

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: P180318

Luminaire Tested: **ICS-E01-LED-E1-RW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180318
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E01-LED-E1-RW
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2811.6 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

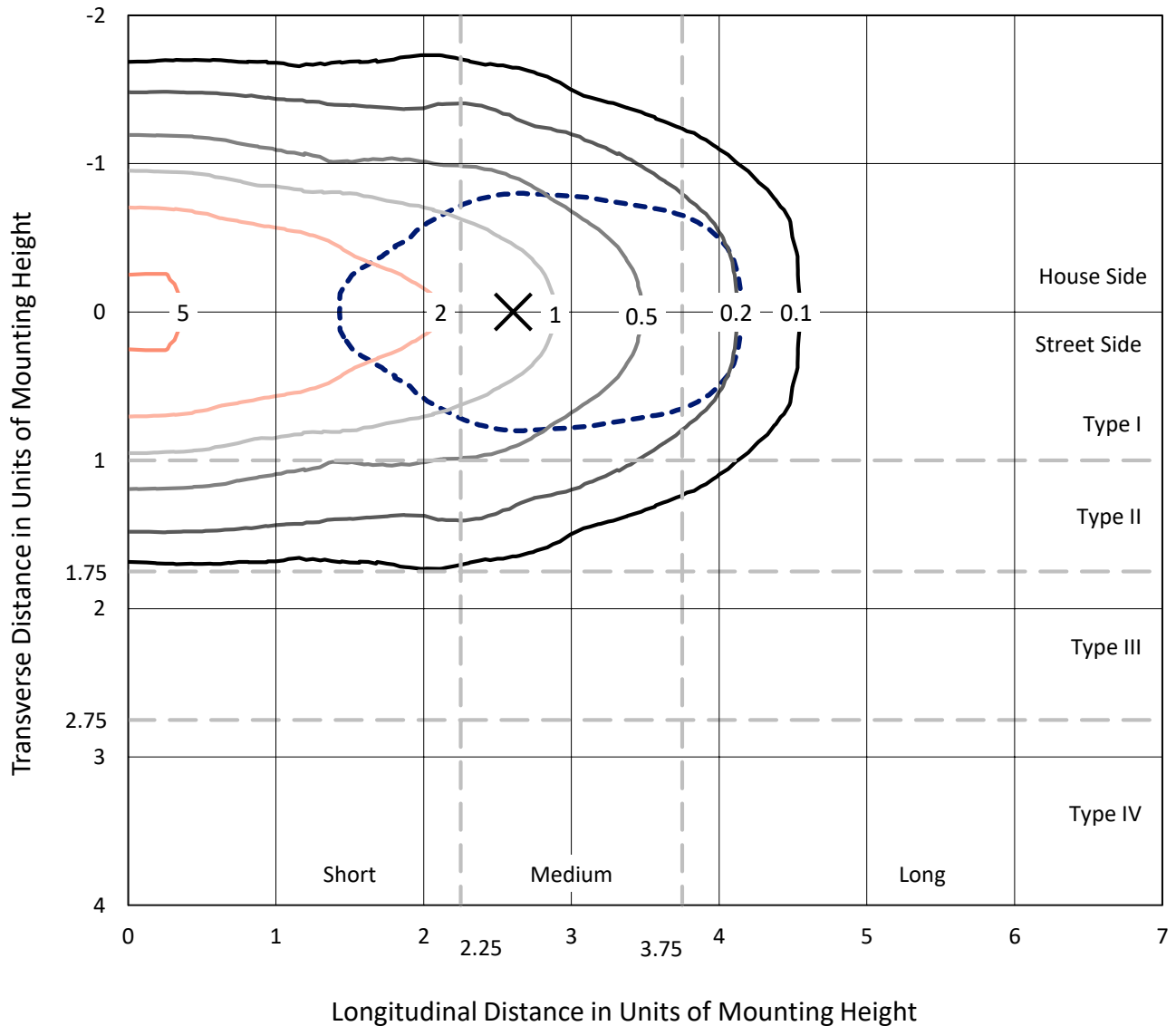
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180318
 CATALOG NUMBER: ICS-E01-LED-E1-RW

