

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: P180321

Luminaire Tested: **ICS-F01-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180321
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-F01-LED-E1-RW-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1959 lumens
Efficiency: N/A
Efficacy: 75.6 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: B1 - U0 - G1

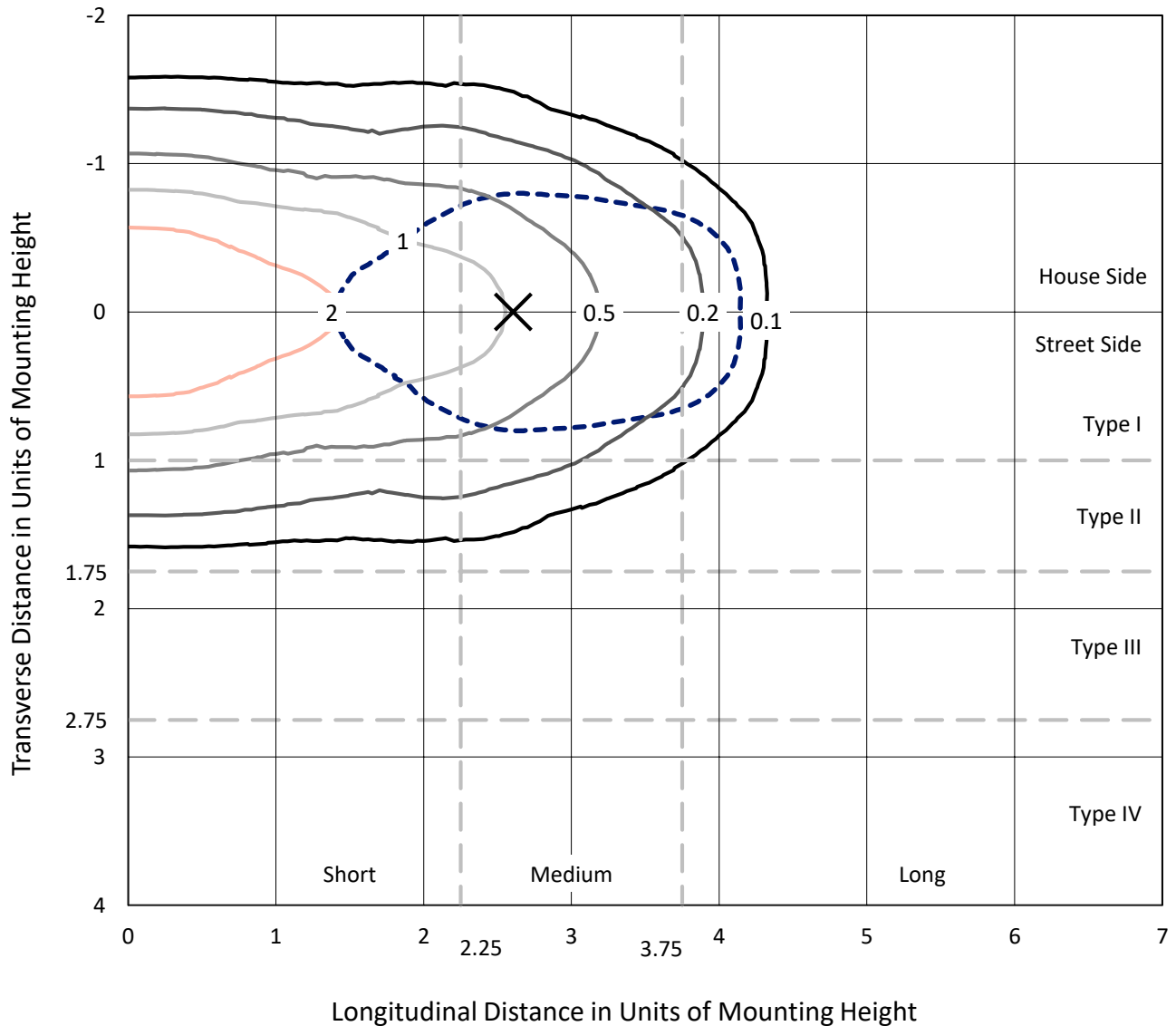
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180321
 CATALOG NUMBER: ICS-F01-LED-E1-RW-8030

