

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: P181502

Luminaire Tested: **ICS-F03-LED-E1-T3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181502  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
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-T3-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5801.7 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

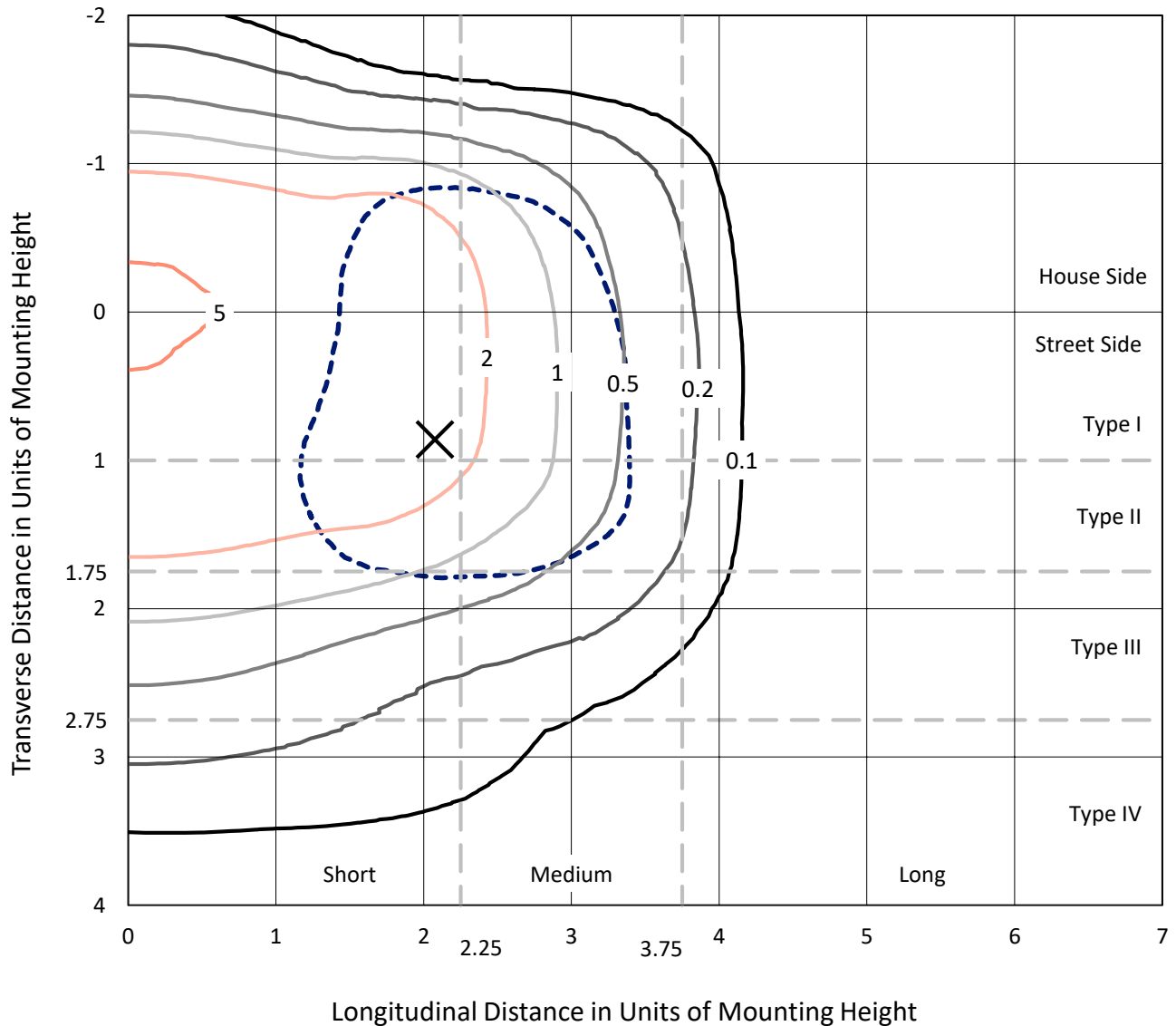
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P181502  
 CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

