.063	781.473	1052.912	1708.840	1947.554	1944.817	1947.554
50.0	1660.526	1686.944	1583.176	1028.041	743.512	997.577	1626.373	1823.080	1801.303	1823.080
52.5	1493.093	1534.743	1472.506	961.639	706.384	939.505	1530.340	1682.660	1642.200	1682.660
55.0	1326.612	1377.306	1351.126	893.571	669.494	880.243	1421.693	1529.507	1473.220	1529.507
57.5	1167.628	1220.583	1223.915	825.860	632.366	819.791	1302.693	1369.809	1305.311	1369.809
60.0	1018.521	1068.739	1094.443	756.959	594.762	757.554	1177.862	1209.992	1143.352	1209.992
62.5	879.648	925.582	964.495	689.010	556.325	694.841	1049.461	1056.125	989.247	1056.125
65.0	752.913	793.254	837.165	622.251	516.460	632.604	921.060	911.183	849.422	911.183
67.5	639.982	673.421	717.570	556.444	474.810	571.081	796.586	777.546	724.591	777.546
70.0	538.118	565.012	607.376	491.589	431.375	508.725	680.561	657.237	612.136	657.237
72.5	444.227	466.480	505.631	427.686	385.798	446.012	572.152	548.590	509.677	548.590
75.0	357.714	375.088	410.907	364.616	337.603	384.251	471.478	448.987	417.095	448.987
77.5	276.318	288.932	322.252	301.189	286.909	322.490	379.134	356.881	332.010	356.881
80.0	199.920	208.607	238.833	237.524	233.716	259.063	292.621	271.439	251.447	271.439
82.5	131.614	136.136	160.174	173.026	177.429	195.398	209.559	192.423	177.667	192.423
85.0	71.995	73.185	88.060	106.743	118.524	131.138	131.257	122.213	112.693	122.213
87.5	21.896	21.301	28.322	42.126	58.310	63.784	63.546	61.404	55.930	61.404
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	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>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1490.475	1490.475	1490.475	1490.475	1490.475	1490.475	1490.475
2.5	1478.813	1482.621	1486.786	1499.638	1509.753	1530.102	1531.173
5.0	1487.381	1473.696	1476.195	1507.492	1548.190	1596.504	1607.214
7.5	1511.419	1464.890	1458.107	1514.394	1599.479	1688.015	1712.172
10.0	1548.785	1455.013	1433.236	1519.154	1659.574	1795.591	1836.527
12.5	1596.980	1444.898	1402.415	1521.296	1724.548	1909.712	1966.475
15.0	1652.791	1434.426	1365.525	1520.820	1789.403	2019.787	2091.306
17.5	1710.982	1423.002	1323.994	1517.012	1849.736	2116.772	2197.335
20.0	1767.626	1409.912	1279.845	1508.682	1902.810	2195.788	2280.278
22.5	1818.796	1394.680	1233.792	1496.425	1946.007	2255.050	2338.469
25.0	1862.350	1376.949	1185.121	1479.289	1978.018	2293.130	2372.741
27.5	1894.004	1355.648	1135.855	1457.155	1997.891	2312.170	2385.950
30.0	1914.115	1331.253	1087.541	1429.904	2005.031	2313.836	2382.737
32.5	1922.445	1302.812	1039.346	1396.703	1999.200	2299.794	2363.340
35.0	1919.232	1270.920	992.103	1357.909	1980.398	2268.854	2327.640
37.5	1904.476	1235.339	946.288	1314.236	1947.911	2219.588	2271.710
40.0	1876.630	1195.593	903.210	1264.970	1902.215	2150.449	2190.909
42.5	1834.861	1152.158	861.441	1211.301	1843.072	2061.556	2085.594
45.0	1779.050	1104.558	820.624	1153.229	1769.054	1953.385	1959.692
47.5	1708.840	1052.912	781.473	1092.063	1681.708	1827.840	1817.963
50.0	1626.373	997.577	743.512	1028.041	1583.176	1686.944	1660.526
52.5	1530.340	939.505	706.384	961.639	1472.506	1534.743	1493.093
55.0	1421.693	880.243	669.494	893.571	1351.126	1377.306	1326.612
57.5	1302.693	819.791	632.366	825.860	1223.915	1220.583	1167.628
60.0	1177.862	757.554	594.762	756.959	1094.443	1068.739	1018.521
62.5	1049.461	694.841	556.325	689.010	964.495	925.582	879.648
65.0	921.060	632.604	516.460	622.251	837.165	793.254	752.913
67.5	796.586	571.081	474.810	556.444	717.570	673.421	639.982
70.0	680.561	508.725	431.375	491.589	607.376	565.012	538.118
72.5	572.152	446.012	385.798	427.686	505.631	466.480	444.227
75.0	471.478	384.251	337.603	364.616	410.907	375.088	357.714
77.5	379.134	322.490	286.909	301.189	322.252	288.932	276.318
80.0	292.621	259.063	233.716	237.524	238.833	208.607	199.920