Iso-Footcandle Lines of Horizontal Illumination

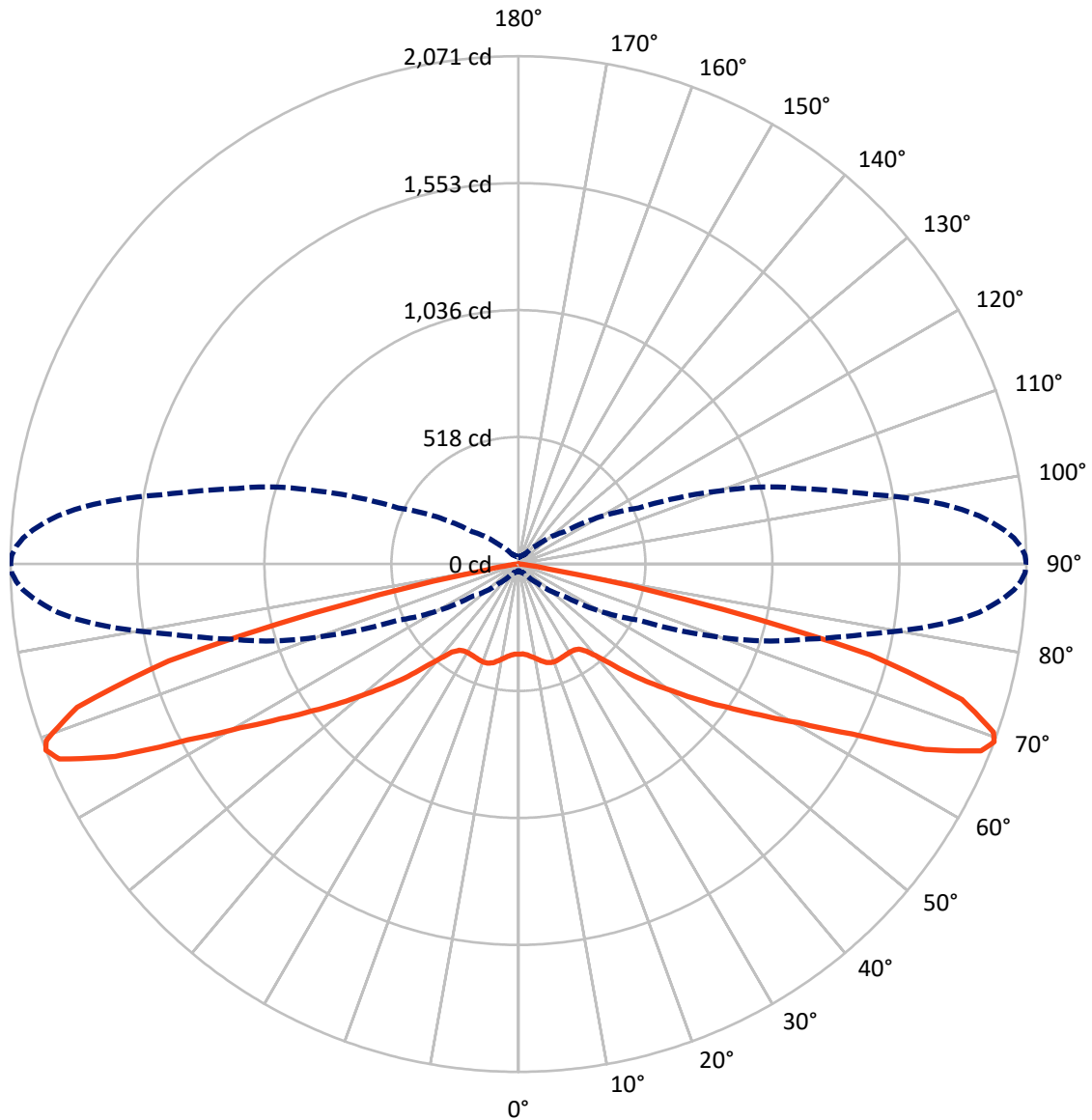
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P180321
CATALOG NUMBER: ICS-F01-LED-E1-RW-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180321