Iso-Footcandle Lines of Horizontal Illumination

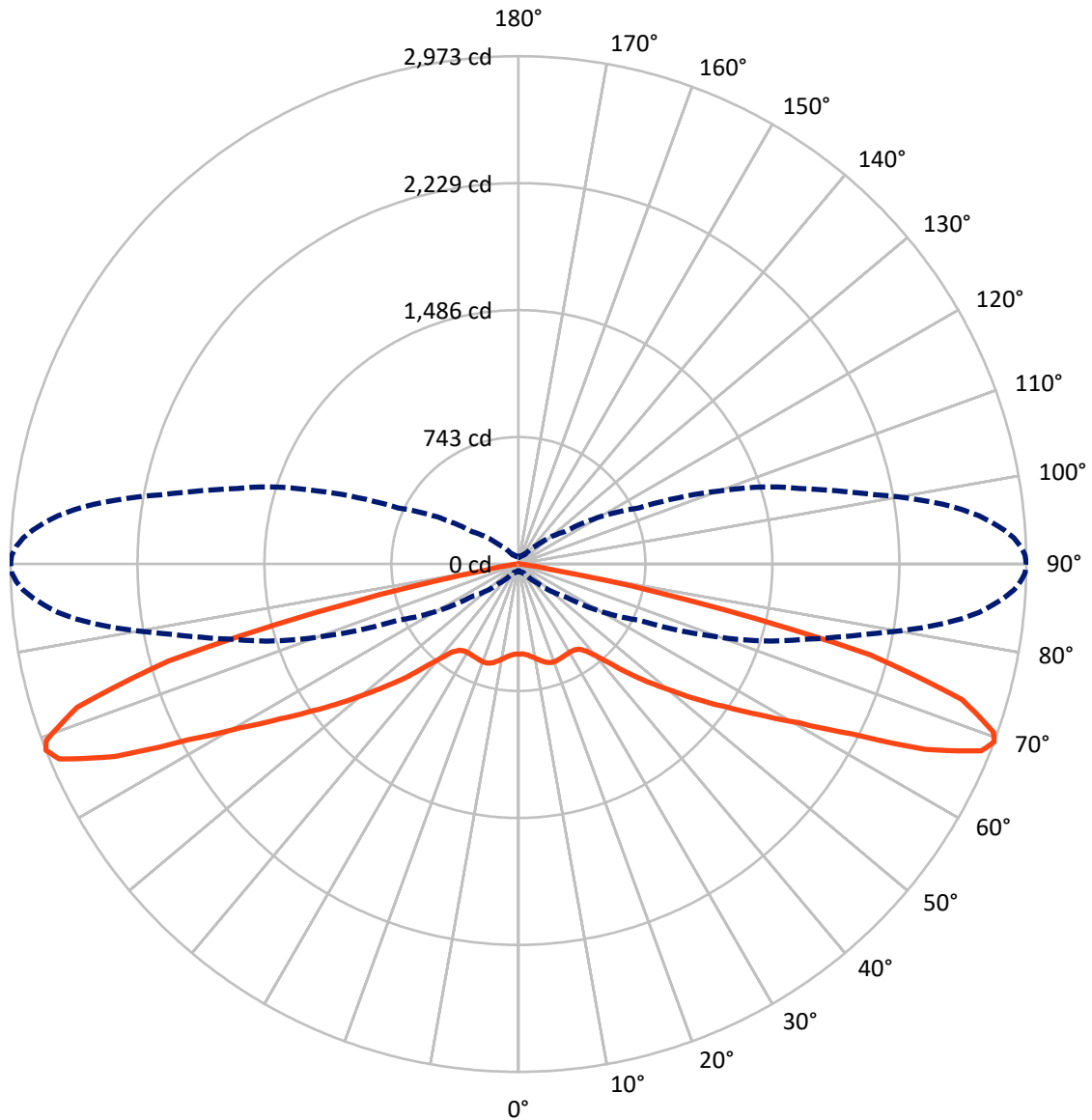
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P180318
CATALOG NUMBER: ICS-E01-LED-E1-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180318

