

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: P181303

Luminaire Tested: **ICS-F03-LED-E1-T2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181303
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
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-T2-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6237.7 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - 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



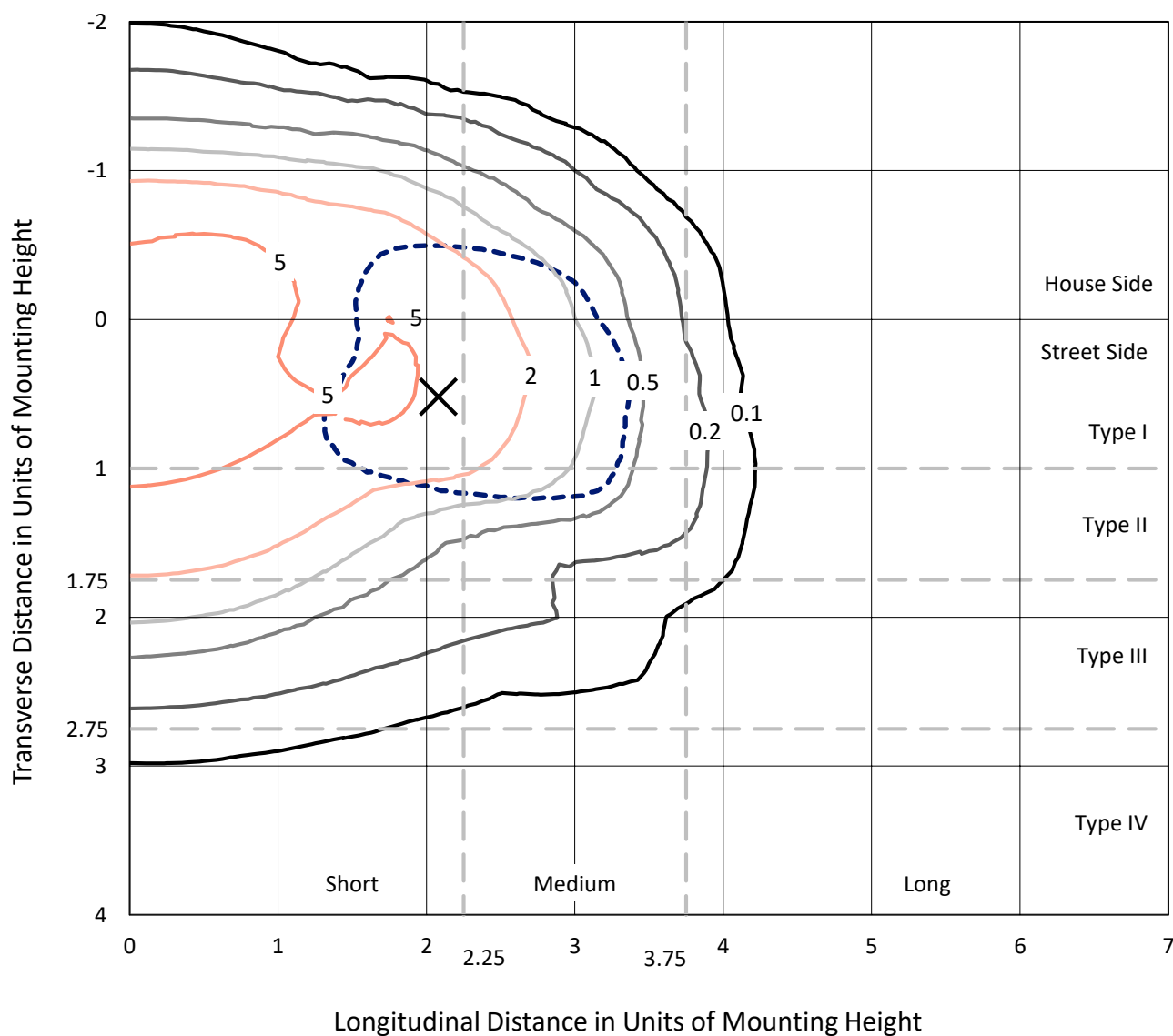
REPORT NUMBER: P181303

CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

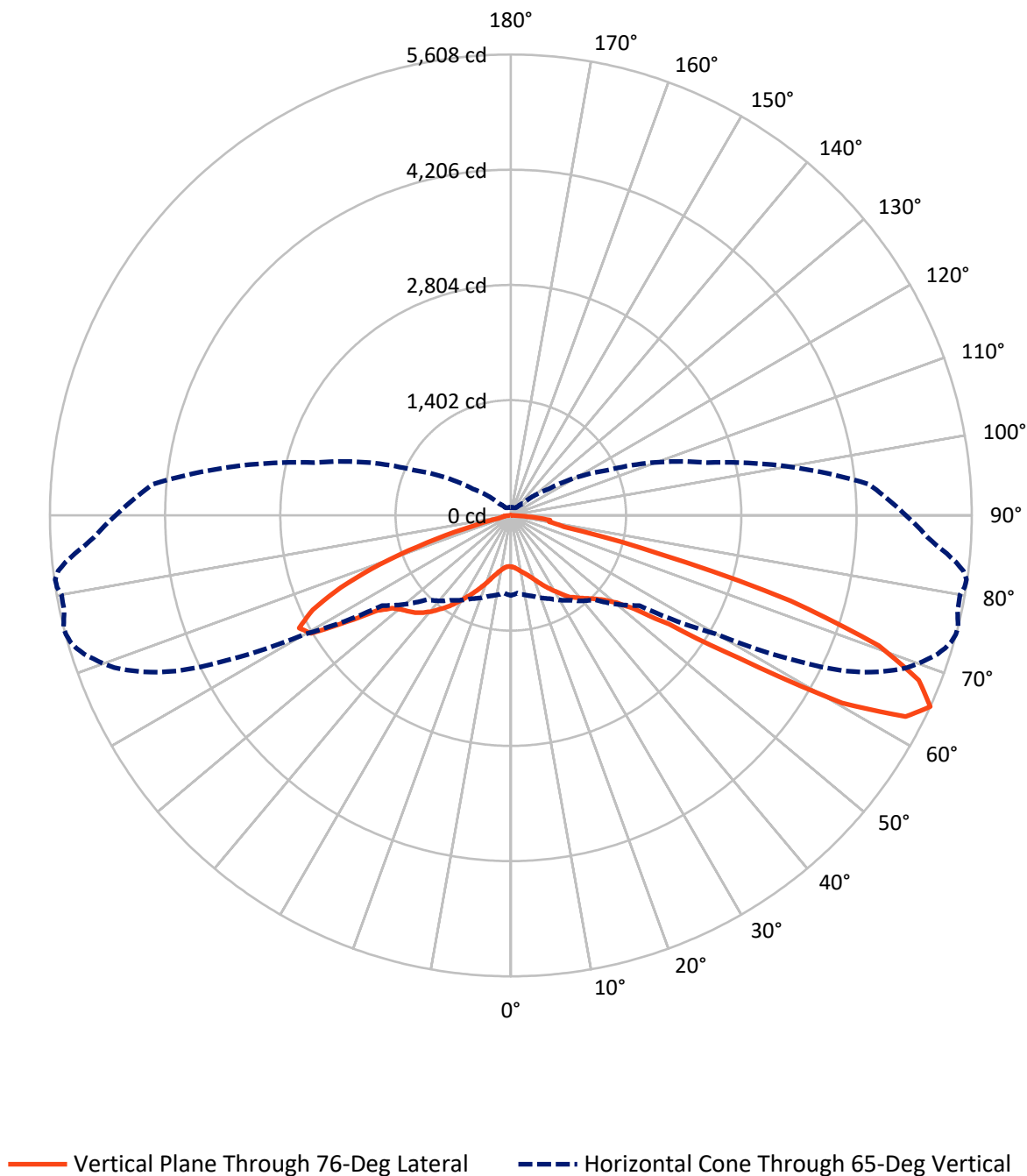


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P181303

CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P181303

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2184.3	0.0	2184.3
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	4053.4	0.0	4053.4
	% Fixture	65.0	0.0	65.0
Total	Lumens	6237.7	0.0	6237.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	1.0
10°-20°	214.5	3.4
20°-30°	421.4	6.8
30°-40°	700.2	11.2
40°-50°	1028.9	16.5
50°-60°	1424.5	22.8
60°-70°	1700.3	27.3
70°-80°	601.3	9.6
80°-90°	84.0	1.3
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°	6237.7	100.0
0°-180°	6237.7	100.0

