

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: P181488

Luminaire Tested: **ICS-E02-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181488
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-E02-LED-E1-T3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5070.3 lumens
Efficiency: N/A
Efficacy: 97.3 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): 52.1
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



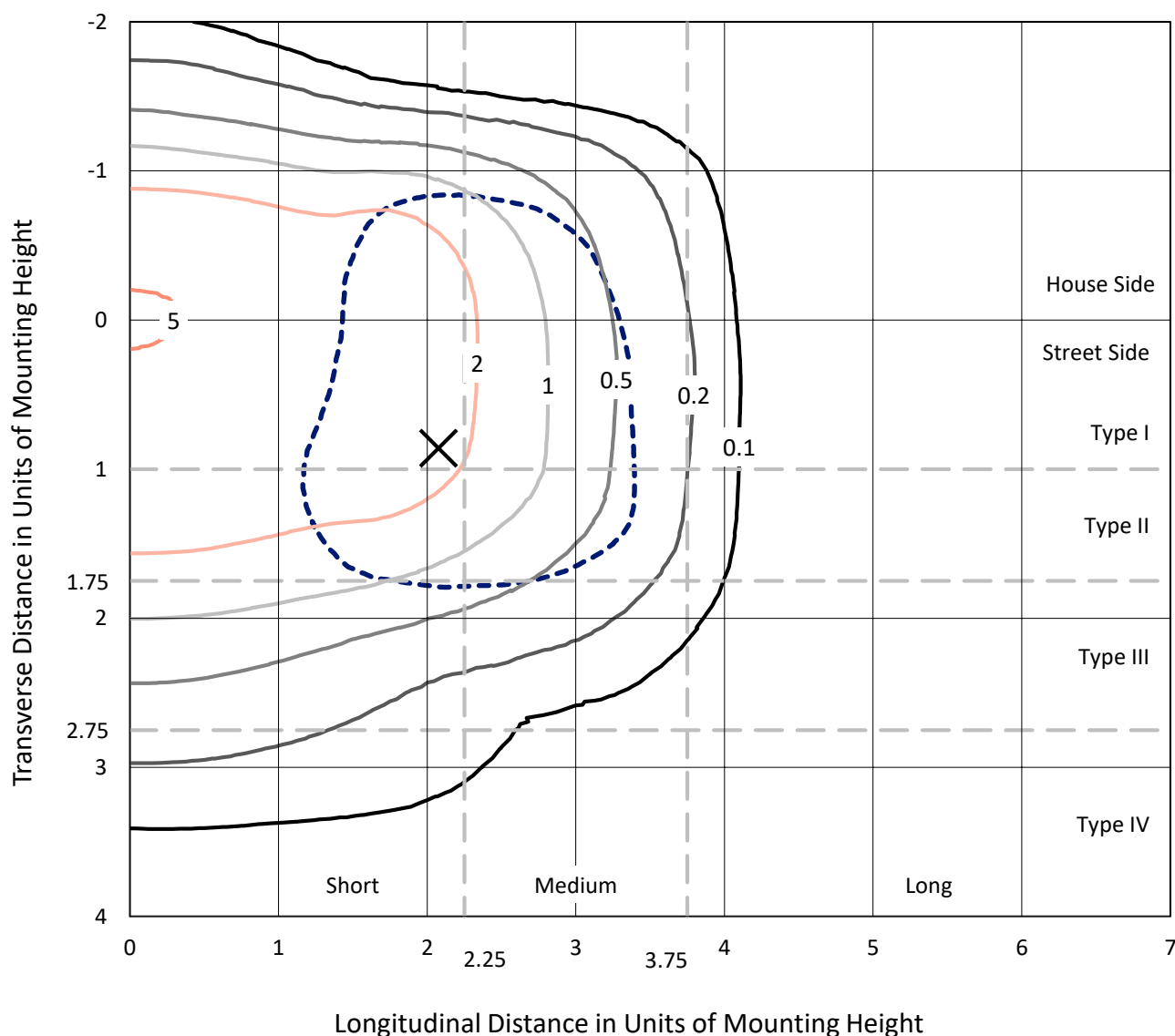
REPORT NUMBER: P181488

CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

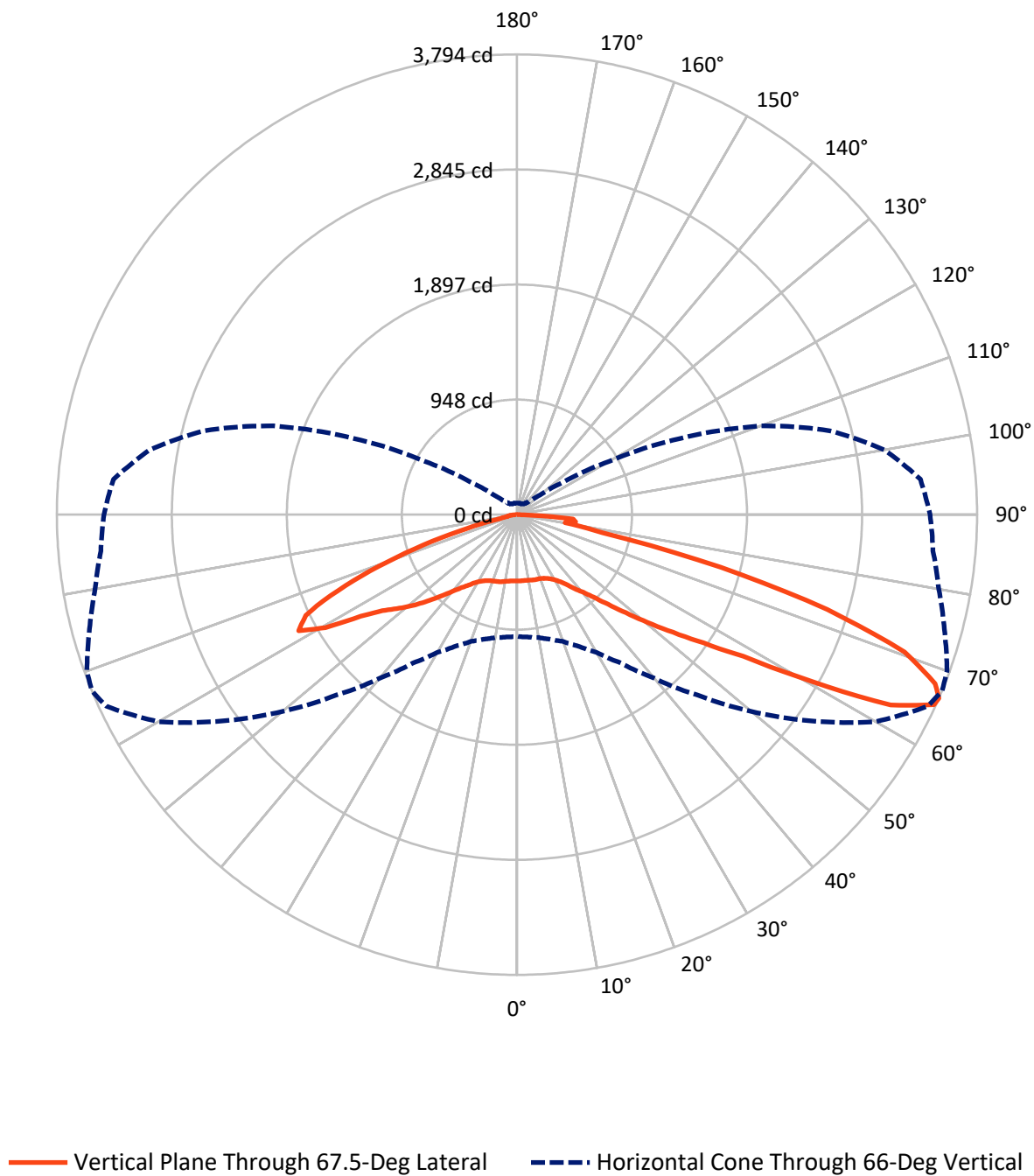


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P181488

CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P181488

CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

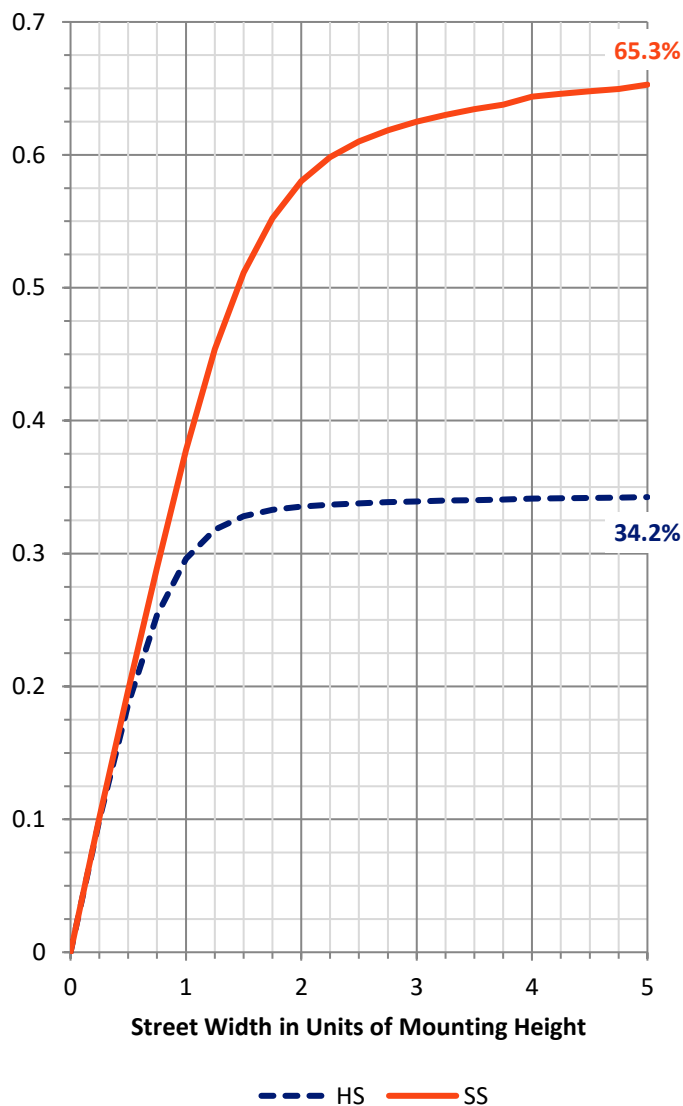
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1751.0	0.0	1751.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	3319.4	0.0	3319.4
	% Fixture	65.5	0.0	65.5
Total	Lumens	5070.3	0.0	5070.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.0
10°-20°	154.4	3.0
20°-30°	265.4	5.2
30°-40°	431.0	8.5
40°-50°	719.6	14.2
50°-60°	1133.1	22.3
60°-70°	1545.1	30.5
70°-80°	668.8	13.2
80°-90°	100.6	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°	5070.3	100.0
0°-180°	5070.3	100.0