### Iso-Footcandle Lines of Horizontal Illumination

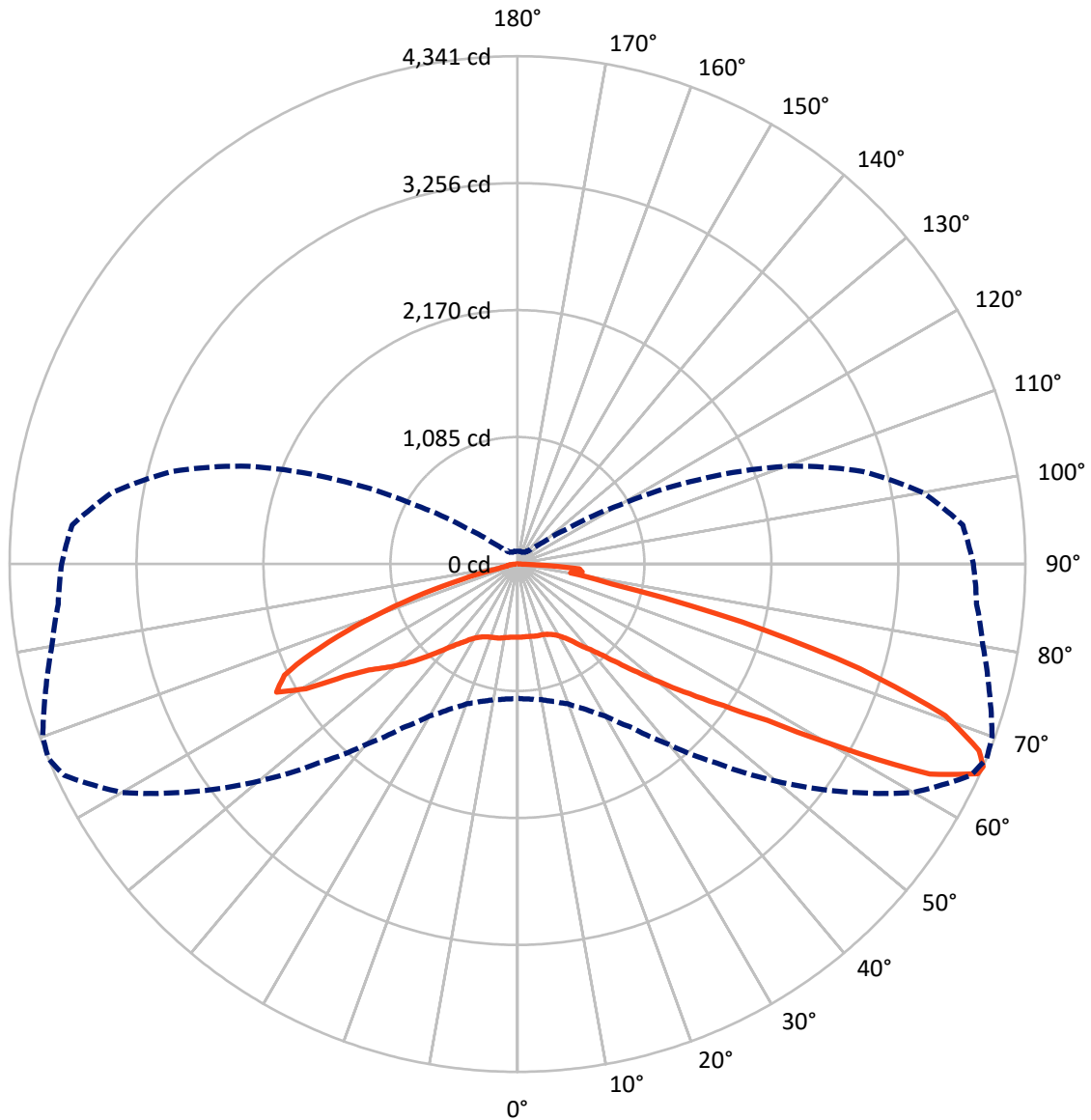
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P181502  
CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P181502

CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2003.5	0.0	2003.5
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	3798.2	0.0	3798.2
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	5801.7	0.0	5801.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.9	1.0
10°-20°	176.7	3.0
20°-30°	303.7	5.2
30°-40°	493.2	8.5
40°-50°	823.4	14.2
50°-60°	1296.5	22.3
60°-70°	1767.9	30.5
70°-80°	765.3	13.2
80°-90°	115.1	2.0
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°	5801.7	100.0
0°-180°	5801.7	100.0



REPORT NUMBER: P181502

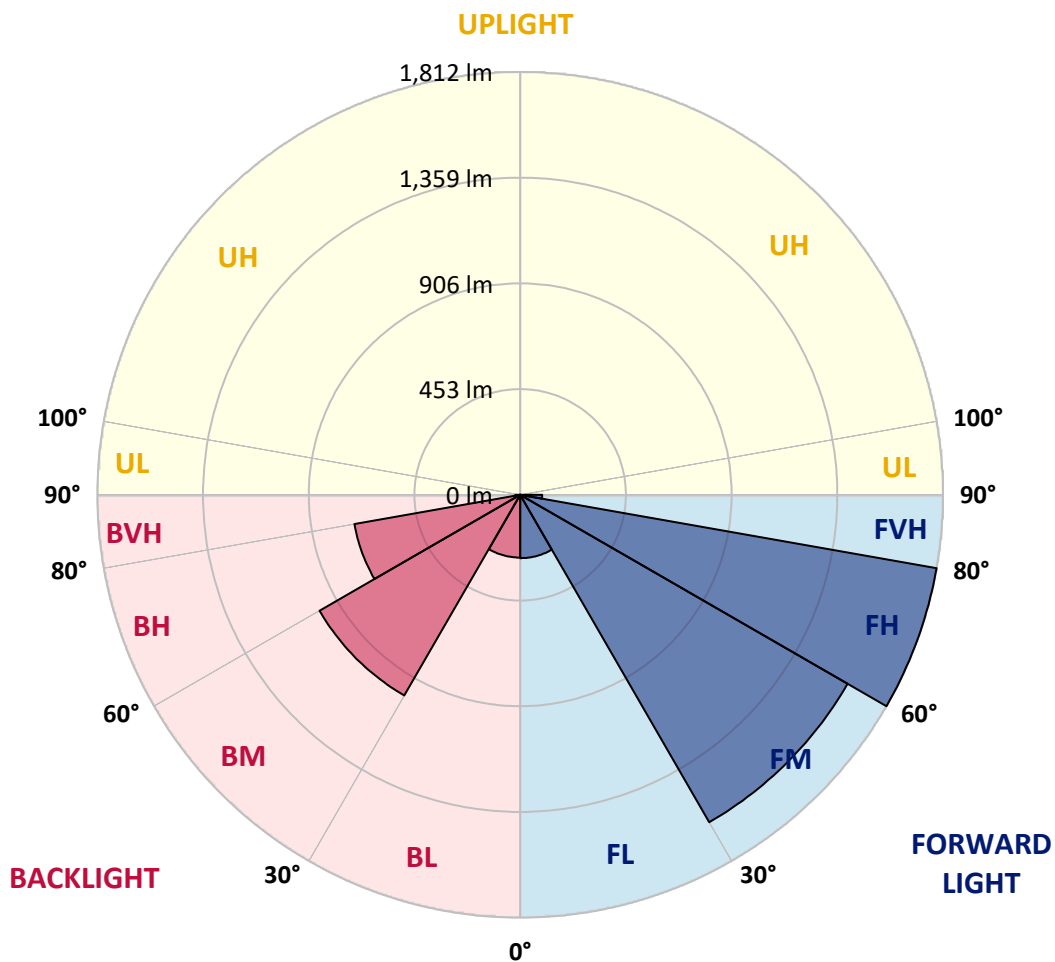
CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.4	4.7			
FM (30°-60°)	1620.2	27.9			
FH (60°-80°)	1812.1	31.2			G2/5000
FVH (80°-90°)	94.5	1.6			G1/100
BL (0°-30°)	268.9	4.6	B1/500		
BM (30°-60°)	992.8	17.1	B1/1000		
BH (60°-80°)	721.2	12.4	B2/1000		G2/1000
BVH (80°-90°)	20.6	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 III Short