CATALOG NUMBER: ICS-E01-LED-E1-RW

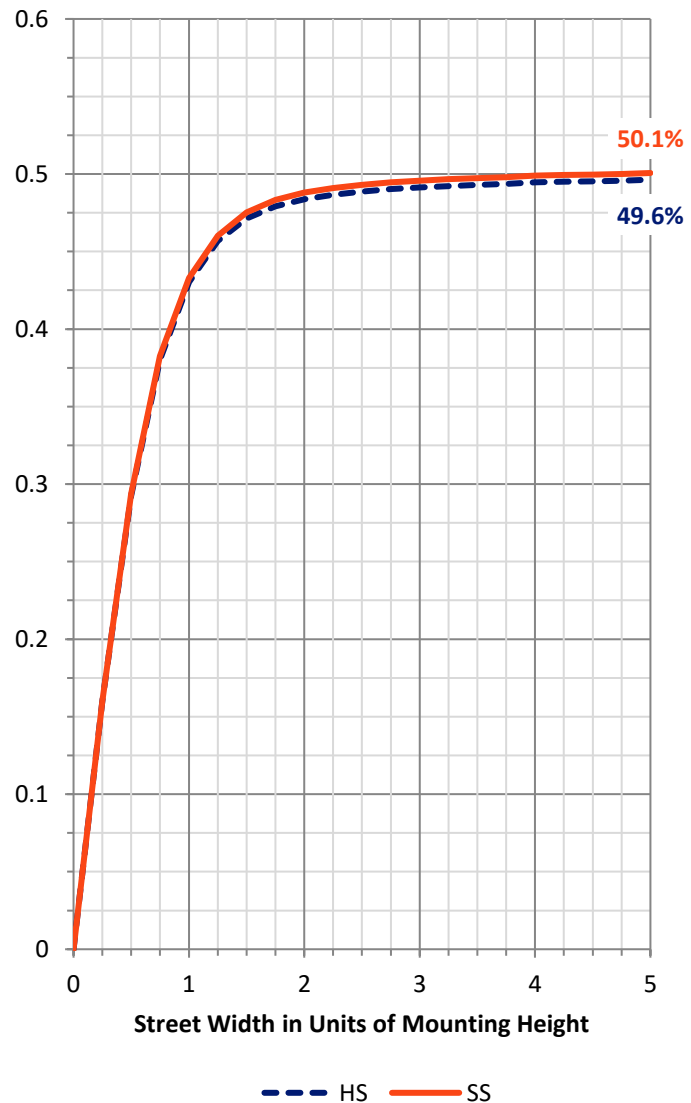
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1405.8	0.0	1405.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1405.8	0.0	1405.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2811.6	0.0	2811.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.8
10°-20°	163.0	5.8
20°-30°	264.1	9.4
30°-40°	329.1	11.7
40°-50°	411.3	14.6
50°-60°	507.9	18.1
60°-70°	631.1	22.4
70°-80°	418.9	14.9
80°-90°	34.6	1.2
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°	2811.6	100.0
0°-180°	2811.6	100.0