CATALOG NUMBER: ICS-F01-LED-E1-RW-8030

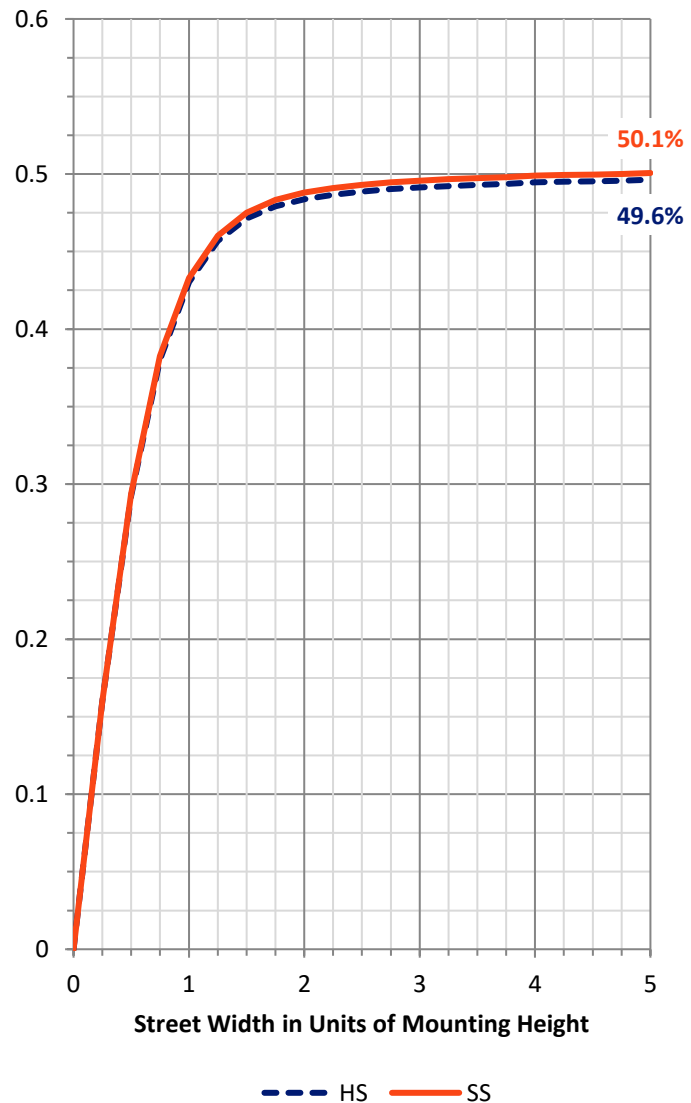
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	979.5	0.0	979.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	979.5	0.0	979.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1959.0	0.0	1959.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.8
10°-20°	113.6	5.8
20°-30°	184.0	9.4
30°-40°	229.3	11.7
40°-50°	286.6	14.6
50°-60°	353.9	18.1
60°-70°	439.7	22.4
70°-80°	291.9	14.9
80°-90°	24.1	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°	1959.0	100.0
0°-180°	1959.0	100.0



