

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: P181493

Luminaire Tested: **ICS-F02-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181493
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-F02-LED-E1-T3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4185.7 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 55
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



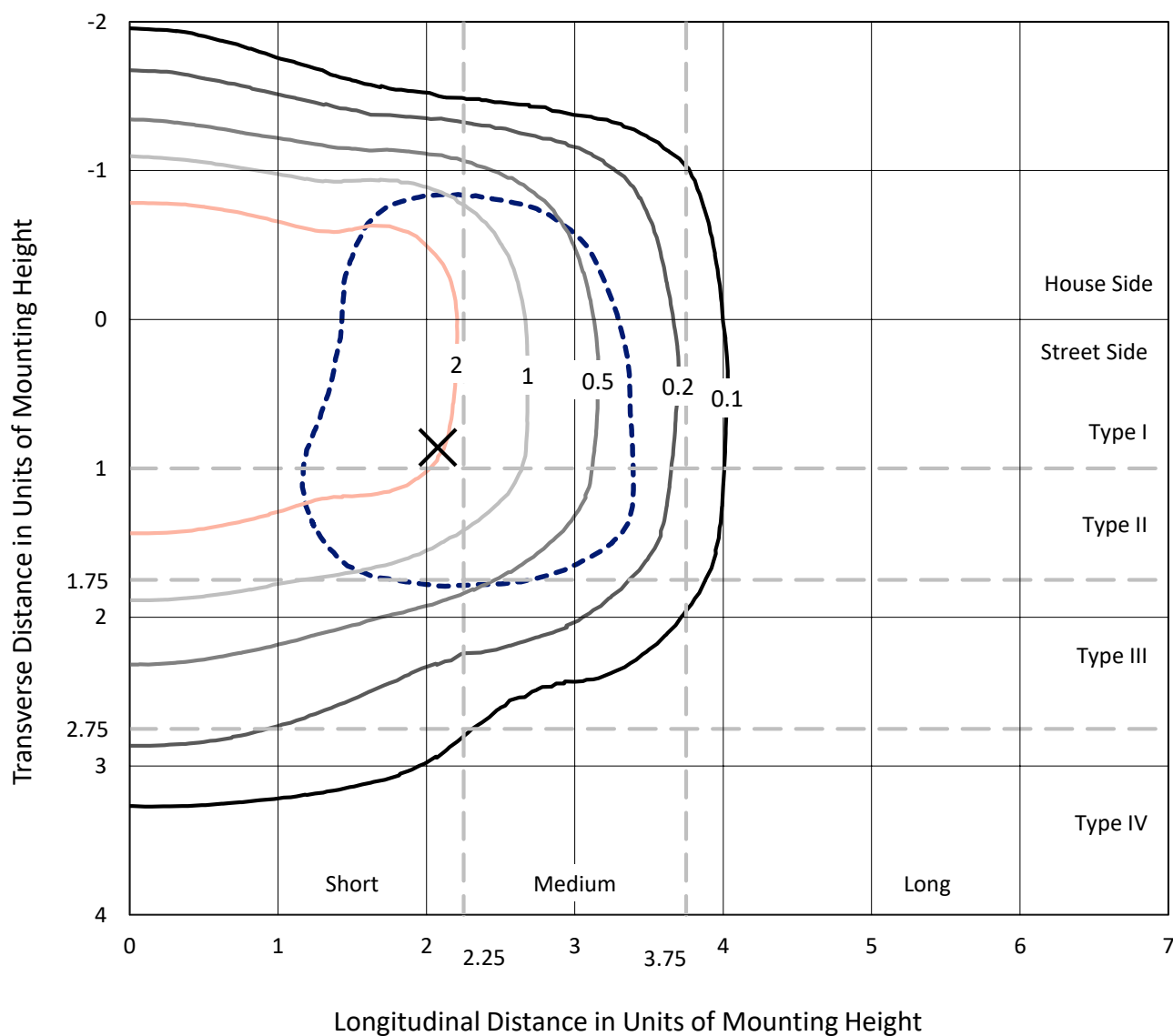
REPORT NUMBER: P181493

CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

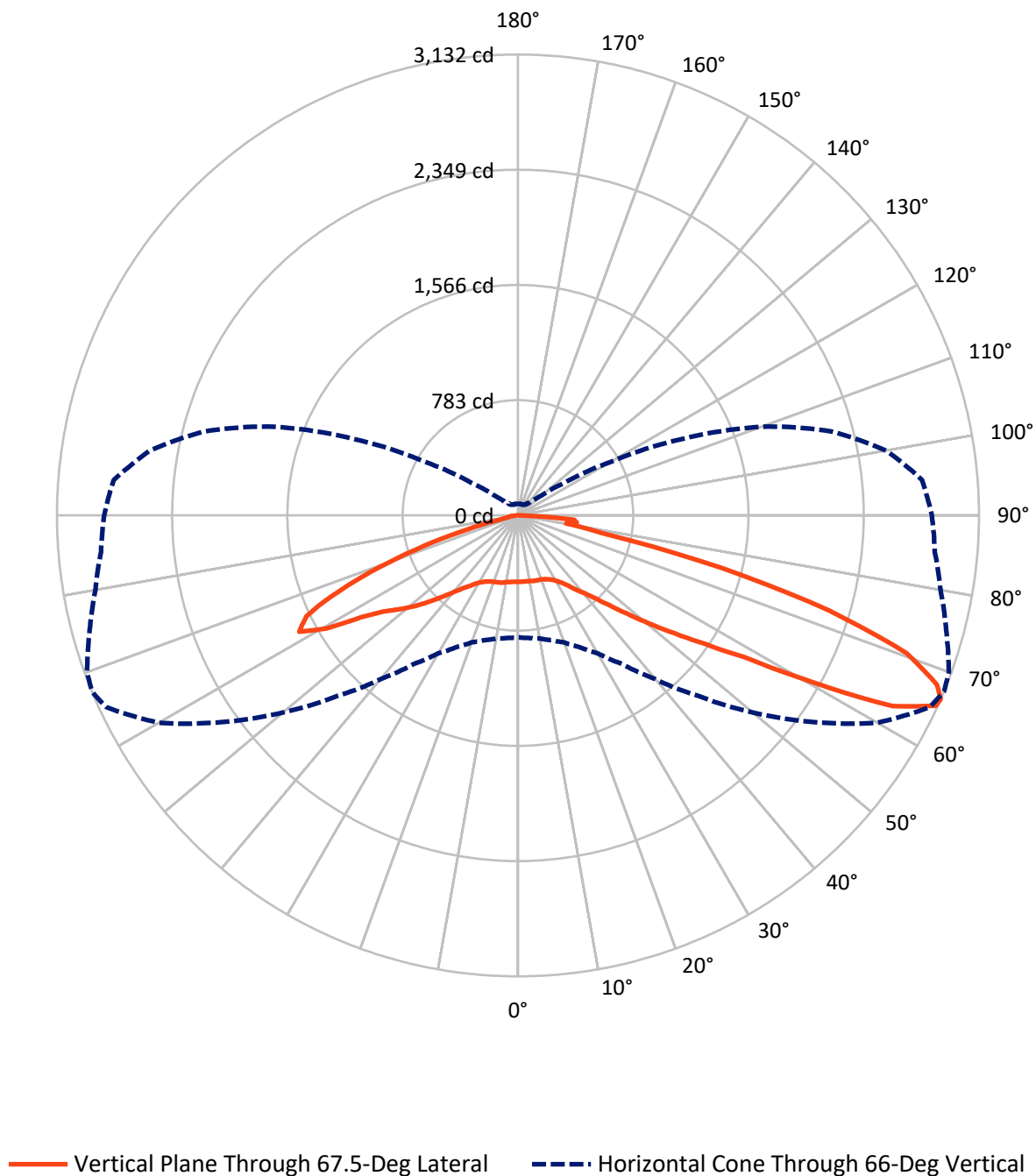


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P181493

CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P181493

CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1445.4	0.0	1445.4
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	2740.2	0.0	2740.2
	% Fixture	65.5	0.0	65.5
Total	Lumens	4185.7	0.0	4185.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.0
10°-20°	127.5	3.0
20°-30°	219.1	5.2
30°-40°	355.8	8.5
40°-50°	594.0	14.2
50°-60°	935.4	22.3
60°-70°	1275.5	30.5
70°-80°	552.1	13.2
80°-90°	83.0	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°	4185.7	100.0
0°-180°	4185.7	100.0

