



## IES ROAD REPORT

PHOTOMETRIC FILENAME : BA-CON-T-HYD-HOR 70HPS.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST] Photopia 3.0.0.123 PHOTOMETRIC REPORT

[DATE] Wed Oct 03 15:11:19 2007

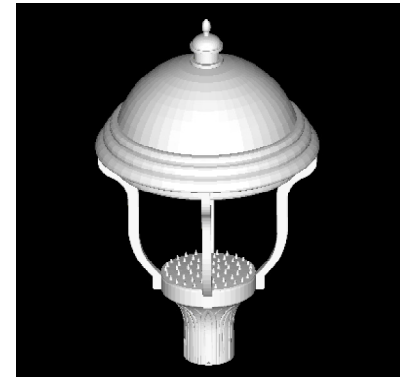
[LUMINAIRE] PROJECT: BA-CON-T-HYD-HOR

[LAMP] HPS 70W coated B70

[LAMPCAT] SON Pro 70W E E27 CO CRP

### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Short
Cutoff Classification	Cutoff
Total Rated Lamp Lumens	5600
Maximum Candela	1449.68
Maximum Candela Angle	75H 55V
Maximum Candela At 90 Degrees Vertical	2.49 (0.04% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	192.34 (3.43% Lamp Lms)
Downward Total Efficiency	64.2%



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**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<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	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18
2.5	107.16	95.72	85.61	98.77	89.05	114.79	119.31	89.05	104.42	99.21
5	130.53	123.61	129.83	108.02	116.72	115.49	136.99	126.04	146.27	134.86
7.5	153.82	167.54	161.89	167.29	166.39	160.53	163.13	151.73	177.33	166.62
10	193.63	205.45	204.17	199.94	204.31	206.53	203.9	190.9	198.6	212.11
12.5	246.37	242.11	258.27	268.24	272.69	264.91	255.51	265.86	239.79	248.29
15	350.38	347.46	370.18	373.02	367.43	358.38	354.11	326.21	324.22	341.12
17.5	491.56	492.51	483.42	516.02	504.18	484.67	464.3	457.33	433.62	475.21
20	649.86	653.07	624.05	646.97	636.69	623.86	559.92	555.1	587.9	620.11
22.5	792.27	796.9	783.97	784.87	795.18	757.45	709.22	655.68	718.91	802.04
25	950.68	920	935.22	954.15	957.09	904.69	770.8	795.84	822.04	908.09
27.5	1015.99	1007.19	993.27	1003.59	993.38	973.18	867.61	806.02	862.5	961.09
30	1007.76	984.82	1011.01	1009.17	1019.26	997.05	862.71	808.33	850.47	967.99
32.5	964.8	987.32	1005.73	985.78	1002.13	1019.37	885.98	809.46	827.11	943.46
35	984.59	988.83	987.92	995.89	1017.82	1016.33	895.58	788.62	832.78	944.13
37.5	956.5	960.49	948.19	966.86	973.4	981.2	882.15	753.24	788.79	878.26
40	873.6	906.72	928.64	941.2	938.45	943.45	860.37	724.78	730.72	843.48
42.5	870.76	863.7	895.01	926.89	899.69	885.19	813.01	672.8	724.58	799.13
45	795.63	833.91	859.28	854	833.93	840.67	752.65	673.76	704.13	801.03
47.5	775.58	780.6	802.75	815.81	810.06	805.66	756.29	680.66	727.83	817.69
50	714.2	724.42	752.93	757.34	770.81	796.56	736.92	699.58	781.64	872.1
52.5	655.73	644.3	675.68	722.96	732.93	757.7	767.92	750.4	841.9	952.4
55	582.94	605.1	642.5	687.04	722.82	763.31	796.26	787.58	886.74	992.11
57.5	550.38	562.03	609.51	667.14	708.73	771.53	819.61	828.06	930.88	1015.83
60	522.61	521.92	576.1	646.61	703.29	767.53	832.06	846.92	928.03	1025.32
62.5	469.62	481.57	535.46	589.47	642.04	715.07	764.56	773.38	853.18	957.65
65	385.3	403.41	437.28	487.44	540.4	610.87	664.61	676.05	769.42	881.23
67.5	306.8	320.77	365.49	407.25	454.06	506.21	550.9	554.26	641.44	738.32
70	248.52	258.77	282.33	321.97	360.53	405.76	440.15	440.77	505.46	618.61
72.5	183.87	189.53	209.63	234.03	253.15	291.68	333.52	315.94	374.91	465.44
75	123.74	132.19	143.51	149.26	166.79	183.57	214.41	208.15	242.94	310.19
77.5	85.31	77.79	81.51	82.32	98.62	101.83	122.56	106.93	131.83	197.24
80	41.92	43.74	44.56	46.75	54.44	56.3	57.15	55.97	57.94	88.36
82.5	17.41	17.09	18.79	17.43	19.15	23.72	24.34	21.98	22.39	30.26
85	3.8	3.49	4.16	4.09	4.72	5.07	5.82	6.43	6.62	8.06
87.5	1.76	1.97	2.08	2.14	2.53	2.57	2.74	3.2	3.78	2.2
90	0.68	0.76	0.83	0.79	0.75	1.08	1.59	2.02	2.49	0.96
92.5	0.3	0.37	0.38	0.55	0.63	0.8	1.23	1.77	2.24	0.88
95	0.32	0.36	0.38	0.43	0.52	0.91	1.24	1.8	2.38	0.86
97.5	0.26	0.28	0.21	0.41	0.45	0.53	1.08	1.44	1.75	0.73
100	0.2	0.22	0.19	0.32	0.35	0.42	0.62	0.91	1.31	0.45
102.5	0.19	0.23	0.27	0.24	0.27	0.46	0.57	0.96	1.27	0.49
105	0.35	0.25	0.16	0.28	0.37	0.33	0.61	0.91	1.11	0.41
107.5	0.35	0.26	0.17	0.23	0.27	0.37	0.55	0.73	0.99	0.38
110	0.28	0.14	0.28	0.25	0.29	0.42	0.49	0.7	0.84	0.33
112.5	0.25	0.22	0.21	0.25	0.26	0.27	0.35	0.65	0.82	0.26
115	0.18	0.21	0.22	0.21	0.24	0.35	0.37	0.55	0.69	0.23
117.5	0.22	0.27	0.29	0.27	0.24	0.34	0.4	0.54	0.67	0.29
120	0.34	0.31	0.23	0.23	0.31	0.36	0.4	0.42	0.61	0.29
122.5	0.32	0.47	0.41	0.41	0.43	0.4	0.42	0.49	0.6	0.38
125	0.57	0.63	0.56	0.51	0.64	0.55	0.68	0.57	0.64	0.51
127.5	0.8	0.76	0.76	0.74	0.78	0.73	0.76	0.69	0.62	0.66
130	1	0.96	1.13	1.04	1.12	1.01	1	1.06	0.77	0.98

