

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P180542

Luminaire Tested: **ICS-F03-LED-E1-SL2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180542
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F03-LED-E1-SL2-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6219.9 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



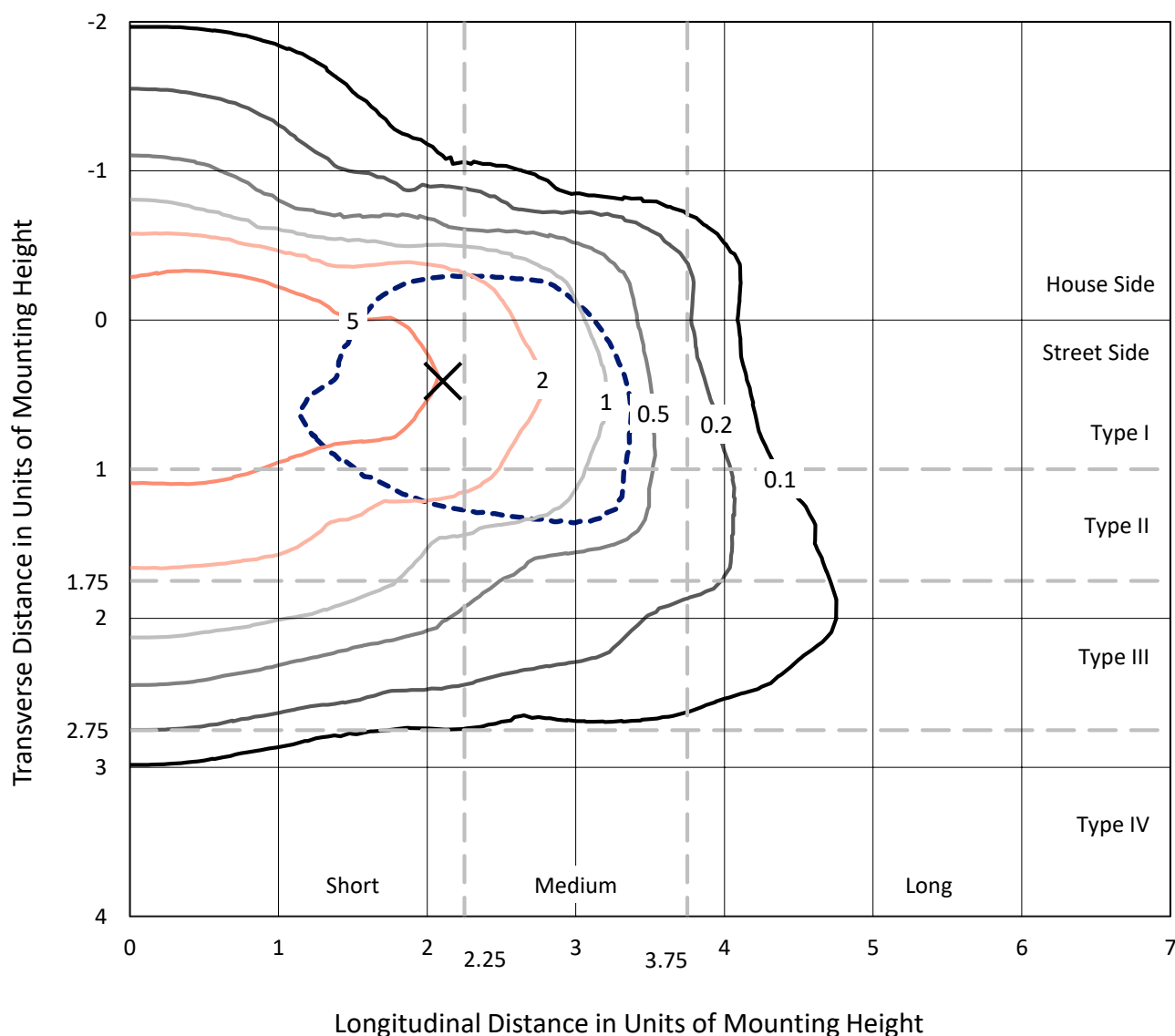
REPORT NUMBER: P180542

CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

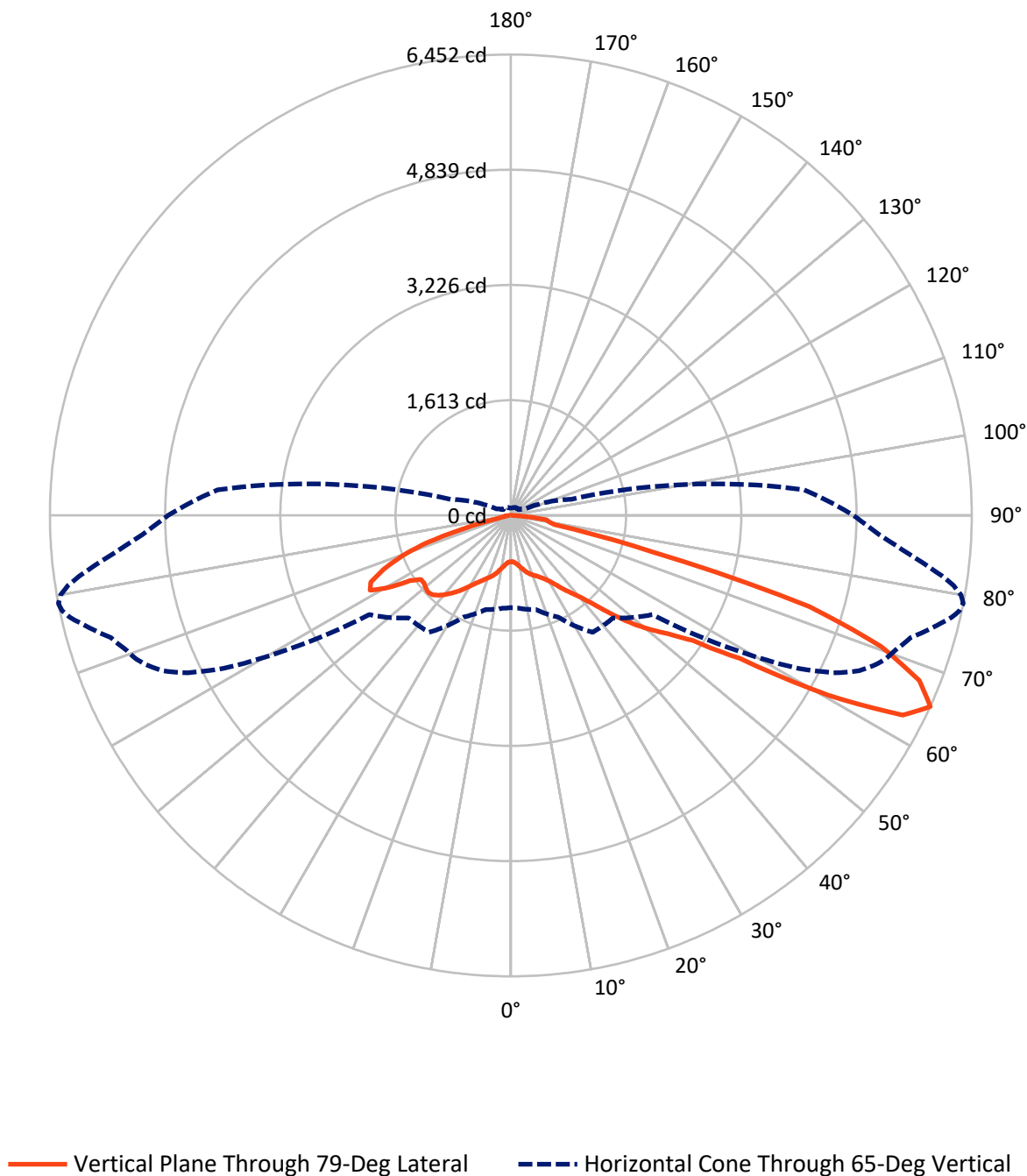


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P180542

CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

Luminous Intensity Polar Plot



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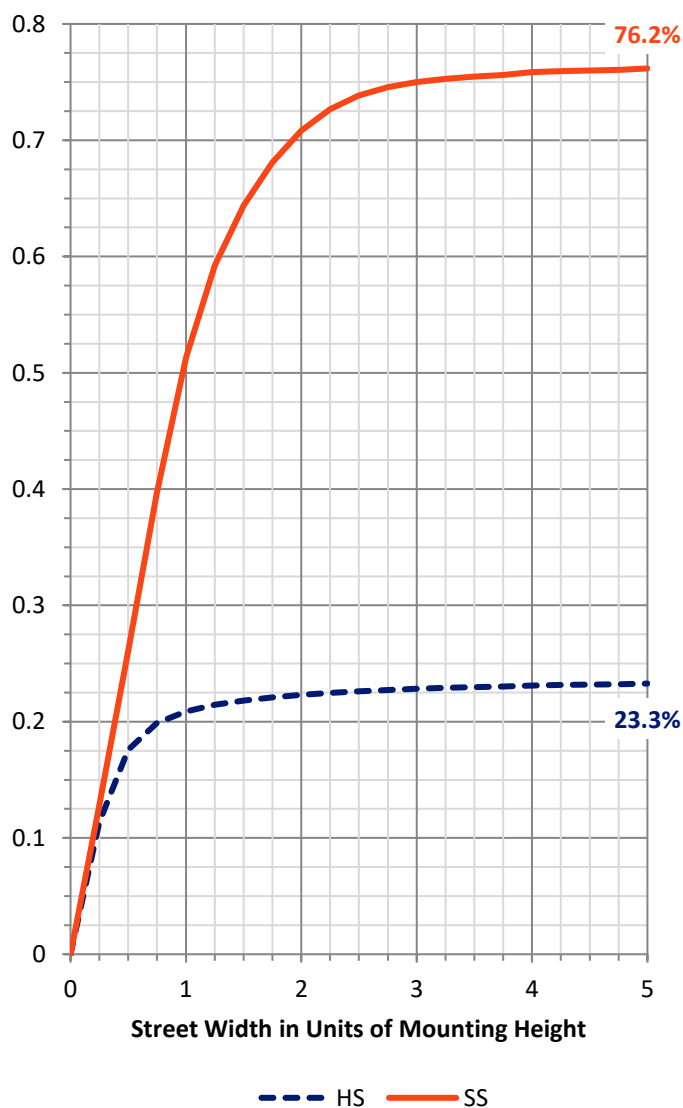
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1470.4	0.0	1470.4
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	4749.5	0.0	4749.5
	% Fixture	76.4	0.0	76.4
Total	Lumens	6219.9	0.0	6219.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.0
10°-20°	210.4	3.4
20°-30°	363.5	5.8
30°-40°	601.7	9.7
40°-50°	1020.4	16.4
50°-60°	1355.8	21.8
60°-70°	1751.3	28.2