Coefficient of Utilization



REPORT NUMBER: P180318

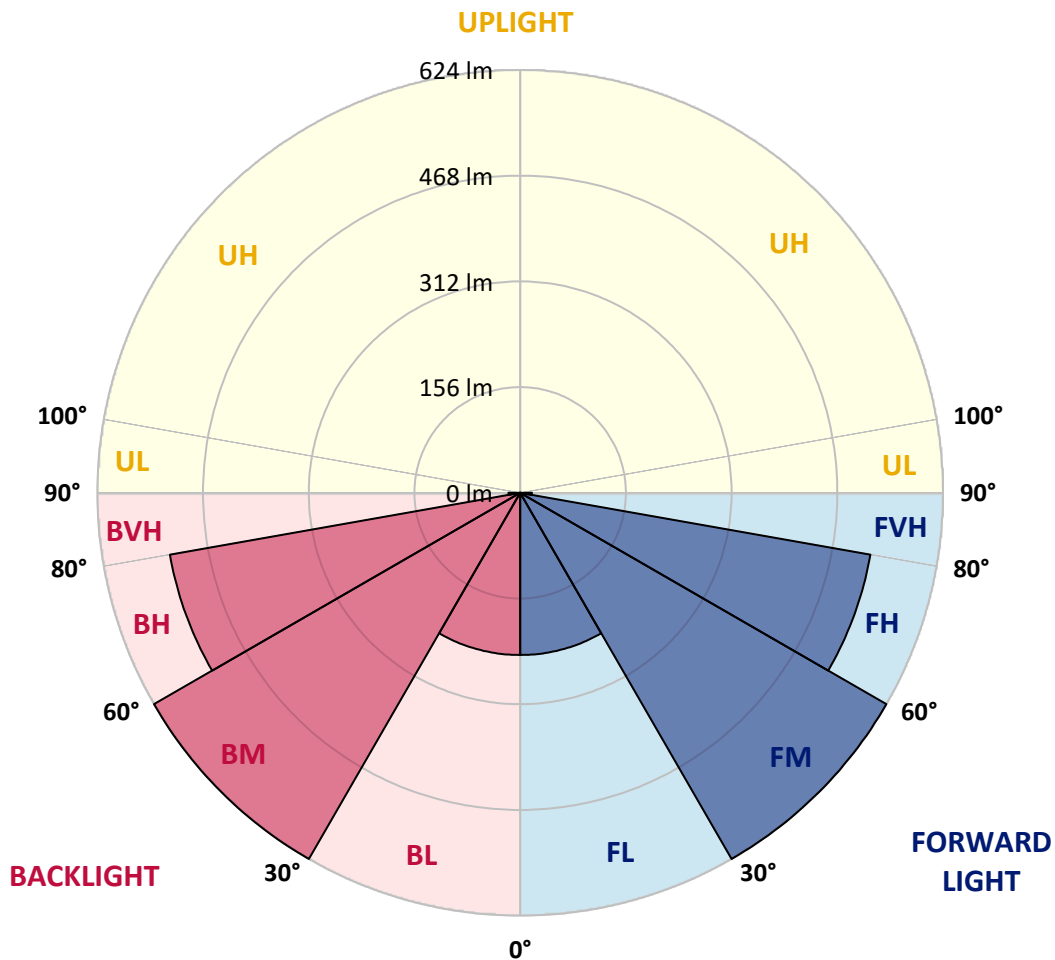
CATALOG NUMBER: ICS-E01-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	239.4	8.5			
FM	(30°-60°)	624.1	22.2			
FH	(60°-80°)	525.0	18.7			G0/660
FVH	(80°-90°)	17.3	0.6			G1/100
BL	(0°-30°)	239.4	8.5	B1/500		
BM	(30°-60°)	624.1	22.2	B1/1000		
BH	(60°-80°)	525.0	18.7	B2/1000		G2/1000
BVH	(80°-90°)	17.3	0.6			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 I Short