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**CANDELA TABULATION - (Cont.)**

132.5	1.66	1.46	1.34	1.62	1.56	1.48	1.37	1.24	1.1	1.17
135	1.93	2.06	2.08	2.17	1.88	2.02	1.88	1.65	1.41	1.68
137.5	2.73	2.97	3.1	2.65	2.68	2.87	2.46	2.2	1.92	1.89
140	3.28	3.54	3.62	3.38	3.51	3.57	3.44	2.55	2.47	2.67
142.5	4.13	4.06	4.16	4.06	4.1	4.13	3.6	3.24	2.84	3.05
145	4	4.17	4.3	4.05	4.03	3.89	3.88	3.18	2.92	3.06
147.5	2.71	3.2	3.18	3.1	3.05	2.95	2.65	2.42	2.41	2.64
150	1.48	1.2	1.36	1.1	1.13	1.37	1.12	1.02	0.99	0.87
152.5	0.16	0.17	0.07	0.05	0.13	0.16	0.12	0.09	0.1	0.04
155	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

**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>	<u>95</u>
0	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18
2.5	117.92	102.43	124.96	108.47	122.18	99.18	118.62	111.73	111.08	108.55
5	140.17	124.96	123.86	136.57	110.58	130.4	117.64	118.45	126.57	122
7.5	159.28	147.2	150.29	146.96	149.81	158.14	143.67	134.01	138.85	136.57
10	210.29	187.85	163.46	174.01	175.97	186.93	177.42	187.84	196.09	185.42
12.5	237.26	243.24	236.18	252.06	249.16	261.76	271.32	295.09	287.58	304.01
15	353.19	370.26	368.3	360.57	382.28	400.6	394.79	414.5	437.13	440.33
17.5	486.92	487.71	515.96	525.2	562.63	566.37	584.47	574.2	598.32	598.76
20	668.27	679.91	690.24	720.64	701.09	713.8	724.33	703.67	703.33	716.46
22.5	852.4	870.73	866.08	906.69	833.65	848.58	846.07	833.64	814.84	827.69
25	969.68	1001.13	1007.44	975.15	922.29	912.35	887.32	875.47	843.91	876.78
27.5	1031.24	1060.26	1072.74	1015.77	977.73	938.27	894.19	888.29	863.08	867.17
30	1034.53	1093.38	1081.09	1035.82	1002.58	928.91	901.84	878.34	878.34	894.95
32.5	1052.01	1101.56	1073.74	1047.27	989.98	938.27	910.66	908.68	893.83	923.34
35	1049.55	1085.49	1071.34	1044.68	1005.74	971.94	928.18	925.8	930.27	946.55
37.5	959.33	1035.36	1054.72	1036.87	1041.39	1005.96	999.9	994.85	989.26	1009.56
40	915.32	991.32	1053.4	1058.27	1054.18	1072.9	1054.23	1039.39	1042.07	1076.18
42.5	880.55	989.16	1066.79	1109.1	1132.4	1141.75	1138.67	1115.68	1113.91	1120.92
45	882.31	1011	1101.69	1170.2	1178.46	1216.93	1214.13	1185.64	1147.99	1146.13
47.5	927.2	1026.95	1168.55	1225.08	1238.47	1276.55	1272.63	1260.57	1223.44	1156.61
50	965.02	1079.15	1196.29	1261	1308.05	1340.94	1335.97	1292.98	1246.03	1163.4
52.5	1011.83	1084.15	1207.37	1281.35	1328.89	1385.4	1398.04	1355.59	1243.26	1147.15
55	1061.07	1120.02	1225.75	1311.94	1394.41	1449.68	1444.35	1337.03	1242.06	1131.42
57.5	1068.87	1114.78	1220.23	1329.18	1406.02	1439.18	1417.64	1323.05	1189.27	1059.66
60	1050.54	1090.41	1186.91	1260.37	1368.98	1389.87	1315.1	1224.67	1092.55	992.63
62.5	988.76	1020.53	1082.47	1184.14	1244.16	1250.49	1207.58	1109.58	963.92	853.78
65	883.29	909.67	960.48	1050.94	1111.54	1100.74	1050.55	954.43	846.91	769.24
67.5	783.58	800.11	829.85	892.29	920.28	947.32	888.48	812.7	719.99	634.97