70°-80°	734.5	11.8
80°-90°	118.0	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6219.9	100.0
0°-180°	6219.9	100.0

Coefficient of Utilization



REPORT NUMBER: P180542

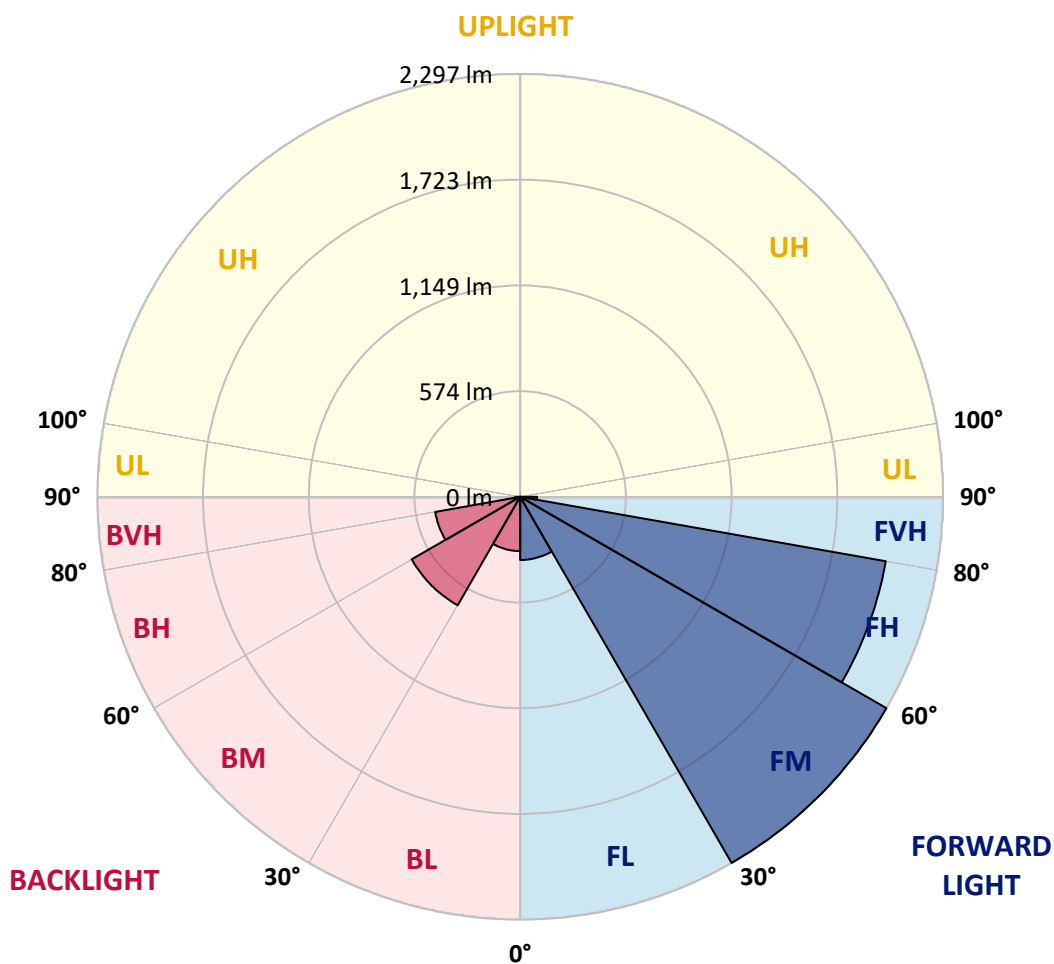
CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.2	5.5			
FM	(30°-60°)	2297.2	36.9			
FH	(60°-80°)	2016.9	32.4			G2/5000
FVH	(80°-90°)	92.3	1.5			G1/100
BL	(0°-30°)	295.1	4.7	B1/500		
BM	(30°-60°)	680.6	10.9	B1/1000		
BH	(60°-80°)	468.9	7.5	B1/500		G1/500
BVH	(80°-90°)	25.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