REPORT NUMBER: P180318

CATALOG NUMBER: ICS-E01-LED-E1-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8
2.5°	529.2	529.7	529.3	530.0	529.8	529.8	529.5	528.9	528.5	528.3	528.3
5°	534.3	533.7	534.6	535.5	535.2	535.3	535.2	535.2	534.9	534.9	534.8
7.5°	539.7	539.6	540.2	542.6	542.8	543.8	544.8	545.6	545.7	545.8	545.7
10°	544.3	544.5	546.0	549.4	551.2	554.1	557.0	559.2	560.0	560.6	560.5
12.5°	548.1	548.2	550.5	555.9	560.2	565.7	571.8	575.2	576.8	577.0	577.3
15°	548.4	548.8	552.8	561.6	570.3	579.2	586.5	591.2	592.3	593.2	593.2
17.5°	544.5	544.8	551.4	564.4	579.0	592.8	600.4	602.6	603.0	603.3	603.2
20°	534.3	535.0	544.3	563.7	585.9	603.9	611.8	609.0	607.6	607.4	607.2
22.5°	517.8	517.7	529.8	555.9	587.2	612.6	619.6	612.2	607.7	606.8	606.2
25°	491.1	492.9	507.2	538.4	579.6	614.6	625.2	613.8	607.4	606.0	604.3
27.5°	462.2	463.2	478.4	511.8	561.8	607.8	627.9	617.1	610.0	608.0	606.0
30°	428.4	429.8	446.0	480.9	533.1	590.4	627.2	624.6	616.3	613.9	611.4
32.5°	395.4	396.9	411.4	449.7	503.0	566.6	622.6	635.2	626.7	624.1	621.4
35°	361.2	363.4	381.2	419.8	473.8	540.0	615.8	648.9	644.2	641.8	639.5
37.5°	332.8	333.3	350.4	391.0	446.8	514.6	606.6	666.2	669.6	669.6	669.9
40°	301.2	304.0	321.2	364.0	422.4	493.2	597.9	689.6	707.5	710.8	713.3
42.5°	272.8	273.2	290.6	334.8	395.8	476.0	593.1	717.8	756.1	763.1	770.1
45°	243.0	244.2	260.0	302.7	365.2	455.6	593.0	750.3	811.5	823.3	834.1
47.5°	214.8	215.2	231.9	271.6	330.2	427.0	591.9	785.2	868.6	885.9	900.1
50°	187.8	187.4	203.7	242.0	295.5	389.7	582.8	824.8	930.1	949.9	967.4
52.5°	156.9	159.0	176.0	212.6	264.0	351.8	556.0	868.2	994.1	1017.0	1038.9
55°	126.6	127.5	145.6	179.8	232.0	316.4	509.6	908.2	1056.6	1082.4	1106.8
57.5°	93.3	96.0	111.9	145.6	199.6	286.5	450.4	928.8	1109.4	1139.3	1168.3
60°	65.8	68.0	82.0	110.4	164.1	255.2	399.6	917.3	1152.0	1190.1	1224.9
62.5°	51.3	53.0	64.2	82.6	128.0	223.8	363.2	880.0	1199.2	1248.9	1296.4
65°	45.0	46.5	56.7	66.2	95.6	191.8	343.2	840.5	1262.5	1335.8	1402.0
67.5°	40.6	42.4	51.3	57.9	77.8	167.4	338.0	815.6	1293.6	1388.9	1478.2
69°	38.7	40.5	48.4	54.0	72.3	158.7	329.0	776.4	1251.6	1353.6	1451.1
70°	37.5	39.0	46.4	52.0	70.5	152.7	314.0	727.5	1194.2	1297.1	1399.0
72.5°	34.8	35.6	42.0	47.6	65.4	123.4	241.5	540.3	944.8	1045.2	1144.2
75°	30.8	31.6	37.6	43.1	51.0	76.6	152.8	334.2	636.2	711.0	802.7
77.5°	26.6	27.3	32.6	41.1	39.6	47.8	91.4	186.0	361.1	404.6	464.2
80°	21.3	22.2	26.8	40.8	32.7	37.2	65.7	130.0	177.3	190.3	204.6
82.5°	15.6	16.4	21.0	33.0	25.0	28.0	50.1	110.2	126.7	132.5	135.4
85°	8.0	8.1	13.4	20.1	15.9	14.6	28.2	75.4	86.0	87.4	89.6
87.5°	1.4	1.4	3.0	3.4	3.9	2.4	3.6	12.9	14.9	14.8	16.1
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: P180318
 CATALOG NUMBER: ICS-E01-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8