Coefficient of Utilization



REPORT NUMBER: P181488

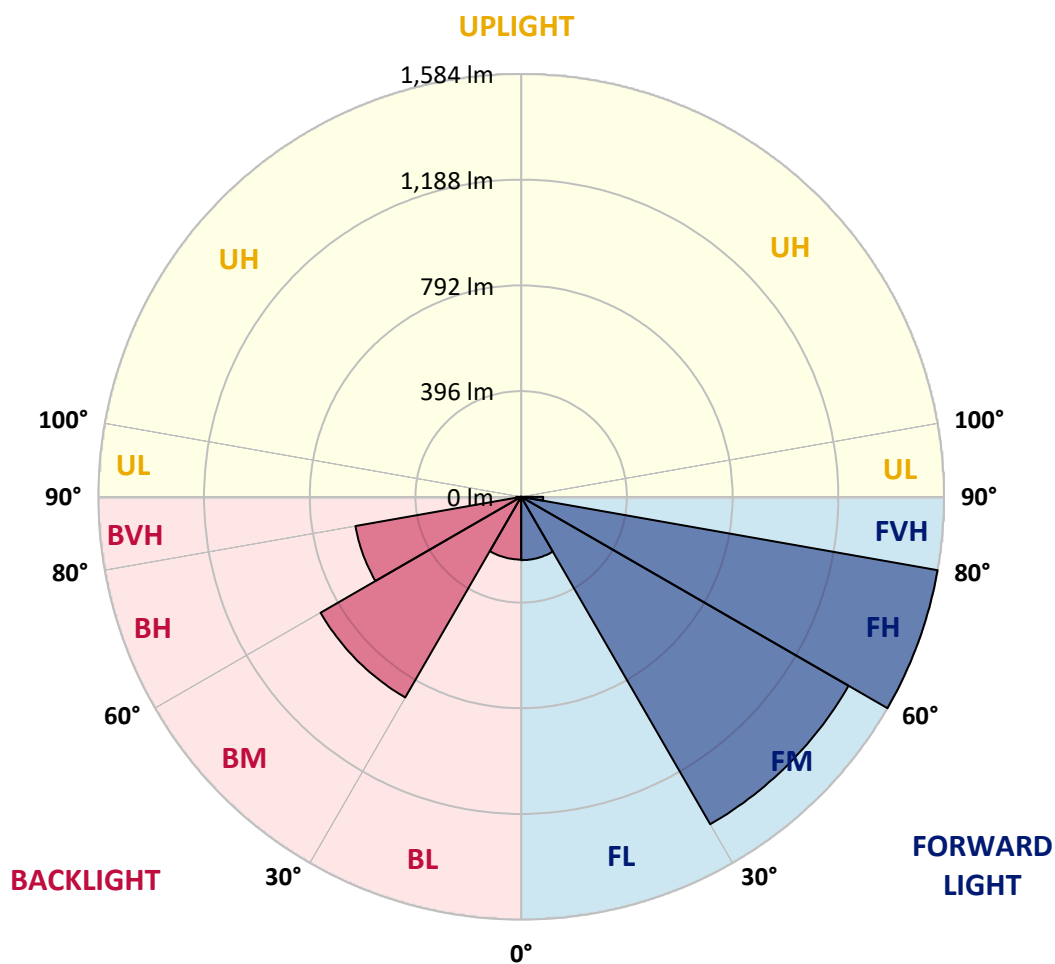
CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.2	4.7			
FM	(30°-60°)	1416.0	27.9			
FH	(60°-80°)	1583.6	31.2			G1/1800
FVH	(80°-90°)	82.6	1.6			G1/100
BL	(0°-30°)	235.0	4.6	B1/500		
BM	(30°-60°)	867.7	17.1	B1/1000		
BH	(60°-80°)	630.3	12.4	B2/1000		G2/1000
BVH	(80°-90°)	18.0	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: P181488

CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	548.6	550.8	548.6	549.1	549.7	549.1	548.6	548.6	546.9	548.0	549.1
5°	546.4	548.0	547.5	548.0	548.6	548.0	547.5	548.0	546.9	547.5	549.1
7.5°	543.7	543.1	543.7	544.8	545.8	545.8	545.8	546.4	545.8	545.8	547.5
10°	535.4	536.0	537.1	538.7	539.3	540.9	540.9	542.6	543.1	544.2	546.4
12.5°	525.0	525.6	526.7	527.8	530.5	533.2	533.2	537.1	538.7	541.5	545.3
15°	517.3	517.9	519.0	520.1	522.3	525.0	526.7	531.1	533.8	538.7	544.2
17.5°	521.7	521.2	522.3	522.8	522.8	525.0	525.0	528.3	531.6	536.0	543.1
20°	534.3	534.3	535.4	535.4	534.9	536.0	533.8	533.8	534.3	536.5	541.5
22.5°	546.9	546.4	548.6	549.7	550.2	551.9	549.7	549.1	546.4	544.8	546.4
25°	559.0	558.5	561.2	562.8	565.6	567.2	567.2	567.2	565.0	562.3	560.6
27.5°	577.6	577.6	580.4	582.0	584.2	587.5	589.1	589.1	589.7	585.9	583.1
30°	608.9	609.4	610.0	612.2	614.4	615.4	617.6	619.3	620.9	618.7	614.4
32.5°	646.1	642.9	642.9	646.1	648.9	652.2	653.3	655.5	658.7	657.1	656.6
35°	690.5	689.4	688.3	689.4	692.7	696.6	700.9	704.8	702.6	705.9	704.2
37.5°	756.3	757.4	757.9	757.9	757.4	758.5	760.7	764.5	763.4	764.5	766.7
40°	864.8	861.0	857.1	857.7	852.2	853.3	844.5	848.4	848.9	845.1	846.7
42.5°	973.3	975.5	977.2	981.5	977.7	975.5	967.3	967.3	962.9	959.1	958.0
45°	1090.6	1095.0	1095.5	1104.3	1101.0	1108.1	1114.2	1112.5	1105.4	1104.8	1097.2
47.5°	1184.3	1191.4	1199.1	1209.5	1217.7	1233.6	1252.3	1261.6	1267.1	1271.5	1262.7
50°	1254.5	1257.8	1277.5	1293.9	1312.0	1338.3	1364.1	1397.5	1424.4	1437.0	1449.0
52.5°	1292.3	1300.5	1321.9	1347.6	1379.4	1418.9	1460.5	1513.7	1559.7	1590.4	1617.8
55°	1300.5	1308.7	1332.8	1365.7	1409.0	1462.2	1521.9	1594.2	1663.3	1722.5	1780.0
57.5°	1277.5	1286.8	1312.6	1350.4	1401.3	1466.0	1541.1	1635.9	1731.3	1827.2	1912.1
60°	1235.3	1246.8	1270.4	1307.6	1364.1	1437.0	1526.8	1645.8	1779.5	1926.4	2089.1
62.5°	1165.7	1177.7	1199.7	1240.8	1298.9	1379.4	1483.5	1631.5	1820.6	2051.9	2340.7
65°	1053.9	1059.4	1086.2	1127.9	1179.4	1268.2	1382.7	1561.4	1807.4	2129.1	2527.0
66°	1003.5	1012.8	1029.2	1062.6	1112.0	1195.3	1310.4	1491.8	1757.6	2102.3	2522.1
67.5°	924.5	931.7	942.6	965.1	995.2	1056.6	1165.7	1337.2	1605.2	1966.4	2417.4
70°	747.5	750.8	765.6	773.3	783.7	804.0	843.4	942.1	1150.9	1490.1	1951.0
72.5°	509.7	519.0	534.9	556.8	585.3	612.7	631.3	643.9	688.9	888.9	1300.0
75°	373.8	383.6	403.9	433.0	482.8	539.8	599.0	626.4	607.8	582.0	724.0
77.5°	217.0	230.2	247.2	275.1	321.2	396.8	498.2	588.0	648.9	652.7	619.8
80°	91.5	93.2	103.6	117.8	146.3	199.5	278.4	407.7	542.6	633.5	654.9
82.5°	20.8	25.8	32.9	38.9	47.7	65.8	97.6	162.2	293.2	459.8	599.6
85°	7.7	7.7	10.4	15.3	17.5	19.7	25.8	41.1	70.1	129.3	269.6
87.5°	0.0	0.5	1.1	1.1	2.2	2.7	4.4	6.0	5.5	4.9	16.4
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: P181488

CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	548.0	547.5	546.4	546.4	546.4	546.4	545.3	545.8	544.8	545.3	545.3
5°	547.5	547.5	546.9	545.8	546.4	546.4	546.9	545.8	545.8	546.4	545.8
7.5°	547.5	546.9	546.9	546.9	547.5	546.9	547.5	547.5	547.5	548.0	548.0
10°	547.5	547.5	548.6	549.1	549.1	549.7	551.3	551.3	551.9	552.4	553.5
12.5°	548.0	550.2	551.9	553.5	554.1	555.2	557.9	557.9	559.0	560.6	561.2
15°	548.6	551.9	555.2	556.3	557.4	559.5	562.3	563.4	565.0	566.7	567.8
17.5°	548.0	552.4	556.3	557.9	559.5	562.3	565.6	566.7	568.9	571.1	573.2
20°	547.5	553.5	559.5	561.7	563.9	567.8	572.2	574.9	577.1	580.4	582.6
22.5°	550.8	557.9	566.1	569.4	573.2	578.2	584.2	587.5	590.2	593.5	595.2
25°	561.2	566.7	576.5	582.0	587.0	595.2	603.4	607.2	610.5	613.3	613.8
27.5°	578.7	580.4	592.4	599.6	606.7	619.8	629.7	632.4	638.5	640.7	640.1
30°	607.2	604.5	614.4	625.3	635.7	653.8	665.9	673.0	678.5	678.5	674.1
32.5°	648.3	643.9	646.7	659.3	671.3	697.7	711.9	721.2	725.1	724.0	714.6
35°	702.0	699.3	697.7	707.5	726.7	757.4	776.0	781.0	787.0	785.9	773.8
37.5°	765.6	763.4	763.4	774.9	793.6	839.0	859.3	862.6	862.1	853.3	830.8
40°	840.7	839.6	834.7	841.2	857.1	916.3	943.7	948.1	942.1	927.8	901.5
42.5°	948.7	942.1	926.7	930.6	942.6	1000.2	1035.8	1047.9	1041.8	1027.6	984.8
45°	1089.5	1082.4	1056.6	1053.3	1059.9	1110.3	1156.4	1159.1	1158.0	1139.9	1089.5
47.5°	1255.0	1244.1	1216.6	1207.9	1205.7	1252.3	1296.7	1301.0	1298.3	1271.5	1204.0
50°	1434.2	1418.3	1400.2	1394.2	1385.4	1418.9	1463.8	1464.4	1453.4	1416.1	1353.1
52.5°	1625.5	1620.0	1616.7	1610.7	1606.9	1635.9	1663.3	1646.9	1630.4	1591.5	1536.7
55°	1818.4	1840.9	1863.9	1866.1	1872.7	1903.9	1903.3	1858.4	1846.3	1825.0	1770.7
57.5°	2023.4	2106.7	2179.0	2201.5	2223.4	2281.5	2276.0	2231.6	2216.3	2190.0	2145.0
60°	2302.3	2527.0	2735.8	2785.7	2820.2	2889.8	2883.2	2814.7	2846.5	2844.3	2786.2
62.5°	2693.1	3066.8	3379.8	3456.5	3480.6	3488.3	3446.6	3372.6	3403.9	3439.0	3260.3
65°	2957.8	3397.3	3718.5	3777.6	3780.9	3689.4	3596.8	3509.6	3502.0	3471.8	3216.4
66°	2963.8	3413.7	3736.0	3793.5	3773.3	3648.3	3531.0	3443.3	3405.5	3339.2	3074.5
67.5°	2857.5	3311.3	3658.2	3719.0	3674.6	3497.6	3335.9	3223.0	3149.0	3041.6	2808.2
70°	2399.9	2849.8	3277.3	3390.7	3405.0	3140.8	2916.7	2784.0	2684.3	2536.9	2335.7
72.5°	1784.4	2191.1	2568.1	2676.6	2732.0	2521.0	2331.9	2231.1	2094.6	1939.5	1796.5
75°	1118.5	1405.7	1658.4	1734.5	1682.5	1519.2	1405.7	1363.5	1229.3	1136.6	1071.4
77.5°	639.6	729.4	749.7	720.7	659.3	504.7	359.0	265.8	230.7	255.4	281.7
80°	624.2	572.2	456.0	401.2	363.4	249.9	146.9	100.8	83.9	86.0	93.2
82.5°	676.3	725.6	597.4	487.2	408.8	276.2	152.4	81.1	54.8	64.7	72.9
85°	439.5	611.6	550.8	464.2	376.0	236.2	125.5	42.2	28.0	36.7	50.4
87.5°	44.4	48.8	41.7	56.4	42.2	19.7	9.9	6.0	5.5	6.6	9.9
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: P181488

CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	545.8	545.8	546.4	546.9	547.5	548.0	548.0	548.0	548.0	549.1	548.6
5°	546.9	548.0	549.1	549.7	550.8	550.8	552.4	551.9	551.9	553.5	554.1
7.5°	549.1	550.8	553.0	552.4	554.6	554.1	555.2	555.2	553.5	554.1	553.0
10°	554.1	556.3	557.4	555.7	556.3	554.1	553.5	550.8	547.5	545.8	543.7
12.5°	562.3	564.5	564.5	561.7	558.5	553.5	549.7	543.7	538.7	536.0	533.2
15°	569.4	571.6	571.1	566.7	561.7	554.1	548.6	541.5	534.3	530.0	527.2
17.5°	574.9	576.0	574.3	568.3	562.8	555.7	550.2	542.6	534.3	528.9	523.9
20°	583.1	582.0	578.2	570.5	564.5	557.9	553.5	546.9	537.6	530.5	523.4
22.5°	595.2	590.8	583.7	575.4	569.4	563.4	559.0	551.9	542.6	533.8	525.6
25°	611.1	602.3	592.4	583.7	578.2	571.6	566.7	559.0	549.1	539.3	529.4
27.5°	634.1	618.7	606.1	598.5	592.4	584.2	578.2	568.3	557.9	546.4	535.4
30°	659.8	639.0	627.0	620.9	614.4	605.6	596.3	583.7	571.6	559.0	545.8
32.5°	693.3	668.1	656.6	650.5	641.8	630.8	619.8	605.6	588.6	572.2	556.3
35°	737.1	711.4	699.3	690.0	677.9	663.7	647.8	628.6	605.6	583.7	563.4
37.5°	784.2	756.3	744.8	734.9	716.8	698.2	675.7	647.8	616.5	587.5	562.3
40°	844.0	818.2	803.4	786.4	765.1	732.7	697.7	657.1	617.1	581.5	551.9
42.5°	919.6	893.9	871.9	845.1	807.8	757.9	708.1	655.5	607.2	566.7	534.9
45°	1019.9	988.7	950.8	903.7	843.4	773.8	708.6	645.0	588.6	543.7	509.7
47.5°	1142.7	1095.0	1033.1	953.6	867.0	778.2	699.8	624.2	559.5	510.8	473.0
50°	1288.4	1213.4	1111.4	994.7	879.1	771.6	677.9	593.0	518.4	466.4	421.4
52.5°	1455.0	1332.3	1182.1	1024.3	878.5	749.7	640.7	545.8	464.7	406.6	363.9
55°	1650.7	1468.2	1255.0	1046.2	863.2	709.2	583.7	479.5	398.4	344.7	305.3
57.5°	1937.3	1688.5	1382.2	1080.2	832.5	646.7	506.4	400.1	328.8	277.9	244.4
60°	2461.2	2056.2	1611.2	1148.7	785.3	555.2	416.0	315.1	255.4	214.3	191.8
62.5°	2855.8	2340.7	1735.1	1133.3	690.5	442.3	308.5	229.6	188.0	160.0	145.8
65°	2799.4	2252.4	1603.0	976.1	541.5	311.8	205.0	156.2	129.3	116.2	108.0
66°	2671.7	2137.4	1488.5	878.5	468.0	259.2	168.8	131.0	111.3	101.9	96.5
67.5°	2429.5	1923.6	1283.5	720.1	359.5	188.0	127.1	103.6	90.4	86.6	82.8
70°	2019.5	1534.0	901.0	419.3	183.6	104.7	80.6	72.3	69.1	68.5	67.4
72.5°	1547.7	1085.7	530.5	198.4	95.4	69.6	62.5	59.7	58.6	58.6	59.2
75°	948.7	610.0	234.6	97.0	66.9	58.6	55.4	54.3	53.7	54.3	53.7
77.5°	316.8	194.0	100.3	73.4	60.8	54.3	52.1	51.0	51.0	51.0	51.0
80°	97.0	84.4	76.7	68.0	57.5	51.5	48.2	47.7	48.2	48.8	47.1
82.5°	72.9	69.1	64.7	60.3	52.1	46.0	44.9	44.9	44.9	43.3	41.1
85°	53.7	53.2	43.8	41.1	38.4	38.4	38.4	38.4	36.7	34.0	31.8
87.5°	9.9	9.3	9.9	10.4	15.3	16.4	16.4	17.5	19.2	18.1	18.1
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: P181488