REPORT NUMBER: P180542

CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4
2.5°	645.4	647.4	646.1	647.4	648.8	649.4	650.8	650.1	650.1	650.8	649.4
5°	645.4	645.4	647.4	650.8	652.2	656.2	661.0	660.3	661.0	660.3	661.7
7.5°	659.0	658.3	660.3	664.4	665.7	671.8	680.0	681.3	682.7	682.7	684.7
10°	682.7	682.0	684.1	686.1	688.1	692.9	704.4	709.2	709.8	710.5	713.2
12.5°	712.6	711.9	709.2	709.2	708.5	717.3	732.9	741.7	743.1	745.8	747.9
15°	733.6	731.6	727.5	724.8	728.2	742.4	765.5	775.7	777.0	779.1	784.5
17.5°	754.0	751.9	743.1	736.3	741.1	764.1	795.4	806.2	808.9	811.0	817.1
20°	782.5	781.1	768.2	751.9	750.6	780.4	818.4	832.7	834.7	837.4	843.5
22.5°	825.9	819.8	804.9	774.3	759.4	789.9	834.7	854.4	857.1	859.8	868.0
25°	880.2	877.5	851.7	804.9	773.6	799.4	852.4	876.8	880.9	884.3	895.1
27.5°	936.5	932.4	904.6	843.5	798.7	818.4	880.2	908.0	913.4	918.9	929.0
30°	986.7	985.4	962.3	895.8	839.5	854.4	925.0	958.9	965.0	971.8	981.3
32.5°	1104.8	1105.5	1081.7	1013.9	937.9	919.5	989.4	1040.3	1043.1	1051.2	1068.2
35°	1330.8	1333.5	1324.7	1271.1	1185.6	1110.2	1117.0	1167.2	1170.0	1176.7	1193.0
37.5°	1482.1	1487.6	1514.7	1531.7	1488.2	1453.6	1367.4	1347.8	1349.8	1345.7	1342.3
40°	1565.6	1573.7	1645.0	1733.2	1780.7	1781.4	1744.1	1657.2	1624.0	1614.5	1573.7
42.5°	1613.1	1626.7	1727.8	1878.5	2014.9	2108.5	2131.6	2035.2	2010.8	1967.4	1889.3
45°	1644.3	1660.6	1780.0	1986.4	2187.2	2346.7	2466.8	2424.1	2407.8	2381.3	2309.4
47.5°	1638.9	1651.8	1776.0	2023.0	2277.5	2504.1	2717.2	2761.3	2741.7	2734.9	2686.0
50°	1539.8	1551.4	1677.6	1932.1	2227.9	2563.9	2876.0	3000.9	3000.9	3013.8	2998.9
52.5°	1433.9	1443.4	1558.1	1786.8	2067.8	2505.5	2964.3	3171.2	3198.4	3220.8	3256.1
55°	1393.9	1405.4	1492.3	1687.8	1931.4	2338.6	2994.1	3298.8	3349.0	3387.0	3467.1
57.5°	1412.9	1424.4	1486.2	1634.1	1851.3	2168.2	2995.5	3470.5	3567.6	3645.6	3807.8
60°	1495.0	1505.9	1557.5	1683.7	1830.3	2069.8	2937.8	3744.0	3898.7	4045.3	4315.4
62.5°	1457.0	1470.6	1545.9	1765.8	1987.0	1995.2	2729.5	3955.7	4204.8	4421.3	4850.9
65°	1290.8	1305.0	1364.0	1569.7	1996.5	2027.7	2420.7	3959.8	4269.3	4561.8	5025.3
67.5°	979.9	985.4	1032.2	1197.1	1596.8	2063.7	2103.1	3490.9	3785.4	4111.8	4590.3
70°	500.8	510.3	523.9	661.0	1028.1	1705.4	1807.2	2572.7	2948.0	3285.3	3860.1
72.5°	173.7	177.1	190.7	252.5	500.8	1119.1	1581.9	1763.1	1989.7	2305.3	2971.0
75°	104.5	104.5	109.3	127.6	228.7	582.9	1407.5	1440.1	1470.6	1576.5	2012.1
77.5°	82.8	84.2	84.2	87.5	126.9	299.3	1068.8	1338.9	1343.0	1353.2	1426.5
80°	59.0	61.8	67.2	69.9	82.1	164.2	599.9	1175.4	1255.5	1294.1	1347.8
82.5°	44.1	46.8	57.0	60.4	63.8	91.6	269.4	811.0	956.9	1034.2	1222.9
85°	19.7	23.1	38.7	42.8	44.8	48.9	126.2	230.7	265.3	297.9	392.9
87.5°	3.4	3.4	6.1	8.8	12.9	12.2	27.8	39.4	40.0	46.8	52.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P180542

CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4
2.5°	649.4	649.4	649.4	648.8	649.4	649.4	649.4	649.4	650.1	650.1	650.1
5°	663.7	662.3	663.0	663.0	663.0	662.3	663.7	663.0	663.7	665.7	665.1
7.5°	684.7	686.1	686.8	687.5	687.5	687.5	688.1	689.5	689.5	691.5	690.8
10°	716.0	715.3	716.0	718.0	720.0	720.7	722.7	722.1	723.4	726.1	728.8
12.5°	749.2	750.6	752.6	754.6	758.0	758.7	760.7	761.4	765.5	765.5	768.2
15°	786.5	787.2	791.3	792.0	796.0	797.4	800.8	802.1	806.9	807.6	810.3
17.5°	820.5	821.8	823.9	825.9	830.6	832.7	835.4	838.1	842.2	843.5	848.3
20°	847.6	850.3	851.0	855.1	859.1	861.9	864.6	867.3	871.4	873.4	878.1
22.5°	872.0	874.8	876.8	880.2	882.9	887.0	888.3	893.1	897.2	900.5	904.6
25°	898.5	902.6	904.6	910.7	912.8	916.8	920.2	925.0	930.4	934.5	939.9
27.5°	935.8	941.9	944.7	951.4	956.2	958.2	963.7	970.4	975.2	979.9	985.4
30°	987.4	998.9	1001.0	1005.7	1014.6	1015.9	1022.7	1028.1	1035.6	1040.3	1045.1
32.5°	1067.5	1081.7	1083.1	1088.5	1096.0	1098.7	1104.1	1110.2	1121.8	1123.8	1131.3
35°	1190.3	1196.4	1201.9	1203.9	1210.0	1213.4	1217.5	1224.3	1235.8	1234.4	1242.6
37.5°	1337.6	1339.6	1340.3	1333.5	1334.9	1328.8	1336.2	1337.6	1341.7	1345.0	1353.2
40°	1548.0	1526.9	1524.2	1507.9	1491.6	1482.8	1479.4	1465.8	1469.2	1470.6	1477.4
42.5°	1855.4	1814.7	1780.7	1757.7	1717.6	1697.9	1671.5	1650.4	1634.1	1640.3	1643.0
45°	2244.9	2186.5	2132.3	2061.7	2009.4	1972.1	1925.3	1883.2	1864.2	1855.4	1866.2
47.5°	2633.8	2582.2	2518.4	2445.8	2363.0	2301.2	2223.2	2154.7	2107.1	2089.5	2099.0
50°	2969.7	2922.2	2874.0	2831.2	2734.9	2667.7	2561.2	2472.3	2397.6	2359.6	2349.4
52.5°	3248.6	3223.5	3197.7	3161.7	3084.4	3017.2	2932.4	2844.8	2745.7	2668.4	2641.9
55°	3497.7	3512.6	3499.7	3500.4	3469.8	3427.1	3355.2	3290.0	3220.8	3133.2	3096.6
57.5°	3860.7	3949.0	3966.6	4010.7	4032.4	4055.5	4075.9	4037.2	4019.5	3954.4	3955.1
60°	4432.8	4561.8	4673.7	4775.5	4859.0	4940.4	5025.9	5063.9	5106.0	5125.7	5192.9
62.5°	5041.5	5164.4	5331.3	5467.7	5544.4	5650.3	5743.3	5803.7	5877.6	5956.3	6058.8
65°	5192.2	5340.1	5445.3	5536.3	5612.3	5668.6	5719.5	5791.4	5853.2	5978.1	6098.9
67.5°	4806.1	4924.1	5020.5	5110.1	5169.1	5216.6	5262.1	5309.6	5415.5	5528.8	5650.3
70°	4125.4	4267.9	4427.4	4543.4	4572.6	4613.3	4656.8	4718.5	4771.5	4890.2	4982.5
72.5°	3314.4	3519.4	3654.4	3815.3	3849.9	3911.6	3936.1	3984.2	3993.7	4058.2	4082.6
75°	2310.1	2544.9	2680.6	2798.7	2821.7	2787.8	2801.4	2631.1	2587.6	2552.3	2523.8
77.5°	1524.9	1588.0	1609.7	1590.7	1499.8	1428.5	1352.5	1277.9	1286.0	1225.6	1119.7
80°	1355.9	1370.2	1350.5	1331.5	1279.2	1204.6	1136.0	1066.1	1031.5	994.9	940.6
82.5°	1319.3	1374.2	1380.3	1357.3	1315.9	1234.4	1151.6	1047.8	959.6	878.1	795.4
85°	441.1	536.8	579.6	619.6	631.8	646.1	597.2	530.7	450.6	397.0	310.8
87.5°	56.3	69.9	80.8	69.2	80.8	95.0	68.5	76.7	77.4	48.2	36.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P180542

CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4
2.5°	650.8	650.1	650.1	650.1	649.4	650.1	650.1	650.1	650.1	650.1	649.4
5°	665.7	665.7	667.8	668.5	667.1	666.4	667.1	667.8	667.8	667.1	667.8
7.5°	693.6	694.2	695.6	697.6	696.3	697.0	697.6	697.0	699.0	699.7	699.0
10°	728.8	730.2	733.6	734.3	733.6	736.3	737.0	735.6	737.0	737.0	739.7
12.5°	769.6	770.9	775.0	776.4	777.7	778.4	780.4	781.1	783.1	784.5	786.5
15°	813.7	815.0	817.8	822.5	823.9	825.2	826.6	830.6	831.3	834.0	836.1
17.5°	851.0	853.0	857.1	860.5	862.5	865.9	867.3	872.0	873.4	877.5	880.9
20°	880.9	884.3	887.6	891.7	895.1	899.2	900.5	905.3	908.0	910.0	914.1
22.5°	908.0	912.1	916.8	921.6	924.3	929.7	931.8	933.8	939.9	942.6	946.7
25°	943.3	947.4	952.8	958.9	961.6	968.4	970.4	973.8	980.6	983.3	989.4
27.5°	991.5	996.9	1001.0	1007.1	1010.5	1015.2	1020.0	1024.1	1030.2	1034.2	1041.0
30°	1051.9	1055.9	1062.7	1067.5	1072.9	1079.7	1085.1	1089.2	1092.6	1098.7	1106.2
32.5°	1140.8	1141.5	1143.5	1155.0	1160.5	1165.9	1173.4	1176.7	1182.2	1188.3	1196.4
35°	1251.4	1257.5	1262.3	1267.7	1273.8	1279.9	1282.6	1292.8	1297.5	1305.7	1313.8
37.5°	1361.3	1362.0	1372.9	1376.3	1381.7	1387.8	1397.3	1407.5	1419.7	1427.8	1440.7
40°	1479.4	1484.8	1498.4	1505.2	1512.0	1526.9	1534.4	1550.7	1571.0	1582.6	1604.3
42.5°	1650.4	1658.6	1683.0	1693.9	1710.2	1734.6	1750.2	1772.6	1780.7	1808.6	1818.7
45°	1874.4	1899.5	1934.8	1957.9	1987.0	2013.5	2027.1	2037.3	2049.5	2071.2	2068.5
47.5°	2116.7	2149.2	2188.6	2236.1	2255.1	2286.3	2304.0	2323.6	2312.8	2307.3	2301.9
50°	2365.0	2403.0	2455.3	2498.0	2527.2	2546.2	2561.2	2558.4	2535.4	2523.2	2489.2
52.5°	2641.2	2663.6	2713.2	2749.8	2767.5	2771.5	2768.1	2747.8	2726.1	2687.4	2647.3
55°	3064.7	3054.5	3074.2	3091.2	3085.7	3104.7	3055.9	3036.9	2983.3	2933.0	2879.4
57.5°	3925.2	3938.8	3828.8	3779.3	3770.5	3788.1	3701.9	3691.1	3561.5	3545.2	3454.9
60°	5183.4	5249.9	5163.7	5115.5	4985.2	4942.5	4846.1	4806.1	4681.9	4581.4	4454.5
62.5°	6129.4	6189.8	6225.8	6157.2	6081.2	5969.2	5823.3	5661.8	5530.2	5376.1	5241.7
65°	6214.9	6337.1	6419.8	6451.7	6398.1	6275.3	6095.5	5891.9	5690.3	5496.9	5327.3
67.5°	5815.2	5924.4	6052.7	6167.4	6174.2	6094.1	5940.7	5733.8	5501.0	5262.1	5063.3
70°	5128.4	5265.5	5377.5	5498.3	5582.4	5536.3	5459.6	5269.6	5028.0	4842.0	4613.3
72.5°	4170.9	4228.5	4255.7	4374.5	4375.8	4291.7	4237.4	4132.2	3937.4	3805.8	3631.4
75°	2435.6	2308.7	2173.7	2056.3	1960.6	1920.5	1742.7	1712.9	1593.4	1519.5	1410.9
77.5°	1004.4	891.0	745.1	623.7	503.5	449.3	370.5	335.9	291.1	271.5	258.6
80°	861.2	754.0	644.0	538.8	445.2	351.5	273.5	212.4	166.9	141.8	131.7
82.5°	703.1	638.6	561.9	504.9	431.6	361.7	305.4	236.8	177.1	130.3	99.8
85°	253.8	208.3	167.6	154.0	122.8	101.1	84.8	72.6	59.7	47.5	42.1
87.5°	28.5	27.1	15.6	14.9	17.0	12.2	14.3	12.9	10.9	9.5	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P180542

CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4	647.4
2.5°	649.4	649.4	650.1	650.1	650.8	651.5	652.8	652.2	652.2	652.8	652.8
5°	667.8	669.8	669.1	669.1	669.1	669.8	670.5	667.8	665.1	662.3	661.0
7.5°	699.7	701.0	702.4	701.0	702.4	701.7	700.3	692.9	684.1	673.2	665.7
10°	741.1	741.1	742.4	741.7	744.5	742.4	738.4	721.4	702.4	679.3	662.3
12.5°	785.9	790.6	788.6	789.2	794.7	789.2	779.7	754.6	720.7	683.4	653.5
15°	838.8	840.8	842.2	840.1	843.5	838.8	821.8	781.8	732.2	680.0	635.9
17.5°	882.2	882.9	883.6	884.9	889.7	884.3	855.1	800.8	735.0	664.4	606.0
20°	916.2	919.5	922.3	922.3	929.0	920.9	882.2	810.3	726.1	638.6	568.0
22.5°	951.4	954.2	957.5	958.2	967.0	958.9	904.6	808.2	703.1	601.9	523.9
25°	994.9	997.6	1000.3	1003.7	1015.9	1004.4	927.0	800.1	671.2	558.5	476.4
27.5°	1045.1	1051.2	1053.2	1058.7	1072.9	1055.3	946.0	787.9	635.9	508.3	426.2
30°	1112.3	1119.7	1122.5	1129.9	1149.6	1110.9	956.9	766.9	591.1	457.4	372.6
32.5°	1202.5	1212.7	1220.9	1229.0	1251.4	1166.6	958.2	736.3	538.8	400.4	321.0
35°	1320.6	1336.2	1342.3	1347.8	1368.8	1227.0	952.1	690.8	475.0	342.0	280.3
37.5°	1452.9	1468.6	1472.6	1475.3	1479.4	1278.5	937.2	621.6	403.1	291.1	247.7
40°	1615.8	1629.4	1634.8	1630.8	1609.0	1318.6	903.9	540.9	333.2	256.5	227.3
42.5°	1814.7	1835.0	1837.1	1818.7	1746.8	1341.0	837.4	445.9	278.2	231.4	211.7
45°	2061.0	2059.6	2048.1	2035.2	1896.8	1332.2	744.5	363.1	243.6	211.7	197.5
47.5°	2282.2	2259.2	2241.5	2203.5	2029.1	1280.6	624.3	300.6	222.6	196.8	185.3
50°	2463.4	2421.4	2384.0	2342.6	2127.5	1189.0	504.9	255.2	202.9	183.9	173.7
52.5°	2606.6	2555.7	2512.3	2471.6	2222.5	1087.2	414.0	221.9	183.9	171.0	160.8
55°	2830.6	2779.7	2710.5	2665.7	2367.7	993.5	354.9	195.4	165.6	157.4	147.3
57.5°	3397.2	3352.4	3269.6	3153.6	2741.0	958.2	321.7	175.1	150.7	145.9	137.8
60°	4386.7	4314.1	4206.2	4088.1	3499.7	982.0	295.2	160.8	140.5	136.4	130.3
62.5°	5133.2	5005.6	4883.4	4774.2	4106.4	981.3	260.6	150.0	133.0	131.0	124.9
65°	5163.7	5034.1	4911.3	4796.6	4120.0	873.4	219.9	140.5	131.7	131.0	120.8
67.5°	4889.5	4749.1	4630.3	4485.8	3813.9	682.7	176.4	134.4	137.1	135.7	119.4
70°	4441.6	4258.4	4160.7	4018.2	3356.5	477.8	145.2	136.4	148.6	144.5	121.5
72.5°	3486.1	3347.7	3199.1	3100.0	2627.7	302.0	122.2	137.8	153.4	146.6	126.9
75°	1297.5	1334.9	1273.8	1252.1	1334.9	177.1	108.6	128.3	137.1	126.9	115.4
77.5°	262.0	250.4	237.5	234.8	303.3	109.3	99.8	111.3	105.2	93.0	93.7
80°	125.5	122.2	118.1	117.4	112.7	90.9	92.3	95.0	79.4	71.9	76.7
82.5°	83.5	78.7	77.4	74.6	76.0	81.4	87.5	81.4	61.1	57.0	69.2
85°	38.7	37.3	36.6	36.6	40.7	73.3	72.6	59.7	42.1	40.7	69.2
87.5°	9.5	9.5	10.2	9.5	10.9	21.7	19.0	18.3	15.6	17.6	32.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P180542