2.5°	528.5	528.4	528.6	528.6	528.8	528.2	528.1	528.0	528.0	528.3	528.0
5°	535.0	534.9	535.0	535.3	535.2	534.9	534.8	534.9	534.4	534.3	534.6
7.5°	546.0	545.8	545.6	546.0	546.4	546.4	546.7	546.4	546.3	546.2	546.4
10°	561.0	560.9	561.0	561.5	561.9	561.9	562.3	561.9	561.8	562.0	562.0
12.5°	577.9	577.5	578.2	578.6	579.0	579.9	579.4	580.0	579.6	580.3	580.4
15°	593.7	593.9	594.6	594.9	595.0	595.7	595.8	596.2	595.6	595.8	597.0
17.5°	603.6	603.4	603.9	604.1	604.5	604.9	605.6	606.0	605.7	605.7	606.3
20°	606.9	606.5	606.6	606.8	606.9	607.2	607.7	607.8	607.8	608.0	608.6
22.5°	605.3	604.5	603.8	603.8	603.9	603.8	604.1	604.4	604.7	605.0	605.7
25°	603.0	601.3	599.8	599.7	599.3	599.3	599.5	599.6	599.8	600.3	600.9
27.5°	603.2	600.9	598.7	597.8	597.0	596.5	596.3	596.0	596.2	596.7	597.3
30°	608.4	604.8	601.5	600.5	599.3	598.3	597.4	596.4	595.8	596.2	596.6
32.5°	617.4	613.9	610.6	609.0	607.3	605.6	603.9	602.8	601.5	601.0	600.9
35°	636.6	633.8	630.9	629.0	626.3	624.9	622.9	620.0	617.8	617.7	616.5
37.5°	669.0	667.7	665.6	663.6	662.7	659.0	656.6	655.0	652.7	654.2	651.6
40°	715.5	717.8	719.7	718.6	718.9	717.9	716.5	717.9	716.2	715.8	716.2
42.5°	775.1	783.0	788.6	790.3	794.7	796.5	799.7	804.8	803.7	809.4	810.4
45°	844.2	855.5	866.6	874.7	883.7	893.8	904.0	912.0	918.4	918.0	925.0
47.5°	914.7	931.5	946.2	958.5	974.6	989.4	1005.8	1022.4	1034.4	1038.8	1040.4
50°	986.2	1005.5	1025.5	1043.6	1065.3	1089.2	1114.9	1140.7	1153.6	1164.1	1171.2
52.5°	1061.0	1083.1	1104.4	1130.0	1156.8	1188.2	1220.4	1257.1	1276.6	1296.4	1306.9
55°	1132.1	1156.8	1178.8	1213.0	1245.9	1283.4	1325.5	1371.8	1405.6	1428.9	1449.4
57.5°	1196.8	1223.0	1250.1	1288.7	1330.6	1374.4	1427.7	1484.1	1520.8	1561.3	1597.8
60°	1259.9	1292.9	1324.0	1374.5	1424.3	1478.8	1545.2	1616.5	1673.4	1728.4	1770.4
62.5°	1343.6	1386.0	1424.6	1488.1	1553.3	1620.6	1699.6	1783.9	1866.4	1941.1	1997.6
65°	1467.3	1529.6	1587.4	1667.8	1750.1	1838.7	1933.0	2040.7	2139.7	2238.6	2319.6
67.5°	1561.2	1640.0	1714.3	1811.5	1908.3	2011.1	2125.0	2252.2	2374.8	2486.2	2584.9
69°	1542.7	1626.4	1706.8	1806.1	1906.7	2011.7	2126.5	2261.8	2389.2	2510.2	2616.2
70°	1486.6	1573.8	1657.2	1755.6	1857.6	1962.8	2083.1	2215.9	2346.2	2475.2	2582.2
72.5°	1232.1	1319.6	1400.5	1501.3	1603.9	1714.4	1828.3	1957.8	2097.0	2234.8	2328.6
75°	883.4	960.7	1039.2	1124.4	1224.5	1315.6	1419.8	1543.3	1660.3	1767.2	1839.0
77.5°	522.1	568.4	624.3	664.4	722.5	772.7	825.7	894.4	930.4	999.4	1017.1
80°	212.7	211.4	219.8	211.5	213.4	206.6	199.5	198.2	186.9	201.0	190.5
82.5°	135.1	125.7	115.6	101.7	89.5	76.6	64.8	54.9	53.1	53.4	52.8
85°	89.0	84.9	75.9	63.8	52.0	41.7	33.4	26.4	26.1	25.6	25.5
87.5°	16.1	15.0	12.3	10.5	8.8	6.6	4.6	3.4	3.3	3.3	3.9
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: P180318