70	640.54	635.38	682.42	738.36	760.42	778.39	726.14	664.92	588.28	538.39
72.5	493.5	499.12	525.77	580.67	601.88	608.04	585.94	530.3	457.47	421.16
75	356.82	355.9	379.2	429.09	463.81	466.05	443.93	388.22	355.41	339.36
77.5	227.29	234.45	267.85	297.97	320.02	324.38	306.73	281.66	247.09	240.1

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**CANDELA TABULATION - (Cont.)**

80	112.14	126.12	144.54	167.65	192.34	181.3	165.86	158.48	139.81	138.87
82.5	42.34	49.13	56.89	77.18	76.76	87.77	76.99	64.01	61.09	55.42
85	12.87	13.78	19.17	25.91	30.73	31.79	25.88	22.19	18.36	16.88
87.5	3.29	3.61	4.24	4.31	5.09	5.96	4.53	3.53	2.96	3.31
90	1.85	1.41	1.07	0.8	0.67	0.58	0.53	0.57	0.39	0.56
92.5	1.82	1.2	0.86	0.66	0.46	0.33	0.36	0.36	0.21	0.38
95	1.86	1.28	0.99	0.62	0.46	0.35	0.31	0.26	0.36	0.35
97.5	1.45	1.09	0.86	0.62	0.51	0.36	0.28	0.28	0.25	0.26
100	1.14	0.87	0.66	0.48	0.39	0.26	0.17	0.25	0.24	0.41
102.5	1.15	0.81	0.64	0.51	0.34	0.23	0.15	0.21	0.22	0.27
105	1	0.81	0.62	0.5	0.28	0.25	0.2	0.17	0.19	0.22
107.5	0.85	0.78	0.6	0.41	0.39	0.2	0.2	0.2	0.23	0.27
110	0.83	0.66	0.62	0.43	0.37	0.21	0.15	0.21	0.2	0.21
112.5	0.78	0.63	0.46	0.4	0.37	0.23	0.16	0.17	0.28	0.23
115	0.68	0.68	0.5	0.42	0.36	0.22	0.15	0.2	0.12	0.2
117.5	0.59	0.67	0.47	0.38	0.28	0.25	0.2	0.15	0.2	0.23
120	0.68	0.69	0.47	0.45	0.35	0.24	0.21	0.24	0.22	0.29
122.5	0.65	0.69	0.62	0.51	0.4	0.34	0.28	0.31	0.22	0.22
125	0.72	0.69	0.66	0.58	0.53	0.42	0.3	0.39	0.33	0.35
127.5	0.79	0.81	0.88	0.75	0.63	0.57	0.48	0.47	0.39	0.47
130	1.03	0.99	0.89	0.88	0.78	0.74	0.76	0.69	0.65	0.75
132.5	1.08	1.54	1.33	1.24	1.22	1.02	0.93	0.82	0.93	1.05
135	1.81	1.94	1.85	1.86	1.65	1.42	1.37	1.46	1.37	1.6
137.5	2.02	2.42	2.32	2.59	2.08	2.31	2.09	2.07	2.35	2.22
140	2.86	3.08	2.97	3.2	3.13	3.04	2.9	2.92	3.16	3
142.5	3.38	3.66	3.75	3.71	3.71	3.64	3.69	3.46	3.73	3.78
145	3.34	3.71	3.88	3.92	4.02	3.94	4.22	4.35	4.21	4.06
147.5	2.62	2.9	2.92	3.41	3.26	3.43	3.7	3.68	3.66	3.82
150	1.21	1.28	1.32	1.62	1.48	1.55	1.48	1.65	1.69	1.69
152.5	0.09	0.12	0.2	0.21	0.06	0.13	0.22	0.16	0.16	0.14
155	0	0	0	0.01	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18	96.18
2.5	101.91	93.65	113.78	103.04	103.44	96.79	88.23	90.5	88.7	90.14
5	138.03	129.06	112.62	120.09	102.29	120.31	117.54	105.13	102.02	93.16
7.5	141.43	138.13	144.37	131.33	136.91	119.8	118.07	117.45	131.91	118.52
10	186.98	181.75	182	176.84	171.35	183.02	164.56	188.89	188.13	202.27
12.5	293.21	297.43	281.41	284.21	277.3	266.03	269.1	285.62	301.48	310.72
15	443.65	429.5	435.89	404.8	370.79	364.77	362.15	365.61	413.94	464.7
17.5	580.66	551.95	552.33	529.29	489.59	463.29	462.27	501.67	527.52	618.08
20	730.07	698.49	670.38	602.3	577.02	530.99	544.28	593.38	660.77	695.62
22.5	840.37	822.35	763.3	735.47	664.39	567.89	585.51	642.72	685.96	730.9
25	847.58	868.09	870.19	789.28	694.18	643.81	618.53	643.93	695.43	729.19