REPORT NUMBER: P181502

CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2
2.5°	627.7	630.2	627.7	628.4	629.0	628.4	627.7	627.7	625.8	627.1	628.4
5°	625.2	627.1	626.5	627.1	627.7	627.1	626.5	627.1	625.8	626.5	628.4
7.5°	622.1	621.5	622.1	623.3	624.6	624.6	624.6	625.2	624.6	624.6	626.5
10°	612.7	613.3	614.6	616.4	617.1	618.9	618.9	620.8	621.5	622.7	625.2
12.5°	600.8	601.4	602.6	603.9	607.0	610.2	610.2	614.6	616.4	619.6	624.0
15°	592.0	592.6	593.9	595.1	597.6	600.8	602.6	607.7	610.8	616.4	622.7
17.5°	597.0	596.4	597.6	598.2	598.2	600.8	600.8	604.5	608.3	613.3	621.5
20°	611.4	611.4	612.7	612.7	612.0	613.3	610.8	610.8	611.4	613.9	619.6
22.5°	625.8	625.2	627.7	629.0	629.6	631.5	629.0	628.4	625.2	623.3	625.2
25°	639.6	639.0	642.1	644.0	647.2	649.0	649.0	649.0	646.5	643.4	641.5
27.5°	661.0	661.0	664.1	666.0	668.5	672.2	674.1	674.1	674.8	670.4	667.2
30°	696.7	697.3	698.0	700.5	703.0	704.2	706.7	708.6	710.5	708.0	703.0
32.5°	739.3	735.6	735.6	739.3	742.5	746.2	747.5	750.0	753.8	751.9	751.3
35°	790.1	788.9	787.6	788.9	792.6	797.0	802.1	806.4	803.9	807.7	805.8
37.5°	865.4	866.6	867.3	867.3	866.6	867.9	870.4	874.8	873.5	874.8	877.3
40°	989.6	985.2	980.8	981.4	975.1	976.4	966.4	970.7	971.4	967.0	968.9
42.5°	1113.7	1116.2	1118.1	1123.1	1118.7	1116.2	1106.8	1106.8	1101.8	1097.4	1096.2
45°	1247.9	1252.9	1253.6	1263.6	1259.8	1268.0	1274.9	1273.0	1264.9	1264.2	1255.4
47.5°	1355.2	1363.3	1372.1	1384.0	1393.4	1411.6	1432.9	1443.6	1449.8	1454.9	1444.8
50°	1435.4	1439.2	1461.8	1480.6	1501.3	1531.4	1560.8	1599.1	1629.8	1644.2	1658.0
52.5°	1478.7	1488.1	1512.6	1542.0	1578.4	1623.6	1671.2	1732.0	1784.7	1819.8	1851.2
55°	1488.1	1497.5	1525.1	1562.7	1612.3	1673.1	1741.4	1824.2	1903.2	1971.0	2036.8
57.5°	1461.8	1472.4	1501.9	1545.2	1603.5	1677.5	1763.4	1871.9	1981.0	2090.7	2187.9
60°	1413.5	1426.6	1453.6	1496.3	1560.8	1644.2	1747.1	1883.2	2036.2	2204.2	2390.5
62.5°	1333.8	1347.6	1372.7	1419.7	1486.2	1578.4	1697.5	1866.9	2083.2	2347.8	2678.3
65°	1205.9	1212.2	1242.9	1290.6	1349.5	1451.1	1582.2	1786.6	2068.2	2436.3	2891.5
66°	1148.2	1158.9	1177.7	1215.9	1272.4	1367.7	1499.4	1707.0	2011.1	2405.5	2885.9
67.5°	1057.9	1066.1	1078.6	1104.3	1138.8	1209.0	1333.8	1530.1	1836.8	2250.0	2766.1
70°	855.4	859.1	876.1	884.8	896.7	919.9	965.1	1078.0	1316.9	1705.1	2232.5
72.5°	583.2	593.9	612.0	637.1	669.7	701.1	722.4	736.8	788.3	1017.1	1487.5
75°	427.7	439.0	462.2	495.4	552.5	617.7	685.4	716.8	695.4	666.0	828.4
77.5°	248.3	263.4	282.8	314.8	367.5	454.0	570.0	672.9	742.5	746.9	709.2
80°	104.7	106.6	118.5	134.8	167.4	228.3	318.6	466.6	620.8	724.9	749.4
82.5°	23.8	29.5	37.6	44.5	54.6	75.3	111.6	185.6	335.5	526.1	686.0
85°	8.8	8.8	11.9	17.6	20.1	22.6	29.5	47.0	80.3	148.0	308.5
87.5°	0.0	0.6	1.3	1.3	2.5	3.1	5.0	6.9	6.3	5.6	18.8
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: P181502

CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2
2.5°	627.1	626.5	625.2	625.2	625.2	625.2	624.0	624.6	623.3	624.0	624.0
5°	626.5	626.5	625.8	624.6	625.2	625.2	625.8	624.6	624.6	625.2	624.6
7.5°	626.5	625.8	625.8	625.8	626.5	625.8	626.5	626.5	626.5	627.1	627.1
10°	626.5	626.5	627.7	628.4	628.4	629.0	630.9	630.9	631.5	632.1	633.4
12.5°	627.1	629.6	631.5	633.4	634.0	635.2	638.4	638.4	639.6	641.5	642.1
15°	627.7	631.5	635.2	636.5	637.8	640.3	643.4	644.7	646.5	648.4	649.7
17.5°	627.1	632.1	636.5	638.4	640.3	643.4	647.2	648.4	650.9	653.4	655.9
20°	626.5	633.4	640.3	642.8	645.3	649.7	654.7	657.8	660.3	664.1	666.6
22.5°	630.2	638.4	647.8	651.6	655.9	661.6	668.5	672.2	675.4	679.1	681.0
25°	642.1	648.4	659.7	666.0	671.6	681.0	690.4	694.8	698.6	701.7	702.3
27.5°	662.2	664.1	677.9	686.0	694.2	709.2	720.5	723.7	730.6	733.1	732.4
30°	694.8	691.7	703.0	715.5	727.4	748.1	761.9	770.1	776.3	776.3	771.3
32.5°	741.9	736.8	740.0	754.4	768.2	798.3	814.6	825.3	829.6	828.4	817.7
35°	803.3	800.2	798.3	809.6	831.5	866.6	888.0	893.6	900.5	899.3	885.5
37.5°	876.1	873.5	873.5	886.7	908.0	960.1	983.3	987.0	986.4	976.4	950.7
40°	962.0	960.7	955.1	962.6	980.8	1048.5	1079.9	1084.9	1078.0	1061.7	1031.6
42.5°	1085.5	1078.0	1060.4	1064.8	1078.6	1144.5	1185.2	1199.0	1192.1	1175.8	1126.9
45°	1246.7	1238.5	1209.0	1205.3	1212.8	1270.5	1323.2	1326.3	1325.1	1304.4	1246.7
47.5°	1436.1	1423.5	1392.2	1382.1	1379.6	1432.9	1483.7	1488.7	1485.6	1454.9	1377.7
50°	1641.1	1622.9	1602.2	1595.3	1585.3	1623.6	1675.0	1675.6	1663.1	1620.4	1548.3
52.5°	1860.0	1853.7	1849.9	1843.0	1838.6	1871.9	1903.2	1884.4	1865.6	1821.1	1758.4
55°	2080.7	2106.4	2132.8	2135.3	2142.8	2178.5	2177.9	2126.5	2112.7	2088.2	2026.1
57.5°	2315.2	2410.6	2493.3	2519.0	2544.1	2610.6	2604.3	2553.5	2536.0	2505.9	2454.5
60°	2634.4	2891.5	3130.5	3187.5	3227.0	3306.7	3299.2	3220.8	3257.1	3254.6	3188.2
62.5°	3081.6	3509.2	3867.3	3955.1	3982.7	3991.5	3943.8	3859.1	3894.9	3935.0	3730.6
65°	3384.4	3887.4	4254.8	4322.6	4326.3	4221.6	4115.6	4015.9	4007.1	3972.7	3680.4
66°	3391.3	3906.2	4274.9	4340.8	4317.6	4174.6	4040.4	3940.0	3896.8	3820.9	3518.0
67.5°	3269.7	3788.9	4185.9	4255.5	4204.7	4002.1	3817.1	3688.0	3603.3	3480.4	3213.2
70°	2746.1	3260.9	3750.0	3879.8	3896.1	3593.9	3337.4	3185.6	3071.5	2902.8	2672.7
72.5°	2041.8	2507.1	2938.6	3062.7	3126.1	2884.6	2668.3	2552.9	2396.8	2219.3	2055.6
75°	1279.9	1608.5	1897.6	1984.8	1925.2	1738.3	1608.5	1560.2	1406.6	1300.6	1226.0
77.5°	731.8	834.7	857.9	824.6	754.4	577.6	410.7	304.1	264.0	292.2	322.3
80°	714.3	654.7	521.7	459.0	415.8	286.0	168.1	115.4	95.9	98.5	106.6
82.5°	773.8	830.3	683.5	557.5	467.8	316.1	174.3	92.8	62.7	74.0	83.4
85°	502.9	699.8	630.2	531.2	430.2	270.3	143.6	48.3	32.0	42.0	57.7
87.5°	50.8	55.8	47.7	64.6	48.3	22.6	11.3	6.9	6.3	7.5	11.3
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: P181502

CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2
2.5°	624.6	624.6	625.2	625.8	626.5	627.1	627.1	627.1	627.1	628.4	627.7
5°	625.8	627.1	628.4	629.0	630.2	630.2	632.1	631.5	631.5	633.4	634.0
7.5°	628.4	630.2	632.7	632.1	634.6	634.0	635.2	635.2	633.4	634.0	632.7
10°	634.0	636.5	637.8	635.9	636.5	634.0	633.4	630.2	626.5	624.6	622.1
12.5°	643.4	645.9	645.9	642.8	639.0	633.4	629.0	622.1	616.4	613.3	610.2
15°	651.6	654.1	653.4	648.4	642.8	634.0	627.7	619.6	611.4	606.4	603.3
17.5°	657.8	659.1	657.2	650.3	644.0	635.9	629.6	620.8	611.4	605.1	599.5
20°	667.2	666.0	661.6	652.8	645.9	638.4	633.4	625.8	615.2	607.0	598.9
22.5°	681.0	676.0	667.9	658.5	651.6	644.7	639.6	631.5	620.8	610.8	601.4
25°	699.2	689.2	677.9	667.9	661.6	654.1	648.4	639.6	628.4	617.1	605.8
27.5°	725.6	708.0	693.6	684.8	677.9	668.5	661.6	650.3	638.4	625.2	612.7
30°	755.0	731.2	717.4	710.5	703.0	692.9	682.3	667.9	654.1	639.6	624.6
32.5°	793.3	764.4	751.3	744.4	734.3	721.8	709.2	692.9	673.5	654.7	636.5
35°	843.4	814.0	800.2	789.5	775.7	759.4	741.2	719.3	692.9	667.9	644.7
37.5°	897.4	865.4	852.2	840.9	820.2	798.9	773.2	741.2	705.5	672.2	643.4
40°	965.7	936.3	919.3	899.9	875.4	838.4	798.3	751.9	706.1	665.3	631.5
42.5°	1052.3	1022.8	997.7	967.0	924.3	867.3	810.2	750.0	694.8	648.4	612.0
45°	1167.0	1131.3	1088.0	1034.1	965.1	885.5	810.8	738.1	673.5	622.1	583.2
47.5°	1307.5	1252.9	1182.1	1091.1	992.1	890.5	800.8	714.3	640.3	584.5	541.2
50°	1474.3	1388.4	1271.8	1138.2	1005.9	883.0	775.7	678.5	593.2	533.7	482.2
52.5°	1664.9	1524.5	1352.6	1172.0	1005.2	857.9	733.1	624.6	531.8	465.3	416.4
55°	1888.8	1680.0	1436.1	1197.1	987.7	811.5	667.9	548.7	455.9	394.4	349.3
57.5°	2216.8	1932.1	1581.5	1236.0	952.6	740.0	579.4	457.8	376.3	317.9	279.7
60°	2816.3	2352.9	1843.7	1314.4	898.6	635.2	476.0	360.6	292.2	245.2	219.5
62.5°	3267.8	2678.3	1985.4	1296.8	790.1	506.1	353.1	262.8	215.1	183.1	166.8
65°	3203.2	2577.4	1834.3	1116.9	619.6	356.8	234.5	178.7	148.0	132.9	123.5
66°	3057.1	2445.7	1703.2	1005.2	535.5	296.6	193.1	149.9	127.3	116.6	110.4
67.5°	2779.9	2201.1	1468.7	824.0	411.4	215.1	145.5	118.5	103.5	99.1	94.7
70°	2310.8	1755.2	1030.9	479.7	210.1	119.8	92.2	82.8	79.0	78.4	77.1
72.5°	1770.9	1242.3	607.0	227.0	109.1	79.6	71.5	68.4	67.1	67.1	67.7
75°	1085.5	698.0	268.4	111.0	76.5	67.1	63.3	62.1	61.5	62.1	61.5
77.5°	362.5	222.0	114.8	84.0	69.6	62.1	59.6	58.3	58.3	58.3	58.3
80°	111.0	96.6	87.8	77.8	65.8	58.9	55.2	54.6	55.2	55.8	53.9
82.5°	83.4	79.0	74.0	69.0	59.6	52.7	51.4	51.4	51.4	49.5	47.0
85°	61.5	60.8	50.2	47.0	43.9	43.9	43.9	43.9	42.0	38.9	36.4
87.5°	11.3	10.7	11.3	11.9	17.6	18.8	18.8	20.1	21.9	20.7	20.7
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: P181502