REPORT NUMBER: P180321

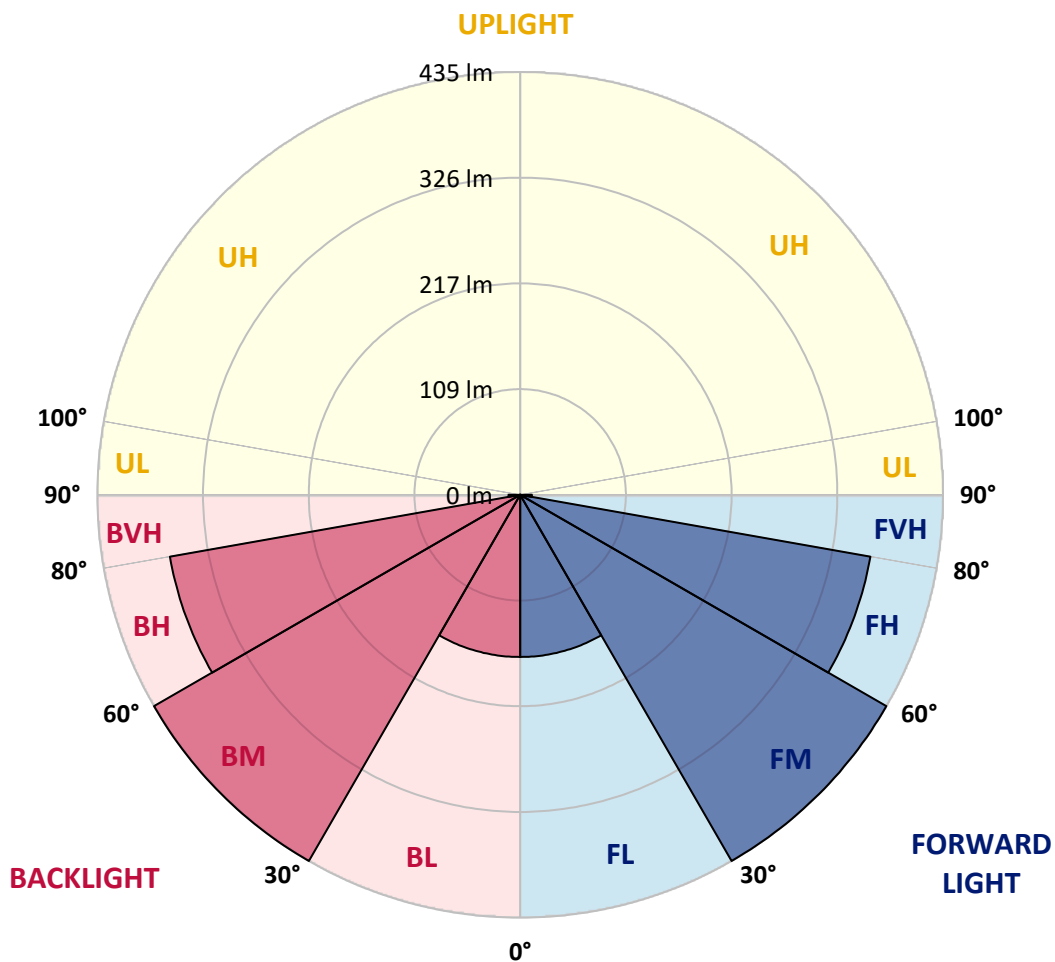
CATALOG NUMBER: ICS-F01-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.8	8.5			
FM	(30°-60°)	434.9	22.2			
FH	(60°-80°)	365.8	18.7			G0/660
FVH	(80°-90°)	12.0	0.6			G1/100
BL	(0°-30°)	166.8	8.5	B1/500		
BM	(30°-60°)	434.9	22.2	B1/1000		
BH	(60°-80°)	365.8	18.7	B1/500		G1/500
BVH	(80°-90°)	12.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short