CATALOG NUMBER: ICS-E01-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°
0°	526.8	526.8	526.8	526.8	526.8	526.8	526.8
2.5°	528.0	528.0	527.8	528.2	528.0	527.6	527.1
5°	534.9	534.3	534.8	535.2	534.4	534.6	534.3
7.5°	546.4	546.3	546.4	546.0	545.7	546.2	546.6
10°	562.7	562.4	562.2	562.7	562.4	562.0	562.2
12.5°	580.8	580.8	580.6	580.8	580.6	580.2	579.9
15°	596.8	597.2	597.2	596.8	596.7	596.6	596.7
17.5°	606.8	606.6	606.6	606.6	606.4	606.6	606.9
20°	609.3	608.8	608.8	609.2	608.8	609.2	609.3
22.5°	605.8	605.8	605.8	606.0	606.3	606.3	606.6
25°	601.5	601.5	601.5	601.8	601.8	602.0	602.1
27.5°	598.0	598.0	598.0	598.4	598.4	598.5	598.8
30°	597.0	597.0	596.8	597.0	597.2	597.2	597.3
32.5°	601.0	600.6	600.4	600.2	599.8	599.8	599.7
35°	615.3	614.1	614.2	613.4	613.7	612.9	612.3
37.5°	650.0	648.8	647.4	645.6	644.6	645.9	645.9
40°	714.8	715.5	712.2	711.3	709.3	710.7	712.5
42.5°	811.0	811.9	812.6	807.6	807.4	806.4	803.4
45°	925.2	923.2	924.0	921.8	920.9	917.6	921.7
47.5°	1046.0	1047.4	1042.0	1040.2	1043.4	1038.0	1038.7
50°	1175.2	1175.5	1171.4	1170.6	1173.4	1163.2	1168.0
52.5°	1314.4	1315.0	1318.2	1314.4	1315.9	1313.5	1318.3
55°	1462.4	1473.7	1474.8	1478.8	1479.1	1484.1	1479.1
57.5°	1618.0	1630.8	1642.8	1659.1	1662.7	1660.8	1663.9
60°	1805.4	1838.8	1856.8	1882.4	1886.5	1897.6	1888.0
62.5°	2050.8	2102.8	2142.1	2161.9	2173.9	2197.2	2189.5
65°	2394.0	2455.9	2515.6	2544.1	2575.6	2608.6	2614.6
67.5°	2675.1	2744.0	2806.0	2855.4	2893.9	2918.2	2920.1
69°	2710.2	2783.4	2848.8	2903.8	2941.1	2966.0	2972.6
70°	2678.6	2753.4	2822.7	2875.1	2916.8	2942.2	2951.0
72.5°	2427.0	2516.0	2571.6	2625.0	2683.8	2691.4	2715.7
75°	1921.2	2001.1	2055.6	2069.6	2100.4	2139.1	2125.3
77.5°	1002.1	1036.9	1048.4	1023.9	1022.6	1045.3	1000.3
80°	190.8	191.1	188.0	186.8	189.0	186.8	183.6
82.5°	53.8	53.1	52.6	53.8	53.7	53.6	54.6
85°	24.9	24.2	23.0	23.0	23.6	22.7	23.1
87.5°	3.4	2.8	2.8	2.8	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)