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82.5	209.559	195.398	177.429	173.026	160.174	136.136	131.614
85.0	131.257	131.138	118.524	106.743	88.060	73.185	71.995
87.5	63.546	63.784	58.310	42.126	28.322	21.301	21.896
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	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	634.67	N.A.	10.30
0-30	1484.51	N.A.	24.00
0-40	2609.24	N.A.	42.20
0-60	4886.33	N.A.	79.00
0-80	6059.45	N.A.	98.00
0-90	6182.67	N.A.	100.00
10-90	6034.69	N.A.	97.60
20-40	1974.57	N.A.	31.90
20-50	3189.18	N.A.	51.60
40-70	3027.82	N.A.	49.00
60-80	1173.12	N.A.	19.00
70-80	422.39	N.A.	6.80
80-90	123.22	N.A.	2.00
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	6182.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.99
10-20	486.68
20-30	849.84
30-40	1124.72
40-50	1214.61
50-60	1062.48
60-70	750.73
70-80	422.39
80-90	123.22
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

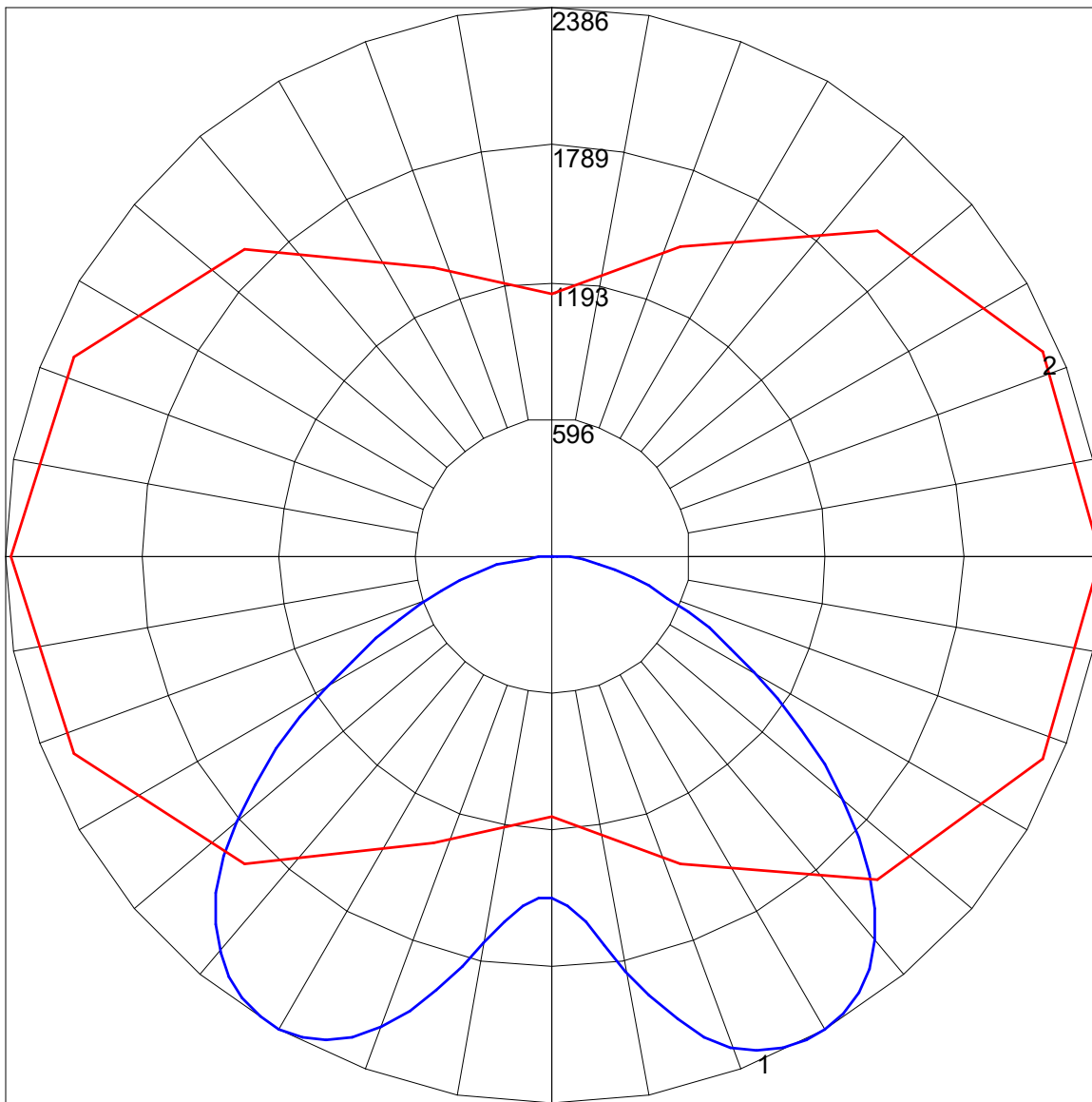
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22

POLAR GRAPH



Maximum Candela = 2385.95 Located At Horizontal Angle = 0, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)