



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BPRO5-FLSH-LED35-HO-4-SAL.IES

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
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	13508	13698	14270
55	12769	13005	13697
65	11811	12112	12976
75	9954	10806	12028
85	4609	5908	9817

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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	2129.029	2129.029	2129.029	2129.029	2129.029	2129.029	2129.029	2129.029	2129.029	2129.029
2.5	2125.459	2125.340	2118.438	2126.292	2125.340	2128.672	2123.317	2131.528	2132.242	2131.528
5.0	2110.584	2112.369	2107.133	2117.367	2118.081	2121.889	2116.296	2124.507	2126.887	2124.507
7.5	2090.592	2094.281	2091.187	2103.563	2105.229	2109.394	2103.444	2111.417	2115.463	2111.417
10.0	2067.030	2071.076	2070.005	2084.047	2087.260	2090.949	2085.237	2092.377	2097.256	2092.377
12.5	2039.898	2043.587	2043.587	2058.700	2063.341	2067.268	2061.794	2069.410	2072.980	2069.410
15.0	2007.530	2010.624	2011.576	2028.474	2034.067	2038.946	2034.305	2040.969	2044.301	2040.969
17.5	1969.450	1972.544	1973.615	1993.131	2000.271	2006.459	2001.937	2008.006	2010.624	2008.006
20.0	1926.253	1928.871	1931.370	1952.790	1962.072	1969.212	1964.809	1970.402	1973.139	1970.402
22.5	1876.987	1880.914	1885.317	1908.641	1919.708	1927.086	1923.040	1928.395	1930.418	1928.395
25.0	1822.009	1828.078	1834.980	1860.684	1873.298	1881.152	1876.749	1879.962	1882.699	1879.962
27.5	1766.555	1771.434	1781.549	1808.919	1822.842	1830.696	1825.460	1827.602	1830.696	1827.602
30.0	1705.151	1711.934	1724.310	1753.227	1768.697	1775.956	1770.006	1771.553	1775.361	1771.553
32.5	1642.200	1651.363	1664.215	1694.798	1710.744	1717.646	1711.815	1713.005	1716.456	1713.005
35.0	1581.986	1588.412	1601.621	1632.442	1649.340	1656.837	1652.077	1652.910	1653.862	1652.910
37.5	1518.678	1521.891	1536.766	1567.349	1585.556	1593.291	1589.840	1590.673	1590.197	1590.673
40.0	1447.873	1452.514	1468.222	1499.043	1519.392	1527.008	1524.747	1525.580	1524.152	1525.580
42.5	1374.926	1381.114	1396.346	1427.881	1450.134	1457.869	1456.560	1457.988	1455.965	1457.988
45.0	1304.597	1307.453	1322.923	1354.815	1378.139	1386.350	1385.398	1386.945	1384.565	1386.945
47.5	1230.936	1232.126	1249.024	1280.202	1304.597	1312.332	1312.213	1313.284	1311.142	1313.284
50.0	1152.753	1156.680	1173.697	1203.328	1229.270	1236.053	1237.481	1239.266	1237.838	1239.266
52.5	1075.998	1079.925	1096.704	1125.621	1151.682	1158.346	1161.440	1164.415	1163.344	1164.415
55.0	1000.314	1001.623	1018.759	1046.605	1073.023	1080.044	1084.209	1087.065	1087.184	1087.065
57.5	921.417	923.321	939.981	966.399	993.055	1000.314	1005.669	1008.882	1009.358	1008.882
60.0	839.545	843.472	860.370	884.884	912.135	919.513	926.891	930.342	930.818	930.342
62.5	760.410	763.623	779.926	802.774	830.382	838.355	847.280	851.445	850.374	851.445
65.0	681.751	683.655	699.125	721.973	748.986	758.387	768.026	771.834	771.239	771.834