**IES ROAD REPORT**  
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**CANDELA TABULATION - (Cont.)**

27.5	883.49	904.01	887.21	846.62	764.23	713.57	654.56	670.1	724.39	767.86
30	918.48	969.76	965.73	926.18	829.69	752.05	706.35	706.33	705.69	788.37
32.5	953.41	1007.61	1062.43	1012.71	934.35	817.16	782.43	744.86	759.17	809.37
35	1047.54	1081.38	1110.67	1097.64	997.34	893.82	844.74	804.33	808.83	856.57
37.5	1082.64	1149.41	1182.49	1134.73	1064.75	977.74	907.28	848.95	850.26	926.74
40	1136.42	1204.56	1216.79	1185.16	1100.81	1011.6	914.31	843.23	858.89	924.49
42.5	1155.3	1211.8	1245.03	1198.03	1112.82	992.9	885.75	835.89	826.59	891.86
45	1181.07	1236.44	1225.23	1214.16	1125.92	953.03	867.31	789.87	779.91	879.37
47.5	1186.32	1242.73	1231.13	1169.46	1070.9	922.3	812	742.01	760.73	823.76
50	1170.1	1164.69	1171.73	1114.97	987.28	870.13	748.63	696.02	700.5	766.58
52.5	1111.38	1113.67	1112.12	1031.75	928.36	794.02	680.13	641.59	659.7	719.26
55	1064.9	1017.94	1002.76	936.7	839.59	720.81	611.38	573.62	605.69	664.03
57.5	984.79	948.61	893.04	842.82	741.66	627.99	543.14	516	547.29	621.03
60	887.91	838.64	807.65	767.3	660.55	549.17	489.68	458.91	512.22	573.61
62.5	805.41	735.09	695.49	675.87	574.38	493.02	419.67	406.36	465.08	527.34
65	681.92	654.91	630.13	575.07	519.08	430.13	371.31	374.08	403.1	484.77
67.5	591.89	560.77	542.42	517.78	457.43	387.55	342.32	335.6	366.5	431.86
70	492.45	478.07	447.79	458.02	410.18	358.13	294.72	292.01	326.91	391.8
72.5	408.57	384.06	381.03	374.57	357.71	296.49	258.44	251.44	266.33	314.65
75	315.04	308.72	304.16	302.47	288.31	236.27	192.49	192.99	218	249.34
77.5	230.76	225.63	215.78	211.76	205.95	173.5	134.79	136.03	151.96	162.54
80	136.36	128.7	127.36	136.56	124.48	108.42	81.44	75.13	78.14	85.23
82.5	59.74	59.29	63.4	59.48	56.24	49.49	39.47	31.99	31.19	30.44
85	18.87	18.49	18.36	18.79	17.46	14.71	12.68	9.26	8.4	7.67
87.5	2.82	3.64	3.2	3.54	3.55	4.19	4.38	2.4	3.72	3.47
90	0.69	0.69	0.7	1.02	1.62	1.83	2.08	0.87	1.77	1.91
92.5	0.35	0.31	0.47	0.8	1.26	1.94	1.93	0.65	1.73	1.57
95	0.31	0.38	0.56	0.72	1.24	1.78	2.03	0.68	1.65	1.42
97.5	0.29	0.36	0.46	0.71	1.09	1.44	1.5	0.56	1.19	1.2
100	0.28	0.27	0.31	0.53	0.63	0.94	1.24	0.41	0.92	0.78
102.5	0.29	0.3	0.28	0.42	0.64	0.96	1.16	0.36	0.88	0.64
105	0.21	0.22	0.27	0.37	0.7	0.88	1	0.36	0.69	0.57
107.5	0.21	0.21	0.33	0.39	0.54	0.92	1.1	0.34	0.76	0.67
110	0.23	0.2	0.22	0.42	0.52	0.78	0.98	0.34	0.68	0.59
112.5	0.19	0.23	0.27	0.41	0.42	0.7	0.8	0.3	0.69	0.5
115	0.26	0.17	0.2	0.3	0.56	0.72	0.74	0.32	0.71	0.55
117.5	0.23	0.19	0.24	0.38	0.52	0.65	0.84	0.47	0.74	0.63
120	0.26	0.22	0.36	0.49	0.63	0.84	0.92	0.6	0.82	0.76
122.5	0.23	0.33	0.4	0.52	0.8	0.88	0.95	0.69	1	1.09
125	0.3	0.45	0.54	0.72	1.01	1.15	1.24	1.11	1.15	1.18
127.5	0.62	0.61	0.84	0.98	1.24	1.45	1.49	1.41	1.47	1.49
130	0.83	0.87	1.13	1.43	1.62	1.5	1.73	1.75	1.8	1.78
132.5	1.03	1.38	1.6	1.65	2.12	1.97	2.18	2.09	2.3	2.35
135	1.55	1.89	2.08	2.41	2.72	2.97	2.81	2.92	2.53	2.68
137.5	2.12	2.64	2.86	3	3.23	3.52	3.36	3.29	3.09	3.08
140	3.16	3.52	3.73	3.66	4.11	3.97	3.56	3.44	3.37	3.5
142.5	4.07	4.36	4.48	4.03	4.28	4.25	3.72	3.86	3.71	3.43
145	4.36	4.48	4.32	4.3	4.01	4.01	3.02	3.2	3.4	3.07
147.5	3.35	3.73	3.74	3.32	3.08	2.54	2.24	2.45	2.43	2.49
150	1.61	1.61	1.81	1.61	1.42	1.22	0.95	1.01	1.12	1.28
152.5	0.12	0.12	0.18	0.13	0.16	0.25	0.13	0.09	0.13	0.15
155	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-T-HYD-HOR 70HPS.IES**