Coefficient of Utilization



REPORT NUMBER: P181493

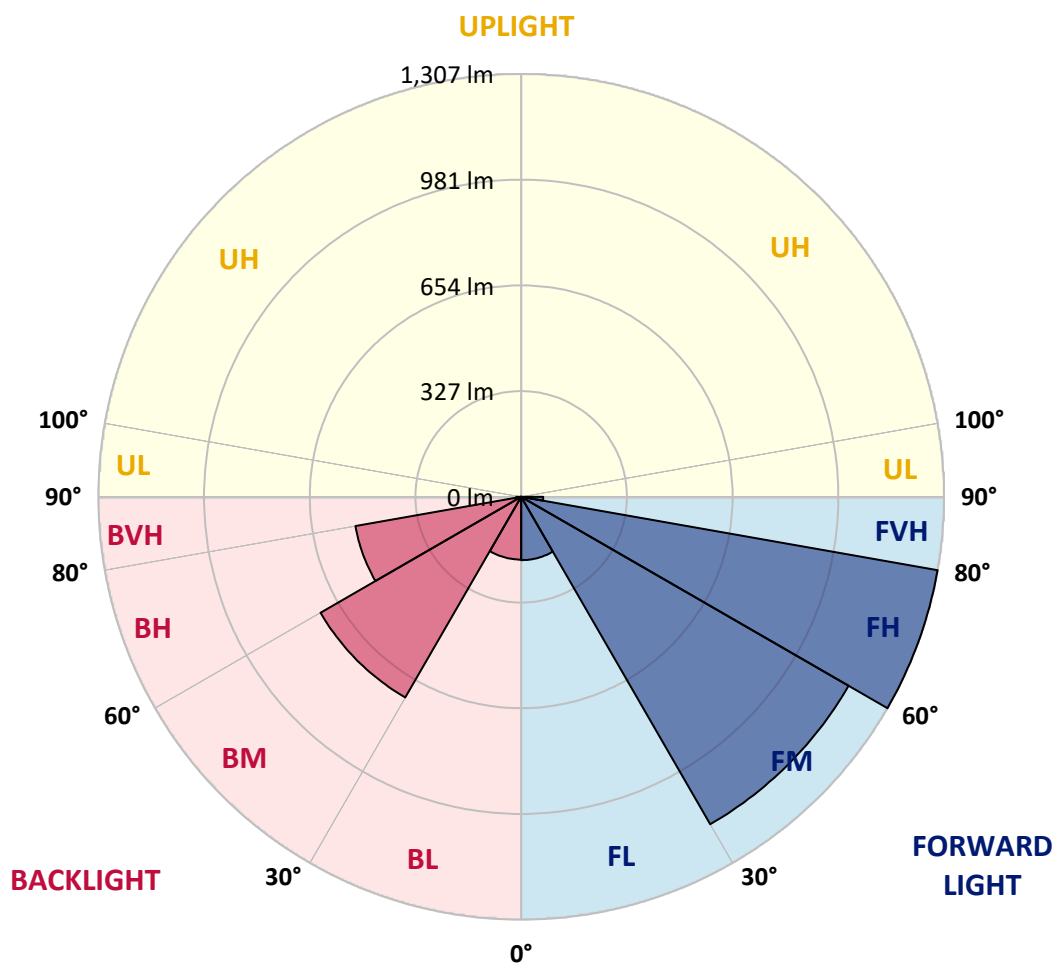
CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.8	4.7			
FM	(30°-60°)	1168.9	27.9			
FH	(60°-80°)	1307.3	31.2			G1/1800
FVH	(80°-90°)	68.2	1.6			G1/100
BL	(0°-30°)	194.0	4.6	B1/500		
BM	(30°-60°)	716.3	17.1	B1/1000		
BH	(60°-80°)	520.3	12.4	B2/1000		G2/1000
BVH	(80°-90°)	14.9	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: P181493

CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1
2.5°	452.9	454.7	452.9	453.3	453.8	453.3	452.9	452.9	451.5	452.4	453.3
5°	451.1	452.4	452.0	452.4	452.9	452.4	452.0	452.4	451.5	452.0	453.3
7.5°	448.8	448.3	448.8	449.7	450.6	450.6	450.6	451.1	450.6	450.6	452.0
10°	442.0	442.5	443.4	444.7	445.2	446.5	446.5	447.9	448.3	449.3	451.1
12.5°	433.4	433.9	434.8	435.7	437.9	440.2	440.2	443.4	444.7	447.0	450.2
15°	427.1	427.5	428.4	429.3	431.2	433.4	434.8	438.4	440.7	444.7	449.3
17.5°	430.7	430.3	431.2	431.6	431.6	433.4	433.4	436.1	438.8	442.5	448.3
20°	441.1	441.1	442.0	442.0	441.6	442.5	440.7	440.7	441.1	442.9	447.0
22.5°	451.5	451.1	452.9	453.8	454.2	455.6	453.8	453.3	451.1	449.7	451.1
25°	461.5	461.0	463.3	464.6	466.9	468.3	468.3	468.3	466.4	464.2	462.8
27.5°	476.9	476.9	479.1	480.5	482.3	485.0	486.4	486.4	486.8	483.6	481.4
30°	502.6	503.1	503.5	505.4	507.2	508.1	509.9	511.2	512.6	510.8	507.2
32.5°	533.4	530.7	530.7	533.4	535.7	538.4	539.3	541.1	543.8	542.5	542.0
35°	570.1	569.1	568.2	569.1	571.9	575.0	578.6	581.8	580.0	582.7	581.4
37.5°	624.3	625.2	625.7	625.7	625.2	626.2	628.0	631.1	630.2	631.1	632.9
40°	713.9	710.8	707.6	708.0	703.5	704.4	697.2	700.3	700.8	697.6	699.0
42.5°	803.5	805.3	806.7	810.3	807.1	805.3	798.5	798.5	794.9	791.7	790.8
45°	900.3	903.9	904.4	911.6	908.9	914.8	919.8	918.4	912.5	912.1	905.7
47.5°	977.7	983.6	989.9	998.5	1005.3	1018.4	1033.8	1041.5	1046.0	1049.6	1042.4
50°	1035.6	1038.3	1054.6	1068.2	1083.1	1104.8	1126.1	1153.7	1175.8	1186.2	1196.2
52.5°	1066.8	1073.6	1091.2	1112.5	1138.7	1171.3	1205.7	1249.6	1287.6	1312.9	1335.5
55°	1073.6	1080.4	1100.3	1127.4	1163.2	1207.1	1256.4	1316.1	1373.1	1422.0	1469.5
57.5°	1054.6	1062.3	1083.5	1114.8	1156.8	1210.2	1272.2	1350.5	1429.2	1508.4	1578.5
60°	1019.8	1029.3	1048.7	1079.5	1126.1	1186.2	1260.4	1358.6	1469.0	1590.3	1724.6
62.5°	962.3	972.3	990.3	1024.3	1072.2	1138.7	1224.7	1346.9	1502.9	1693.9	1932.3
65°	870.0	874.5	896.7	931.1	973.6	1046.9	1141.5	1288.9	1492.1	1757.7	2086.1
66°	828.4	836.1	849.6	877.2	918.0	986.7	1081.7	1231.5	1450.9	1735.5	2082.0
67.5°	763.2	769.1	778.2	796.7	821.6	872.3	962.3	1103.9	1325.1	1623.3	1995.6
70°	617.1	619.8	632.0	638.4	647.0	663.7	696.3	777.7	950.1	1230.1	1610.6
72.5°	420.8	428.4	441.6	459.7	483.2	505.8	521.2	531.6	568.7	733.8	1073.1
75°	308.6	316.7	333.4	357.4	398.6	445.6	494.5	517.1	501.7	480.5	597.6
77.5°	179.2	190.0	204.0	227.1	265.1	327.6	411.3	485.4	535.7	538.8	511.7
80°	75.6	76.9	85.5	97.3	120.8	164.7	229.8	336.6	447.9	523.0	540.6
82.5°	17.2	21.3	27.1	32.1	39.4	54.3	80.5	133.9	242.0	379.6	494.9
85°	6.3	6.3	8.6	12.7	14.5	16.3	21.3	33.9	57.9	106.8	222.6
87.5°	0.0	0.5	0.9	0.9	1.8	2.3	3.6	5.0	4.5	4.1	13.6
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: P181493

CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1
2.5°	452.4	452.0	451.1	451.1	451.1	451.1	450.2	450.6	449.7	450.2	450.2
5°	452.0	452.0	451.5	450.6	451.1	451.1	451.5	450.6	450.6	451.1	450.6
7.5°	452.0	451.5	451.5	451.5	452.0	451.5	452.0	452.0	452.0	452.4	452.4
10°	452.0	452.0	452.9	453.3	453.3	453.8	455.1	455.1	455.6	456.0	456.9
12.5°	452.4	454.2	455.6	456.9	457.4	458.3	460.6	460.6	461.5	462.8	463.3
15°	452.9	455.6	458.3	459.2	460.1	461.9	464.2	465.1	466.4	467.8	468.7
17.5°	452.4	456.0	459.2	460.6	461.9	464.2	466.9	467.8	469.6	471.4	473.2
20°	452.0	456.9	461.9	463.7	465.5	468.7	472.3	474.6	476.4	479.1	480.9
22.5°	454.7	460.6	467.4	470.1	473.2	477.3	482.3	485.0	487.3	490.0	491.3
25°	463.3	467.8	475.9	480.5	484.5	491.3	498.1	501.3	504.0	506.3	506.7
27.5°	477.8	479.1	489.1	494.9	500.8	511.7	519.8	522.1	527.1	528.9	528.4
30°	501.3	499.0	507.2	516.2	524.8	539.7	549.7	555.6	560.1	560.1	556.5
32.5°	535.2	531.6	533.9	544.3	554.2	575.9	587.7	595.4	598.6	597.6	590.0
35°	579.6	577.3	575.9	584.1	599.9	625.2	640.6	644.7	649.7	648.8	638.8
37.5°	632.0	630.2	630.2	639.7	655.1	692.7	709.4	712.1	711.7	704.4	685.9
40°	694.0	693.1	689.0	694.5	707.6	756.4	779.1	782.7	777.7	765.9	744.2
42.5°	783.1	777.7	765.0	768.2	778.2	825.7	855.1	865.0	860.1	848.3	813.0
45°	899.4	893.5	872.3	869.6	875.0	916.6	954.6	956.9	956.0	941.0	899.4
47.5°	1036.0	1027.0	1004.4	997.1	995.3	1033.8	1070.4	1074.0	1071.8	1049.6	994.0
50°	1184.0	1170.9	1155.9	1151.0	1143.7	1171.3	1208.4	1208.9	1199.8	1169.1	1117.0
52.5°	1341.9	1337.4	1334.6	1329.7	1326.5	1350.5	1373.1	1359.5	1346.0	1313.8	1268.6
55°	1501.1	1519.7	1538.7	1540.5	1545.9	1571.7	1571.3	1534.2	1524.2	1506.6	1461.8
57.5°	1670.3	1739.1	1798.8	1817.4	1835.5	1883.4	1878.9	1842.3	1829.6	1807.9	1770.8
60°	1900.6	2086.1	2258.5	2299.7	2328.2	2385.6	2380.2	2323.6	2349.9	2348.1	2300.1
62.5°	2223.2	2531.7	2790.1	2853.4	2873.3	2879.7	2845.3	2784.2	2810.0	2838.9	2691.5
65°	2441.7	2804.6	3069.7	3118.5	3121.3	3045.7	2969.2	2897.3	2891.0	2866.1	2655.3
66°	2446.7	2818.1	3084.2	3131.7	3114.9	3011.8	2914.9	2842.6	2811.3	2756.6	2538.1
67.5°	2358.9	2733.5	3019.9	3070.1	3033.5	2887.3	2753.9	2660.7	2599.6	2510.9	2318.2
70°	1981.2	2352.6	2705.5	2799.1	2810.9	2592.8	2407.8	2298.3	2216.0	2094.3	1928.2
72.5°	1473.1	1808.8	2120.0	2209.6	2255.3	2081.1	1925.1	1841.8	1729.2	1601.1	1483.0
75°	923.4	1160.5	1369.0	1431.9	1388.9	1254.1	1160.5	1125.6	1014.8	938.3	884.5
77.5°	528.0	602.2	618.9	594.9	544.3	416.7	296.3	219.4	190.5	210.8	232.5
80°	515.3	472.3	376.4	331.2	300.0	206.3	121.2	83.2	69.2	71.0	76.9
82.5°	558.3	599.0	493.1	402.2	337.5	228.0	125.8	67.0	45.2	53.4	60.2
85°	362.8	504.9	454.7	383.2	310.4	195.0	103.6	34.8	23.1	30.3	41.6
87.5°	36.6	40.3	34.4	46.6	34.8	16.3	8.1	5.0	4.5	5.4	8.1
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: P181493

CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1
2.5°	450.6	450.6	451.1	451.5	452.0	452.4	452.4	452.4	452.4	453.3	452.9
5°	451.5	452.4	453.3	453.8	454.7	454.7	456.0	455.6	455.6	456.9	457.4
7.5°	453.3	454.7	456.5	456.0	457.8	457.4	458.3	458.3	456.9	457.4	456.5
10°	457.4	459.2	460.1	458.8	459.2	457.4	456.9	454.7	452.0	450.6	448.8
12.5°	464.2	466.0	466.0	463.7	461.0	456.9	453.8	448.8	444.7	442.5	440.2
15°	470.1	471.9	471.4	467.8	463.7	457.4	452.9	447.0	441.1	437.5	435.2
17.5°	474.6	475.5	474.1	469.2	464.6	458.8	454.2	447.9	441.1	436.6	432.5
20°	481.4	480.5	477.3	471.0	466.0	460.6	456.9	451.5	443.8	437.9	432.1
22.5°	491.3	487.7	481.8	475.0	470.1	465.1	461.5	455.6	447.9	440.7	433.9
25°	504.4	497.2	489.1	481.8	477.3	471.9	467.8	461.5	453.3	445.2	437.0
27.5°	523.5	510.8	500.4	494.0	489.1	482.3	477.3	469.2	460.6	451.1	442.0
30°	544.7	527.5	517.6	512.6	507.2	499.9	492.2	481.8	471.9	461.5	450.6
32.5°	572.3	551.5	542.0	537.0	529.8	520.7	511.7	499.9	485.9	472.3	459.2
35°	608.5	587.2	577.3	569.6	559.6	547.9	534.8	518.9	499.9	481.8	465.1
37.5°	647.4	624.3	614.8	606.7	591.8	576.4	557.8	534.8	509.0	485.0	464.2
40°	696.7	675.5	663.2	649.2	631.6	604.9	575.9	542.5	509.4	480.0	455.6
42.5°	759.2	737.9	719.8	697.6	666.9	625.7	584.5	541.1	501.3	467.8	441.6
45°	842.0	816.2	784.9	746.0	696.3	638.8	585.0	532.5	485.9	448.8	420.8
47.5°	943.3	903.9	852.8	787.2	715.7	642.4	577.7	515.3	461.9	421.7	390.4
50°	1063.6	1001.7	917.5	821.1	725.7	637.0	559.6	489.5	428.0	385.0	347.9
52.5°	1201.2	1099.8	975.9	845.6	725.2	618.9	528.9	450.6	383.7	335.7	300.4
55°	1362.7	1212.0	1036.0	863.7	712.6	585.4	481.8	395.9	328.9	284.6	252.0
57.5°	1599.3	1393.9	1141.0	891.7	687.2	533.9	418.0	330.3	271.5	229.4	201.8
60°	2031.8	1697.5	1330.1	948.3	648.3	458.3	343.4	260.1	210.8	176.9	158.3
62.5°	2357.6	1932.3	1432.4	935.6	570.1	365.1	254.7	189.6	155.2	132.1	120.3
65°	2311.0	1859.4	1323.3	805.8	447.0	257.4	169.2	128.9	106.8	95.9	89.1
66°	2205.6	1764.4	1228.8	725.2	386.4	214.0	139.3	108.1	91.8	84.2	79.6
67.5°	2005.6	1588.0	1059.6	594.5	296.8	155.2	105.0	85.5	74.6	71.5	68.3
70°	1667.2	1266.3	743.8	346.1	151.6	86.4	66.5	59.7	57.0	56.6	55.6
72.5°	1277.6	896.2	437.9	163.8	78.7	57.5	51.6	49.3	48.4	48.4	48.9
75°	783.1	503.5	193.6	80.1	55.2	48.4	45.7	44.8	44.3	44.8	44.3
77.5°	261.5	160.2	82.8	60.6	50.2	44.8	43.0	42.1	42.1	42.1	42.1
80°	80.1	69.7	63.3	56.1	47.5	42.5	39.8	39.4	39.8	40.3	38.9
82.5°	60.2	57.0	53.4	49.8	43.0	38.0	37.1	37.1	37.1	35.7	33.9
85°	44.3	43.9	36.2	33.9	31.7	31.7	31.7	31.7	30.3	28.1	26.2
87.5°	8.1	7.7	8.1	8.6	12.7	13.6	13.6	14.5	15.8	14.9	14.9
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: P181493