Coefficient of Utilization



REPORT NUMBER: P181303

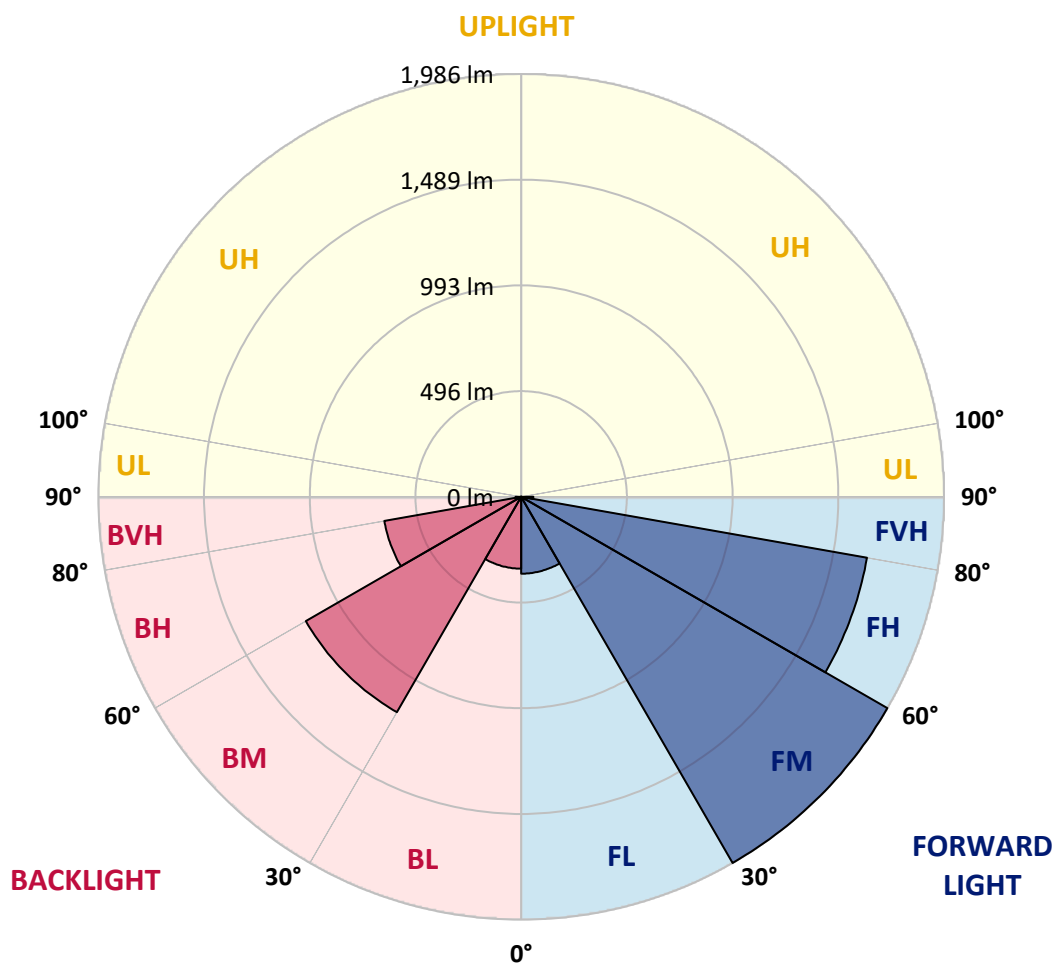
CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	360.9	5.8			
FM	(30°-60°)	1985.9	31.8			
FH	(60°-80°)	1649.2	26.4			G1/1800
FVH	(80°-90°)	57.4	0.9			G1/100
BL	(0°-30°)	337.5	5.4	B1/500		
BM	(30°-60°)	1167.8	18.7	B2/2500		
BH	(60°-80°)	652.4	10.5	B2/1000		G2/1000
BVH	(80°-90°)	26.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P181303

CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7
2.5°	650.8	651.5	650.1	649.4	647.4	644.0	641.3	638.6	638.6	638.6	636.6
5°	679.3	680.7	678.0	675.9	669.8	666.4	661.7	658.3	656.9	656.2	654.2
7.5°	715.3	713.2	709.2	707.8	703.1	695.6	686.8	680.0	680.0	679.3	680.0
10°	751.2	745.8	743.8	741.7	734.3	724.8	714.6	707.1	706.5	705.8	703.7
12.5°	787.2	785.2	783.1	775.7	768.2	753.3	741.7	734.3	733.6	734.3	731.6
15°	834.7	830.0	827.9	815.0	798.7	782.5	768.2	761.4	759.4	760.1	758.0
17.5°	871.4	871.4	866.6	852.4	831.3	808.9	794.0	789.9	789.2	789.2	789.9
20°	900.5	899.9	895.1	883.6	858.5	836.1	828.6	827.3	826.6	826.6	828.6
22.5°	916.8	915.5	913.4	900.5	880.9	865.9	866.6	870.7	872.0	873.4	876.1
25°	925.0	922.9	922.3	913.4	899.2	897.2	909.4	920.2	922.9	925.7	929.0
27.5°	938.5	935.2	936.5	933.1	929.7	935.8	960.9	972.5	974.5	977.9	979.9
30°	975.9	974.5	979.9	981.3	984.0	992.8	1015.9	1026.8	1031.5	1031.5	1041.0
32.5°	1047.1	1047.8	1049.2	1063.4	1068.2	1074.3	1086.5	1095.3	1096.0	1096.7	1105.5
35°	1142.8	1146.9	1158.4	1170.6	1182.2	1181.5	1174.0	1178.8	1175.4	1179.5	1180.1
37.5°	1263.6	1258.2	1275.1	1303.0	1320.6	1315.9	1282.6	1260.9	1267.0	1264.3	1262.3
40°	1356.6	1362.7	1395.3	1431.9	1445.5	1460.4	1417.0	1379.7	1374.2	1364.0	1357.9
42.5°	1484.8	1485.5	1512.0	1539.1	1578.5	1611.1	1583.2	1529.6	1513.3	1501.1	1474.7
45°	1603.6	1601.6	1623.3	1656.5	1703.4	1750.2	1760.4	1702.0	1695.9	1674.2	1639.6
47.5°	1683.0	1680.3	1695.2	1738.7	1814.7	1891.3	1933.4	1915.8	1904.2	1895.4	1841.1
50°	1736.6	1731.2	1748.2	1794.3	1879.1	1997.2	2107.1	2122.1	2117.3	2117.3	2082.7
52.5°	1776.7	1776.7	1788.9	1826.2	1912.4	2059.6	2256.4	2331.8	2337.9	2344.7	2342.6
55°	1754.3	1757.7	1788.2	1842.5	1933.4	2103.1	2380.0	2544.9	2578.8	2607.3	2639.9
57.5°	1677.6	1689.1	1729.8	1818.7	1938.8	2135.7	2517.0	2843.5	2939.2	3021.9	3150.9
60°	1565.6	1580.5	1639.6	1752.9	1898.8	2082.7	2565.2	3095.9	3247.9	3428.4	3765.0
62.5°	1373.5	1388.5	1446.2	1559.5	1684.4	1879.8	2365.7	3133.2	3376.2	3632.0	4141.0
65°	973.2	949.4	1015.9	1117.7	1260.9	1450.2	1911.7	2882.8	3232.3	3579.1	4207.5
67.5°	542.2	540.2	580.9	656.9	794.0	997.6	1317.2	2211.0	2532.7	2925.6	3697.2
70°	373.9	378.0	403.8	485.9	599.2	775.0	938.5	1388.5	1619.9	1886.6	2645.3
72.5°	262.6	271.5	285.7	334.6	450.6	652.8	958.9	830.0	945.3	1127.2	1590.7
75°	154.0	160.2	170.3	194.1	256.5	436.4	992.8	729.5	729.5	772.3	962.3
77.5°	95.0	95.0	101.1	110.6	136.4	213.8	707.1	819.8	796.7	772.3	774.3
80°	48.9	52.3	61.1	65.8	76.0	97.7	317.6	764.8	838.8	888.3	853.7
82.5°	22.4	25.1	37.3	40.0	44.1	51.6	109.3	435.0	582.9	767.5	958.9
85°	11.5	11.5	19.7	24.4	26.5	23.8	40.0	175.8	266.0	405.8	635.2
87.5°	2.0	2.0	3.4	4.1	6.1	5.4	6.8	10.2	17.0	18.3	19.0
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: P181303

CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7
2.5°	635.9	636.6	635.9	635.2	633.8	633.8	633.8	633.2	633.2	633.2	632.5
5°	654.2	651.5	652.2	650.8	650.1	649.4	650.1	648.8	647.4	648.1	647.4
7.5°	677.3	675.9	673.2	673.2	672.5	671.2	671.2	669.1	668.5	667.1	666.4
10°	703.1	699.7	701.0	699.7	700.3	697.6	696.3	694.9	693.6	693.6	694.2
12.5°	729.5	728.8	726.8	725.5	725.5	723.4	724.1	723.4	721.4	720.7	718.7
15°	756.7	756.7	754.6	755.3	754.6	753.3	751.9	751.9	750.6	749.2	749.9
17.5°	788.6	788.6	788.6	788.6	789.2	787.2	787.9	786.5	785.2	787.9	787.9
20°	830.0	832.7	832.7	832.0	835.4	833.4	832.7	836.1	832.7	837.4	836.8
22.5°	877.5	880.2	880.2	882.9	883.6	885.6	887.0	885.6	888.3	891.0	891.0
25°	930.4	933.1	935.2	939.2	941.3	939.9	940.6	944.0	945.3	948.0	950.8
27.5°	986.1	986.7	989.4	994.2	997.6	998.9	999.6	1005.1	1005.7	1007.1	1009.8
30°	1040.3	1047.1	1045.8	1051.9	1053.9	1055.9	1060.0	1062.1	1066.8	1069.5	1069.5
32.5°	1104.1	1102.8	1108.2	1113.0	1116.3	1119.7	1123.1	1125.8	1128.6	1129.9	1136.7
35°	1183.5	1186.2	1186.2	1186.9	1195.1	1195.7	1198.5	1204.6	1206.6	1210.7	1213.4
37.5°	1262.3	1257.5	1256.8	1256.8	1254.1	1256.1	1256.8	1257.5	1260.2	1260.9	1263.6
40°	1350.5	1344.4	1338.9	1335.5	1330.1	1322.7	1321.3	1317.9	1319.9	1319.3	1319.9
42.5°	1471.3	1454.3	1441.4	1431.9	1421.1	1412.9	1406.8	1398.0	1391.9	1384.4	1383.1
45°	1625.3	1593.4	1571.7	1556.1	1540.5	1518.1	1505.2	1491.6	1479.4	1467.2	1457.0
47.5°	1827.6	1793.6	1759.0	1730.5	1706.1	1670.1	1633.5	1613.1	1589.4	1568.3	1553.4
50°	2065.8	2025.0	2008.7	1968.7	1938.2	1883.9	1838.4	1805.2	1757.7	1725.8	1697.9
52.5°	2309.4	2299.2	2290.4	2256.4	2220.5	2189.3	2149.2	2090.9	2042.7	2006.0	1949.0
55°	2641.2	2646.0	2642.6	2624.3	2611.4	2581.5	2565.2	2514.3	2492.6	2439.7	2380.0
57.5°	3199.7	3237.7	3285.9	3304.9	3330.7	3306.3	3334.8	3369.4	3283.2	3313.1	3259.5
60°	3913.0	4087.4	4191.2	4318.8	4402.3	4519.0	4540.0	4570.6	4561.8	4578.7	4613.3
62.5°	4348.7	4555.7	4754.5	4899.0	5053.8	5139.3	5242.4	5314.4	5389.0	5439.2	5425.0
65°	4476.9	4690.0	4870.5	5028.7	5167.1	5271.6	5367.3	5457.6	5526.1	5574.3	5602.8
67.5°	4006.0	4284.2	4474.2	4659.5	4838.0	4947.9	5028.0	5115.5	5216.0	5299.4	5315.7
70°	3014.5	3431.8	3701.3	3923.2	4132.9	4280.8	4392.8	4474.2	4552.3	4612.0	4677.1
72.5°	1885.2	2250.3	2558.4	2846.2	3068.8	3272.4	3366.7	3547.2	3523.5	3568.9	3617.8
75°	1129.9	1307.7	1477.4	1680.3	1797.0	1966.7	1997.2	2027.1	2011.5	1960.6	1998.6
77.5°	785.2	814.4	813.0	801.5	789.2	759.4	720.7	699.7	685.4	665.1	673.2
80°	789.9	726.8	630.4	530.0	437.7	376.6	352.2	352.2	377.3	413.3	449.3
82.5°	944.0	876.8	781.8	654.2	518.5	422.1	357.6	331.9	336.6	373.2	419.4
85°	636.6	651.5	571.4	522.5	414.0	322.3	270.1	219.2	194.1	200.2	226.7
87.5°	23.1	27.8	10.2	13.6	9.5	8.1	8.1	8.8	6.1	7.5	6.8
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: P181303

CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7
2.5°	631.8	631.1	631.1	629.8	629.8	629.1	629.1	628.4	627.7	627.7	627.1
5°	646.7	646.1	644.7	644.0	642.7	642.7	642.0	640.6	640.6	639.3	638.6
7.5°	667.8	666.4	665.1	664.4	663.7	661.7	661.7	660.3	660.3	659.0	658.3
10°	692.9	691.5	690.2	690.8	688.8	688.1	686.8	686.8	684.7	684.1	684.1
12.5°	720.0	719.3	719.3	717.3	716.6	716.0	713.2	713.2	713.2	711.9	712.6
15°	749.2	749.9	747.9	749.9	749.2	747.2	747.2	747.2	744.5	747.9	745.1
17.5°	788.6	790.6	789.2	789.9	788.6	788.6	789.2	788.6	789.9	789.9	794.0
20°	837.4	838.1	841.5	840.1	840.1	839.5	840.8	841.5	844.2	842.9	845.6
22.5°	891.0	894.4	895.1	897.8	897.8	897.2	898.5	901.2	902.6	904.6	903.9
25°	952.1	954.2	956.9	953.5	958.9	958.9	960.3	963.7	964.3	964.3	969.1
27.5°	1009.1	1014.6	1015.2	1018.6	1016.6	1017.9	1022.7	1024.7	1027.4	1027.4	1028.8
30°	1073.6	1075.6	1077.0	1081.1	1080.4	1081.1	1081.7	1085.1	1085.1	1088.5	1091.9
32.5°	1140.1	1141.5	1142.8	1146.9	1148.2	1151.0	1149.6	1152.3	1155.7	1156.4	1158.4
35°	1219.5	1220.9	1222.2	1228.3	1229.0	1233.8	1235.1	1233.8	1239.2	1235.8	1239.2
37.5°	1265.6	1271.8	1273.1	1277.2	1275.8	1279.2	1281.3	1284.0	1285.3	1288.0	1293.5
40°	1322.0	1324.0	1328.1	1330.1	1332.8	1333.5	1336.2	1338.3	1340.3	1346.4	1352.5
42.5°	1379.7	1382.4	1384.4	1387.1	1390.5	1393.2	1395.3	1401.4	1402.7	1406.8	1418.3
45°	1449.6	1448.2	1448.9	1449.6	1450.9	1454.3	1460.4	1466.5	1470.6	1480.1	1489.6
47.5°	1536.4	1527.6	1524.2	1518.8	1520.1	1527.6	1529.0	1539.1	1547.3	1556.1	1567.6
50°	1668.1	1644.3	1630.1	1615.8	1614.5	1618.5	1624.0	1634.8	1644.3	1655.9	1672.1
52.5°	1889.3	1843.8	1815.3	1776.0	1765.1	1763.1	1759.0	1765.1	1767.8	1783.4	1814.0
55°	2337.2	2253.1	2198.8	2137.7	2080.7	2063.7	2031.1	2037.9	2031.1	2040.6	2086.1
57.5°	3272.4	3205.2	3152.2	3074.2	2976.5	2872.6	2846.9	2740.3	2761.3	2822.4	2783.1
60°	4630.3	4605.9	4567.9	4530.5	4396.9	4321.5	4198.7	4185.1	4098.9	4099.6	4043.3
62.5°	5390.4	5421.6	5398.5	5387.7	5380.2	5356.4	5295.4	5222.1	5112.1	5032.7	4916.0
65°	5607.5	5581.1	5556.0	5552.6	5550.5	5589.2	5598.0	5546.5	5446.7	5323.2	5188.8
67.5°	5354.4	5339.5	5340.8	5312.3	5330.0	5397.2	5444.0	5429.7	5338.1	5188.8	5017.8
70°	4751.8	4722.6	4752.5	4789.8	4816.2	4854.9	4901.8	4913.3	4829.8	4676.4	4502.0
72.5°	3558.1	3562.8	3591.3	3601.5	3708.0	3697.2	3739.3	3602.2	3541.8	3395.9	3306.3
75°	1872.3	1841.8	1921.2	1752.9	1683.7	1731.9	1596.8	1467.2	1494.3	1516.7	1355.2
77.5°	661.7	618.9	546.3	517.1	430.3	364.4	297.9	268.7	253.1	245.0	234.8
80°	475.0	488.6	473.7	438.4	372.6	298.6	235.5	185.9	159.5	145.2	135.7
82.5°	480.5	534.1	557.8	547.7	487.9	369.2	243.6	155.4	115.4	96.4	89.6
85°	257.9	282.3	271.5	228.7	205.6	122.8	84.2	56.3	47.5	43.4	40.0
87.5°	10.2	8.1	6.8	6.8	7.5	8.1	6.8	7.5	6.8	6.8	6.8
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: P181303

CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7	623.7
2.5°	625.7	625.7	625.7	625.0	623.7	620.3	616.9	614.2	612.1	610.1	607.4
5°	637.9	636.6	636.6	636.6	631.1	625.7	620.9	616.2	612.1	608.7	606.0
7.5°	658.3	657.6	654.9	654.2	650.1	641.3	635.9	627.7	623.0	618.2	616.9
10°	682.7	682.0	681.3	680.7	675.2	666.4	659.6	652.2	645.4	638.6	631.8
12.5°	711.2	710.5	709.8	707.8	705.8	701.0	693.6	685.4	677.3	663.0	655.6
15°	746.5	747.9	746.5	745.8	744.5	745.1	740.4	728.8	716.0	697.6	682.0
17.5°	793.3	792.0	791.3	794.0	793.3	796.7	795.4	780.4	760.7	731.6	704.4
20°	844.9	844.9	847.6	849.6	855.8	864.6	860.5	842.2	806.2	765.5	730.2
22.5°	906.7	908.0	910.7	909.4	918.9	933.1	934.5	908.7	861.9	805.5	756.0
25°	971.1	972.5	969.8	973.8	989.4	1009.8	1013.9	977.2	915.5	842.2	777.7
27.5°	1032.2	1033.6	1033.6	1039.0	1053.9	1088.5	1092.6	1051.9	969.8	874.1	793.3
30°	1091.9	1097.3	1098.7	1100.1	1122.5	1170.6	1179.5	1120.4	1017.3	897.8	804.2
32.5°	1167.2	1169.3	1172.0	1175.4	1201.2	1260.2	1260.2	1179.5	1047.8	912.8	806.2
35°	1248.0	1248.7	1254.8	1255.5	1292.1	1351.2	1339.6	1228.3	1069.5	909.4	791.3
37.5°	1296.9	1299.6	1305.7	1313.8	1352.5	1436.0	1409.5	1270.4	1073.6	887.0	757.4
40°	1357.3	1362.7	1368.8	1376.9	1434.6	1522.2	1468.6	1296.9	1056.6	842.9	706.5
42.5°	1422.4	1429.9	1439.4	1454.3	1522.8	1598.2	1513.3	1300.9	1017.9	793.3	646.1
45°	1495.7	1509.3	1520.1	1537.8	1615.1	1664.0	1540.5	1277.2	969.1	728.2	581.6
47.5°	1580.5	1591.4	1610.4	1629.4	1706.8	1708.8	1543.2	1231.0	902.6	663.0	513.0
50°	1685.0	1691.8	1720.3	1731.9	1804.5	1755.6	1523.5	1168.6	832.7	589.7	437.0
52.5°	1824.2	1833.7	1870.3	1888.0	1939.5	1819.4	1495.7	1100.7	752.6	507.6	359.0
55°	2099.0	2140.4	2166.2	2196.7	2230.0	1964.0	1483.5	1028.1	662.3	412.6	284.3
57.5°	2870.6	2857.0	2914.0	2983.3	2982.6	2294.5	1556.8	965.7	555.8	315.6	218.5
60°	4020.2	4033.1	4003.9	4045.3	3913.7	2704.3	1657.2	899.9	435.7	234.8	166.9
62.5°	4874.6	4800.0	4758.6	4709.7	4419.9	2749.1	1583.9	764.8	316.9	164.9	128.3
65°	5076.8	4989.3	4900.4	4807.4	4370.4	2478.4	1299.6	561.2	204.9	113.3	101.8
67.5°	4877.3	4736.8	4623.5	4527.8	4004.6	2054.2	950.1	344.7	117.4	91.6	86.9
70°	4360.2	4204.8	4021.6	3914.3	3372.1	1514.0	608.7	185.9	90.3	81.4	79.4
72.5°	3191.6	3064.0	2863.8	2741.0	2421.4	920.2	340.0	104.5	84.2	78.0	75.3
75°	1243.3	1176.7	1093.3	1100.1	982.0	407.2	154.0	90.3	82.1	76.7	74.0
77.5°	213.8	208.3	192.7	192.7	219.2	148.6	102.5	90.9	81.4	75.3	70.6
80°	128.3	125.5	119.4	118.1	114.0	104.5	98.4	92.3	80.1	71.3	65.1
82.5°	84.2	80.8	78.7	78.0	84.8	91.6	92.3	91.6	76.0	61.8	52.9
85°	36.0	36.0	36.0	36.6	48.9	74.0	76.0	81.4	62.4	48.2	38.0
87.5°	6.1	7.5	7.5	8.1	8.8	16.3	20.4	26.5	21.0	20.4	18.3
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: P181303