CATALOG NUMBER: ICS-F03-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	647.4	647.4	647.4
2.5°	652.2	652.8	652.2
5°	658.3	658.3	658.3
7.5°	658.3	656.2	655.6
10°	648.8	642.7	642.7
12.5°	632.5	622.3	620.9
15°	601.9	588.4	586.3
17.5°	563.3	544.9	541.5
20°	519.8	496.8	492.7
22.5°	472.3	445.9	443.8
25°	425.5	398.4	392.9
27.5°	373.2	346.8	344.1
30°	321.0	297.9	296.6
32.5°	276.9	262.6	259.9
35°	245.7	237.5	234.1
37.5°	225.3	219.2	218.5
40°	209.7	204.3	203.6
42.5°	196.8	192.1	191.4
45°	183.9	179.8	178.5
47.5°	171.0	166.9	166.3
50°	159.5	154.0	153.4
52.5°	148.6	143.2	141.8
55°	138.4	133.0	133.0
57.5°	129.6	124.2	123.5
60°	121.5	116.0	115.4
62.5°	115.4	108.6	107.9
65°	110.6	103.8	102.5
67.5°	107.9	99.8	97.7
70°	112.7	97.7	94.3
72.5°	113.3	95.7	90.9
75°	109.3	90.3	86.9
77.5°	95.7	80.8	77.4
80°	82.8	62.4	57.7
82.5°	78.7	50.9	44.1
85°	61.1	33.3	31.2
87.5°	34.6	18.3	14.9
90°	0.0	0.0	0.0

(END OF REPORT)