67.5	601.783	604.639	619.157	640.934	667.828	677.824	688.653	692.104	691.271	692.104
70.0	520.387	524.790	540.260	560.252	586.908	596.785	609.280	612.731	610.708	612.731
72.5	437.325	442.561	461.125	480.403	505.988	517.055	530.264	532.882	529.074	532.882
75.0	351.883	358.309	381.990	401.744	425.187	438.277	450.058	450.058	445.179	450.058
77.5	265.370	273.700	301.189	323.918	345.576	359.618	369.495	364.973	357.714	364.973
80.0	184.688	191.947	217.889	247.758	267.988	281.911	287.504	279.650	271.439	279.650
82.5	114.478	118.524	138.635	173.264	191.471	205.513	204.085	197.183	190.519	197.183
85.0	54.859	56.763	70.329	97.104	116.858	129.234	124.950	121.975	117.453	121.975
87.5	10.591	11.186	18.207	32.011	48.790	57.120	57.953	58.667	55.692	58.667
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	2129.029	2129.029	2129.029	2129.029	2129.029	2129.029	2129.029
2.5	2123.317	2128.672	2125.340	2126.292	2118.438	2125.340	2125.459
5.0	2116.296	2121.889	2118.081	2117.367	2107.133	2112.369	2110.584
7.5	2103.444	2109.394	2105.229	2103.563	2091.187	2094.281	2090.592
10.0	2085.237	2090.949	2087.260	2084.047	2070.005	2071.076	2067.030
12.5	2061.794	2067.268	2063.341	2058.700	2043.587	2043.587	2039.898
15.0	2034.305	2038.946	2034.067	2028.474	2011.576	2010.624	2007.530
17.5	2001.937	2006.459	2000.271	1993.131	1973.615	1972.544	1969.450
20.0	1964.809	1969.212	1962.072	1952.790	1931.370	1928.871	1926.253
22.5	1923.040	1927.086	1919.708	1908.641	1885.317	1880.914	1876.987
25.0	1876.749	1881.152	1873.298	1860.684	1834.980	1828.078	1822.009
27.5	1825.460	1830.696	1822.842	1808.919	1781.549	1771.434	1766.555
30.0	1770.006	1775.956	1768.697	1753.227	1724.310	1711.934	1705.151
32.5	1711.815	1717.646	1710.744	1694.798	1664.215	1651.363	1642.200
35.0	1652.077	1656.837	1649.340	1632.442	1601.621	1588.412	1581.986
37.5	1589.840	1593.291	1585.556	1567.349	1536.766	1521.891	1518.678
40.0	1524.747	1527.008	1519.392	1499.043	1468.222	1452.514	1447.873
42.5	1456.560	1457.869	1450.134	1427.881	1396.346	1381.114	1374.926
45.0	1385.398	1386.350	1378.139	1354.815	1322.923	1307.453	1304.597
47.5	1312.213	1312.332	1304.597	1280.202	1249.024	1232.126	1230.936
50.0	1237.481	1236.053	1229.270	1203.328	1173.697	1156.680	1152.753
52.5	1161.440	1158.346	1151.682	1125.621	1096.704	1079.925	1075.998
55.0	1084.209	1080.044	1073.023	1046.605	1018.759	1001.623	1000.314
57.5	1005.669	1000.314	993.055	966.399	939.981	923.321	921.417
60.0	926.891	919.513	912.135	884.884	860.370	843.472	839.545
62.5	847.280	838.355	830.382	802.774	779.926	763.623	760.410
65.0	768.026	758.387	748.986	721.973	699.125	683.655	681.751
67.5	688.653	677.824	667.828	640.934	619.157	604.639	601.783
70.0	609.280	596.785	586.908	560.252	540.260	524.790	520.387
72.5	530.264	517.055	505.988	480.403	461.125	442.561	437.325
75.0	450.058	438.277	425.187	401.744	381.990	358.309	351.883
77.5	369.495	359.618	345.576	323.918	301.189	273.700	265.370
80.0	287.504	281.911	267.988	247.758	217.889	191.947	184.688