CATALOG NUMBER: ICS-F03-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	623.7	623.7	623.7
2.5°	606.7	605.3	605.3
5°	604.7	603.3	604.0
7.5°	612.8	610.1	610.8
10°	627.7	625.0	623.7
12.5°	646.7	643.3	643.3
15°	666.4	658.3	657.6
17.5°	682.7	672.5	671.2
20°	701.0	687.5	685.4
22.5°	718.0	699.7	697.0
25°	730.2	707.8	704.4
27.5°	735.6	709.2	706.5
30°	739.7	709.8	705.8
32.5°	735.6	703.7	700.3
35°	713.2	678.6	676.6
37.5°	674.6	635.9	633.2
40°	623.7	582.9	576.2
42.5°	558.5	520.5	513.0
45°	495.4	452.0	448.6
47.5°	427.5	386.1	388.2
50°	356.3	319.0	318.3
52.5°	288.4	255.8	253.8
55°	227.3	204.3	202.2
57.5°	179.8	167.6	165.6
60°	146.6	140.5	138.4
62.5°	118.1	116.0	115.4
65°	98.4	98.4	98.4
67.5°	85.5	86.2	86.2
70°	78.7	79.4	78.7
72.5°	76.0	78.0	78.0
75°	74.0	75.3	72.6
77.5°	72.6	73.3	68.5
80°	71.9	71.3	62.4
82.5°	62.4	60.4	52.9
85°	57.0	43.4	36.6
87.5°	29.2	20.4	15.6
90°	0.0	0.0	0.0

(END OF REPORT)