**CANDELA TABULATION - (Cont.)**

167.5	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**

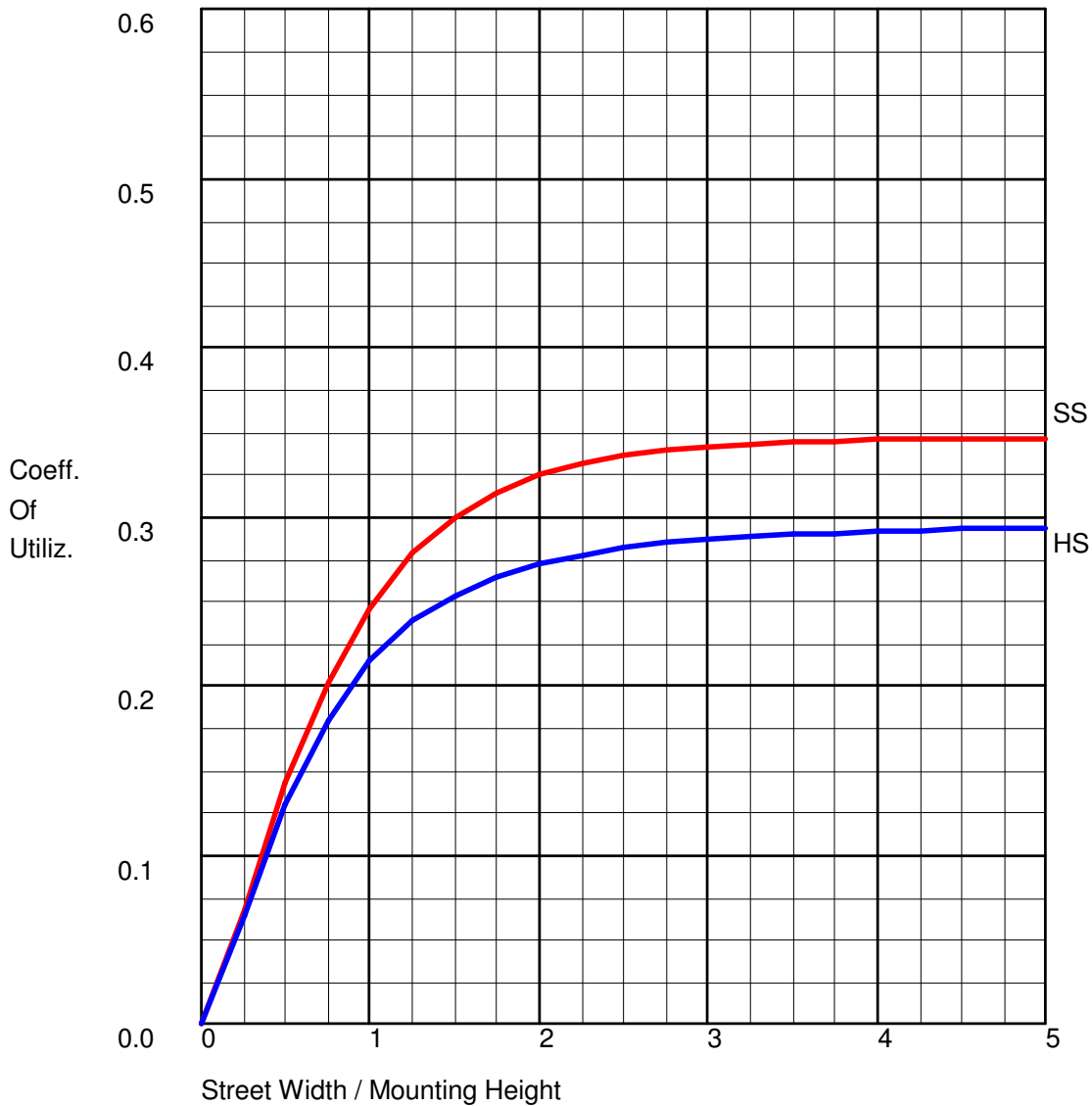
	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	96.18	96.18	96.18	96.18	96.18	96.18	96.18
2.5	97.48	82.62	91.25	88.86	72.69	111.62	72.61
5	98.33	83.96	90.68	84.75	87.83	91.92	87.98
7.5	131.06	134.94	124.86	124.14	120.8	139.95	136.81
10	212.76	214.56	218.88	221.12	217.27	206.91	220.27
12.5	326.33	344.54	355.1	360.82	363.67	344.98	342.94
15	473.2	486.91	503.52	539.93	500.61	503.13	511.55
17.5	632.48	638.11	623.84	634.9	645.4	642.01	666.01
20	746.23	750.22	777.69	752.53	755.64	756.08	780.8
22.5	758.76	801.15	795.29	791.46	778.58	760.3	818.22
25	779.13	792.69	783.43	775.68	779.6	764.68	746.93
27.5	748.96	771.75	799.32	799.18	760.14	748.74	760.29
30	777.21	770.92	775.5	764.3	752.03	774.5	800.13
32.5	801.68	804.15	781.74	787.22	790.57	806.73	805.35
35	864.6	841.93	837.8	828.16	803.4	839.68	825.36
37.5	922	890.7	868.82	862.81	843.13	836.38	824.78
40	959.01	916.94	878.81	881.58	843.01	833.6	849.41
42.5	918.14	850.9	895.27	853.64	845.18	828.44	833.38
45	881.25	813.05	830.77	814.67	803.63	773.58	785.36
47.5	833.42	760.66	767.96	752.88	756.74	730.12	736.93
50	770.05	720.85	724.76	715.78	706.8	697.45	697.07
52.5	712.05	671.21	685.82	676.62	659	637.51	645.44
55	677.64	640.88	634.5	624.22	607.22	622.93	595.09
57.5	632.62	603.47	597.44	583.97	577.76	566.14	550.85
60	578.03	555.64	550.17	552.19	527.93	535.54	525.01
62.5	531.03	521.24	514.9	497.26	515.23	494.59	485.24
65	481.47	471.93	463.88	463.76	455.51	441.15	453.42
67.5	436.77	429.93	418.48	412.23	413.1	413.46	397.71
70	379.64	362.65	368.28	361.61	359.07	357.64	357.58
72.5	313.09	301.01	297.88	301.27	291.6	285.61	281.5
75	232.14	229.37	219.84	224.42	216.79	216.37	207.24
77.5	155.21	152	145.78	145.38	139.89	134.89	132.88
80	81.44	77.88	75.48	73.16	70.47	71.57	64.93
82.5	28.3	27.31	24.5	24.46	22.52	21.99	19.92
85	7.28	7.41	6.89	5.83	6.89	6.55	5.35
87.5	3.6	3.7	3.46	3.41	3.29	3.23	3.18
90	1.84	1.74	1.87	1.57	1.55	1.15	0.71
92.5	1.53	1.27	1.42	1.29	1.15	1.05	0.98
95	1.39	1.49	1.36	1.25	0.91	0.85	1.3
97.5	1.05	1.13	0.98	0.88	0.72	0.77	0.82
100	0.55	0.58	0.49	0.31	0.24	0.27	0.21
102.5	0.53	0.44	0.44	0.3	0.17	0.28	0.26
105	0.52	0.41	0.35	0.19	0.16	0.14	0.1
107.5	0.43	0.42	0.32	0.32	0.19	0.22	0.28
110	0.44	0.41	0.35	0.28	0.26	0.26	0.3
112.5	0.44	0.42	0.41	0.39	0.32	0.3	0.36