REPORT NUMBER: P180321

CATALOG NUMBER: ICS-F01-LED-E1-RW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1
2.5°	368.7	369.0	368.8	369.2	369.2	369.2	369.0	368.5	368.2	368.1	368.1
5°	372.3	371.8	372.5	373.1	373.0	373.0	373.0	372.9	372.7	372.7	372.6
7.5°	376.0	376.0	376.4	378.0	378.2	378.8	379.6	380.2	380.2	380.3	380.2
10°	379.3	379.4	380.4	382.8	384.1	386.0	388.0	389.6	390.2	390.6	390.5
12.5°	381.9	382.0	383.6	387.4	390.4	394.2	398.4	400.8	401.9	402.1	402.3
15°	382.1	382.4	385.2	391.3	397.4	403.6	408.6	411.9	412.8	413.3	413.4
17.5°	379.4	379.6	384.2	393.3	403.4	413.0	418.4	419.8	420.2	420.4	420.3
20°	372.3	372.8	379.3	392.8	408.2	420.8	426.3	424.3	423.4	423.2	423.1
22.5°	360.8	360.7	369.2	387.3	409.2	426.8	431.8	426.5	423.4	422.8	422.4
25°	342.2	343.5	353.4	375.2	403.8	428.2	435.6	427.6	423.2	422.2	421.0
27.5°	322.0	322.8	333.3	356.6	391.4	423.5	437.5	430.0	425.0	423.6	422.2
30°	298.5	299.4	310.7	335.1	371.4	411.4	437.0	435.2	429.4	427.7	425.9
32.5°	275.5	276.6	286.7	313.4	350.4	394.8	433.8	442.6	436.6	434.8	433.0
35°	251.7	253.2	265.6	292.5	330.2	376.2	429.0	452.2	448.8	447.2	445.6
37.5°	231.9	232.2	244.2	272.5	311.4	358.6	422.6	464.2	466.6	466.6	466.8
40°	209.8	211.8	223.8	253.7	294.3	343.7	416.6	480.4	493.0	495.2	497.0
42.5°	190.1	190.3	202.4	233.2	275.8	331.6	413.2	500.1	526.8	531.7	536.6
45°	169.4	170.2	181.1	211.0	254.5	317.4	413.2	522.8	565.4	573.6	581.2
47.5°	149.6	150.0	161.6	189.2	230.0	297.6	412.4	547.2	605.2	617.2	627.1
50°	130.8	130.6	141.9	168.6	205.9	271.6	406.0	574.7	648.0	661.8	674.0
52.5°	109.3	110.8	122.6	148.1	184.0	245.1	387.4	605.0	692.6	708.5	723.8
55°	88.2	88.8	101.5	125.3	161.6	220.4	355.0	632.7	736.1	754.2	771.1
57.5°	65.0	66.9	78.0	101.5	139.1	199.6	313.8	647.2	772.9	793.8	813.9
60°	45.9	47.4	57.2	77.0	114.4	177.8	278.4	639.1	802.6	829.2	853.4
62.5°	35.8	36.8	44.8	57.6	89.2	156.0	253.0	613.1	835.5	870.2	903.2
65°	31.4	32.4	39.5	46.1	66.6	133.7	239.1	585.6	879.6	930.6	976.8
67.5°	28.3	29.6	35.7	40.4	54.2	116.6	235.5	568.2	901.2	967.7	1029.9
69°	27.0	28.2	33.8	37.6	50.4	110.6	229.2	541.0	872.0	943.1	1011.0
70°	26.1	27.2	32.3	36.2	49.1	106.4	218.8	506.9	832.0	903.8	974.7
72.5°	24.2	24.8	29.2	33.2	45.6	86.0	168.3	376.5	658.3	728.2	797.2
75°	21.4	22.0	26.2	30.0	35.5	53.4	106.5	232.8	443.2	495.4	559.3
77.5°	18.5	19.0	22.7	28.6	27.6	33.4	63.6	129.6	251.6	281.9	323.5
80°	14.8	15.5	18.7	28.4	22.8	25.9	45.8	90.6	123.6	132.6	142.6
82.5°	10.8	11.4	14.6	23.0	17.4	19.5	34.9	76.8	88.2	92.3	94.4
85°	5.6	5.6	9.4	14.0	11.0	10.2	19.6	52.6	59.9	60.9	62.4
87.5°	1.0	1.0	2.0	2.4	2.8	1.6	2.5	9.0	10.4	10.4	11.2
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: P180321