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82.5	204.085	205.513	191.471	173.264	138.635	118.524	114.478
85.0	124.950	129.234	116.858	97.104	70.329	56.763	54.859
87.5	57.953	57.120	48.790	32.011	18.207	11.186	10.591
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	772.99	N.A.	13.10
0-30	1630.22	N.A.	27.50
0-40	2650.79	N.A.	44.80
0-60	4641.07	N.A.	78.40
0-80	5803.83	N.A.	98.00
0-90	5922.93	N.A.	100.00
10-90	5721.93	N.A.	96.60
20-40	1877.8	N.A.	31.70
20-50	2925.58	N.A.	49.40
40-70	2717.67	N.A.	45.90
60-80	1162.77	N.A.	19.60
70-80	435.37	N.A.	7.40
80-90	119.10	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	5922.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	201.00
10-20	571.99
20-30	857.24
30-40	1020.57
40-50	1047.78
50-60	942.49
60-70	727.39
70-80	435.37
80-90	119.10
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

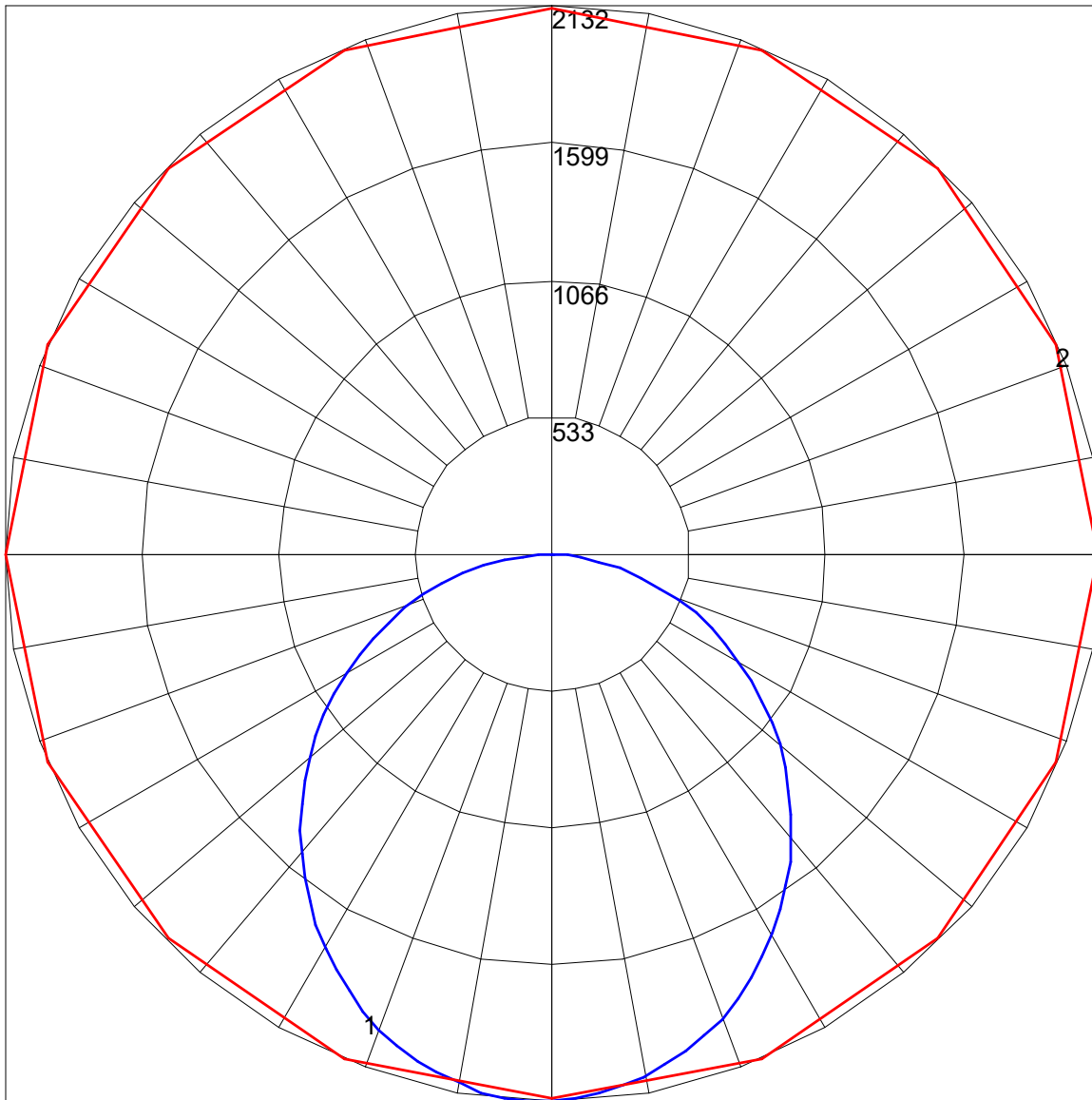
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 2132.242 Located At Horizontal Angle = 180, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)