CATALOG NUMBER: ICS-E02-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	546.4	546.4	546.4	546.4	546.4
2.5°	548.6	548.0	549.7	548.6	549.1
5°	553.5	553.0	554.1	553.0	554.6
7.5°	551.9	550.8	550.2	550.8	551.3
10°	540.4	539.3	538.7	538.2	538.7
12.5°	530.5	528.3	528.3	527.2	527.8
15°	523.4	521.7	521.2	520.1	520.6
17.5°	520.1	517.3	516.3	515.2	515.2
20°	517.9	514.6	513.0	511.9	511.3
22.5°	517.9	513.0	510.8	509.7	509.1
25°	520.1	514.1	510.8	509.1	508.6
27.5°	524.5	516.8	513.0	510.8	510.8
30°	532.1	522.3	516.8	514.1	513.5
32.5°	539.8	526.7	519.0	515.7	514.6
35°	543.7	526.7	517.3	511.9	510.8
37.5°	539.3	519.5	508.0	499.8	498.2
40°	525.6	504.7	492.1	484.5	483.4
42.5°	507.5	487.2	472.4	466.9	465.3
45°	482.8	458.7	443.9	436.2	436.8
47.5°	440.6	416.0	402.8	395.7	396.8
50°	390.8	366.6	355.1	347.5	349.1
52.5°	335.9	314.0	303.1	299.2	298.1
55°	278.4	261.4	253.7	249.4	247.7
57.5°	225.8	213.7	208.3	202.8	203.3
60°	178.1	172.1	170.4	164.4	163.9
62.5°	140.3	136.5	134.8	130.4	131.0
65°	106.3	105.2	106.3	103.6	104.7
66°	95.9	96.5	96.5	94.8	95.9
67.5°	82.8	83.9	85.5	83.9	84.9
70°	68.5	69.6	70.7	70.7	70.7
72.5°	59.7	60.8	61.4	61.4	61.4
75°	54.8	55.4	55.9	54.8	54.8
77.5°	51.5	51.5	50.4	49.9	49.3
80°	46.6	46.0	44.4	43.3	43.3
82.5°	38.9	37.8	36.7	35.1	35.1
85°	29.6	28.5	27.4	25.2	24.1
87.5°	15.3	15.9	15.3	12.6	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)