CATALOG NUMBER: ICS-F02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	451.1	451.1	451.1	451.1	451.1
2.5°	452.9	452.4	453.8	452.9	453.3
5°	456.9	456.5	457.4	456.5	457.8
7.5°	455.6	454.7	454.2	454.7	455.1
10°	446.1	445.2	444.7	444.3	444.7
12.5°	437.9	436.1	436.1	435.2	435.7
15°	432.1	430.7	430.3	429.3	429.8
17.5°	429.3	427.1	426.2	425.3	425.3
20°	427.5	424.8	423.5	422.6	422.1
22.5°	427.5	423.5	421.7	420.8	420.3
25°	429.3	424.4	421.7	420.3	419.8
27.5°	433.0	426.6	423.5	421.7	421.7
30°	439.3	431.2	426.6	424.4	423.9
32.5°	445.6	434.8	428.4	425.7	424.8
35°	448.8	434.8	427.1	422.6	421.7
37.5°	445.2	428.9	419.4	412.6	411.3
40°	433.9	416.7	406.3	399.9	399.0
42.5°	418.9	402.2	390.0	385.5	384.1
45°	398.6	378.7	366.5	360.1	360.6
47.5°	363.7	343.4	332.5	326.6	327.6
50°	322.6	302.7	293.2	286.8	288.2
52.5°	277.3	259.2	250.2	247.0	246.1
55°	229.8	215.8	209.5	205.9	204.5
57.5°	186.4	176.4	171.9	167.4	167.8
60°	147.0	142.1	140.7	135.7	135.3
62.5°	115.8	112.7	111.3	107.7	108.1
65°	87.8	86.9	87.8	85.5	86.4
66°	79.2	79.6	79.6	78.3	79.2
67.5°	68.3	69.2	70.6	69.2	70.1
70°	56.6	57.5	58.4	58.4	58.4
72.5°	49.3	50.2	50.7	50.7	50.7
75°	45.2	45.7	46.1	45.2	45.2
77.5°	42.5	42.5	41.6	41.2	40.7
80°	38.5	38.0	36.6	35.7	35.7
82.5°	32.1	31.2	30.3	29.0	29.0
85°	24.4	23.5	22.6	20.8	19.9
87.5°	12.7	13.1	12.7	10.4	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)