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-T-HYD-HOR 70HPS.IES**

**CANDELA TABULATION - (Cont.)**

115	0.47	0.44	0.52	0.45	0.47	0.43	0.52
117.5	0.58	0.73	0.65	0.59	0.65	0.67	0.67
120	0.76	0.86	0.91	0.86	0.88	1.03	1.1
122.5	1.1	1.08	1.27	1.26	1.23	1.22	1.19
125	1.36	1.51	1.71	1.82	1.66	1.68	1.82
127.5	1.59	2.03	2.23	2.25	2.3	2.16	2.1
130	2.18	2.48	2.79	2.61	2.67	2.68	2.78
132.5	2.53	3.1	3.09	3.46	3.21	3.39	3.17
135	2.9	3.2	3.66	3.92	3.89	3.64	3.81
137.5	3.61	3.87	4	4.15	4.03	4.5	4.49
140	3.76	4.2	4.59	4.52	4.7	4.81	4.58
142.5	3.71	4	4.35	4.35	4.17	4.28	4.43
145	3.19	3.34	3.55	3.81	3.75	4.08	3.94
147.5	2.6	2.96	3.03	3.21	3.2	3.1	3.22
150	1.61	1.41	1.59	1.46	1.74	1.79	1.83
152.5	0.18	0.18	0.25	0.21	0.22	0.17	0.29
155	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0