CATALOG NUMBER: ICS-F03-LED-E1-T3-8030

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
0°	625.2	625.2	625.2	625.2	625.2
2.5°	627.7	627.1	629.0	627.7	628.4
5°	633.4	632.7	634.0	632.7	634.6
7.5°	631.5	630.2	629.6	630.2	630.9
10°	618.3	617.1	616.4	615.8	616.4
12.5°	607.0	604.5	604.5	603.3	603.9
15°	598.9	597.0	596.4	595.1	595.7
17.5°	595.1	592.0	590.7	589.5	589.5
20°	592.6	588.8	587.0	585.7	585.1
22.5°	592.6	587.0	584.5	583.2	582.6
25°	595.1	588.2	584.5	582.6	581.9
27.5°	600.1	591.4	587.0	584.5	584.5
30°	608.9	597.6	591.4	588.2	587.6
32.5°	617.7	602.6	593.9	590.1	588.8
35°	622.1	602.6	592.0	585.7	584.5
37.5°	617.1	594.5	581.3	571.9	570.0
40°	601.4	577.6	563.1	554.4	553.1
42.5°	580.7	557.5	540.6	534.3	532.4
45°	552.5	524.9	507.9	499.2	499.8
47.5°	504.2	476.0	460.9	452.8	454.0
50°	447.1	419.5	406.4	397.6	399.5
52.5°	384.4	359.3	346.8	342.4	341.1
55°	318.6	299.1	290.3	285.3	283.4
57.5°	258.4	244.6	238.3	232.0	232.7
60°	203.8	196.9	195.0	188.1	187.5
62.5°	160.5	156.1	154.3	149.2	149.9
65°	121.7	120.4	121.7	118.5	119.8
66°	109.7	110.4	110.4	108.5	109.7
67.5°	94.7	95.9	97.8	95.9	97.2
70°	78.4	79.6	80.9	80.9	80.9
72.5°	68.4	69.6	70.2	70.2	70.2
75°	62.7	63.3	64.0	62.7	62.7
77.5°	58.9	58.9	57.7	57.1	56.4
80°	53.3	52.7	50.8	49.5	49.5
82.5°	44.5	43.3	42.0	40.1	40.1
85°	33.9	32.6	31.4	28.8	27.6
87.5°	17.6	18.2	17.6	14.4	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)