**COEFFICIENTS OF UTILIZATION**

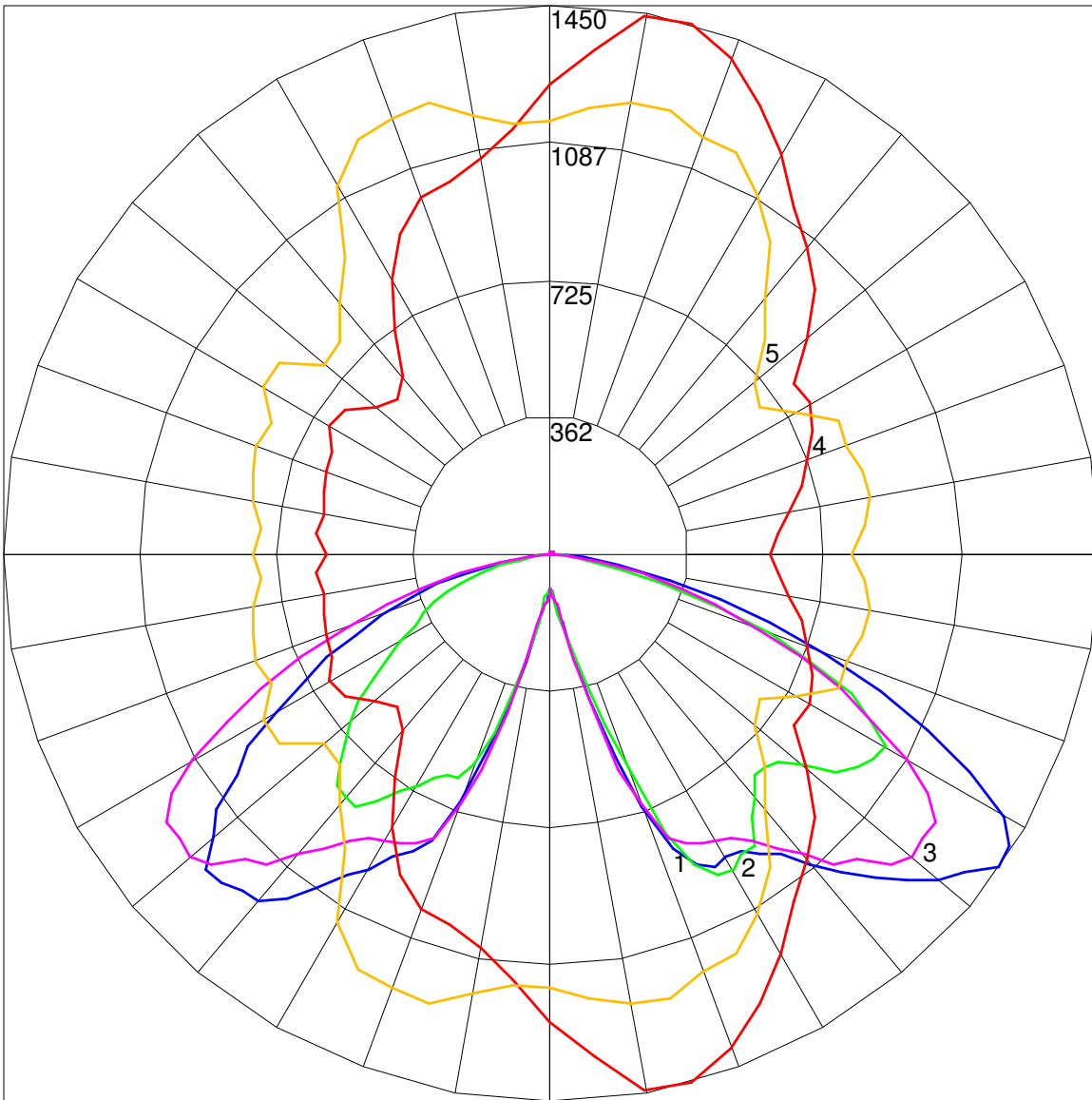


**FLUX DISTRIBUTION**

	Lumens	Percent Of Lamp
Downward Street Side	1947.2	34.8
Downward House Side	1649.6	29.5
Downward Total	3596.8	64.2
Upward Street Side	2.9	0.1
Upward House Side	3.7	0.1
Upward Total	6.6	0.1
<b>Total Flux</b>	<b>3603.4</b>	<b>64.3</b>



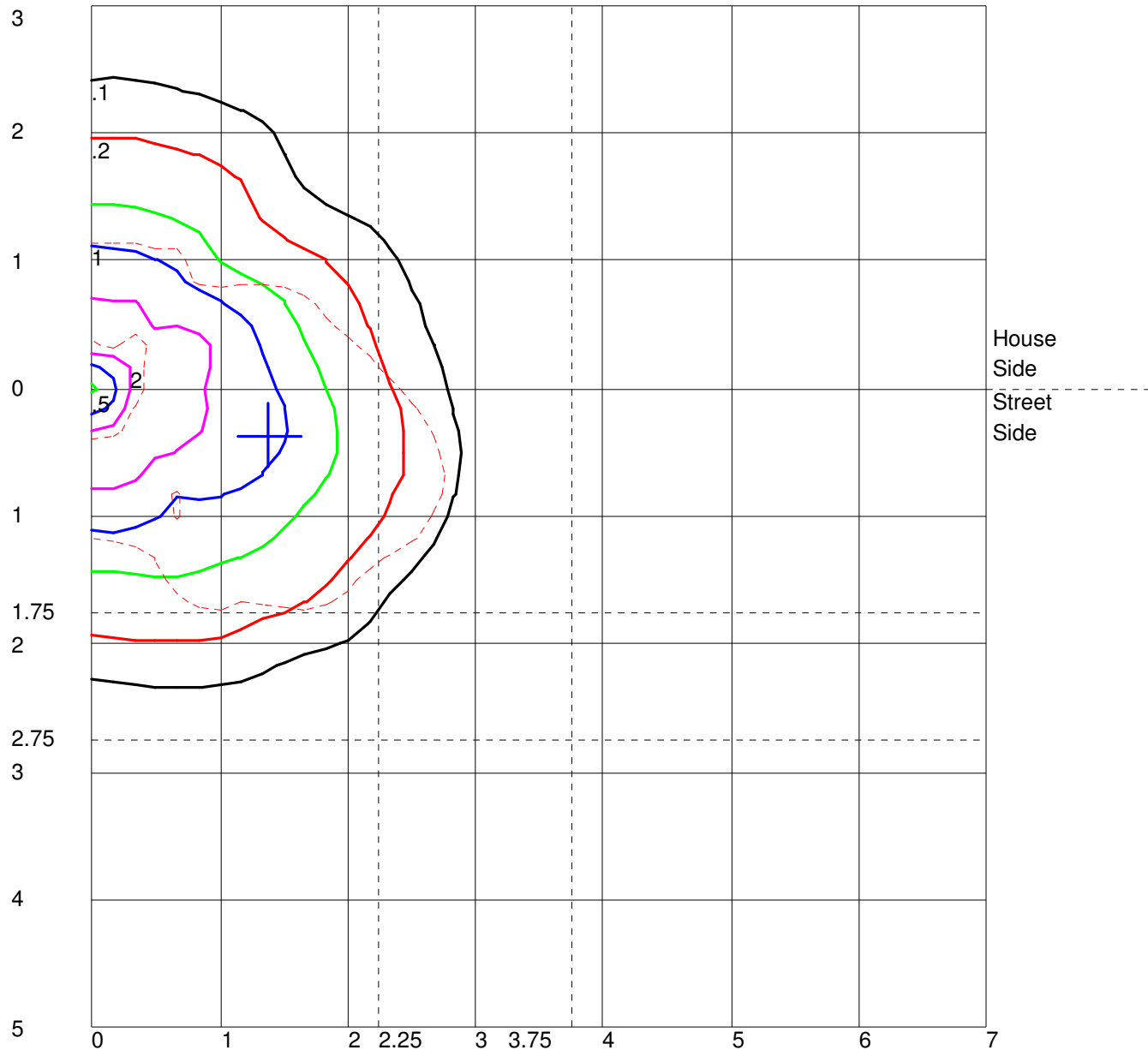
POLAR GRAPH



Maximum Candela = 1449.68 Located At Horizontal Angle = 75, Vertical Angle = 55

- # 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 4 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)
- # 5 - Horizontal Cone Through Vertical Angle (45)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 15 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point