CATALOG NUMBER: ICS-F01-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1
2.5°	368.2	368.2	368.3	368.3	368.4	368.1	368.0	367.9	367.9	368.2	367.9
5°	372.7	372.7	372.8	373.0	372.9	372.7	372.6	372.7	372.4	372.3	372.5
7.5°	380.4	380.3	380.2	380.5	380.7	380.7	380.9	380.8	380.6	380.5	380.8
10°	390.9	390.8	390.8	391.2	391.5	391.5	391.8	391.5	391.4	391.6	391.6
12.5°	402.7	402.4	403.0	403.2	403.4	404.0	403.8	404.2	403.8	404.4	404.4
15°	413.7	413.8	414.3	414.5	414.6	415.1	415.2	415.4	415.0	415.2	416.0
17.5°	420.6	420.5	420.8	421.0	421.2	421.5	422.0	422.2	422.0	422.0	422.4
20°	422.9	422.6	422.6	422.8	422.8	423.1	423.4	423.5	423.5	423.6	424.0
22.5°	421.8	421.2	420.6	420.7	420.8	420.7	420.9	421.1	421.3	421.5	422.0
25°	420.2	419.0	418.0	417.9	417.6	417.6	417.7	417.8	418.0	418.2	418.7
27.5°	420.3	418.7	417.1	416.5	416.0	415.6	415.5	415.2	415.4	415.8	416.2
30°	423.9	421.4	419.1	418.4	417.6	416.9	416.3	415.6	415.2	415.4	415.6
32.5°	430.2	427.7	425.4	424.3	423.2	421.9	420.8	420.0	419.1	418.8	418.7
35°	443.5	441.6	439.6	438.3	436.4	435.4	434.0	432.0	430.5	430.4	429.6
37.5°	466.1	465.2	463.8	462.4	461.8	459.1	457.4	456.4	454.8	455.8	454.0
40°	498.6	500.2	501.5	500.7	501.0	500.2	499.2	500.2	499.0	498.8	499.1
42.5°	540.1	545.6	549.4	550.6	553.8	555.0	557.2	560.8	560.0	564.0	564.7
45°	588.2	596.1	603.8	609.5	615.7	622.8	629.8	635.4	639.8	639.6	644.4
47.5°	637.3	649.0	659.2	667.8	679.0	689.4	700.8	712.3	720.7	723.8	724.8
50°	687.1	700.5	714.4	727.1	742.2	758.8	776.8	794.8	803.8	811.0	816.0
52.5°	739.2	754.6	769.4	787.2	806.0	827.9	850.2	875.8	889.4	903.2	910.6
55°	788.8	806.0	821.3	845.1	868.1	894.2	923.5	955.8	979.4	995.6	1009.8
57.5°	833.8	852.1	870.9	897.8	927.0	957.6	994.7	1034.0	1059.6	1087.8	1113.2
60°	877.8	900.8	922.4	957.6	992.4	1030.3	1076.6	1126.2	1165.8	1204.2	1233.5
62.5°	936.1	965.7	992.6	1036.8	1082.2	1129.1	1184.2	1242.9	1300.4	1352.4	1391.9
65°	1022.3	1065.7	1105.9	1162.0	1219.3	1281.1	1346.8	1421.8	1490.8	1559.7	1616.2
67.5°	1087.7	1142.6	1194.4	1262.1	1329.6	1401.2	1480.6	1569.2	1654.6	1732.2	1801.0
69°	1074.9	1133.2	1189.2	1258.4	1328.5	1401.6	1481.6	1575.9	1664.6	1749.0	1822.8
70°	1035.8	1096.5	1154.6	1223.2	1294.2	1367.6	1451.3	1543.9	1634.7	1724.6	1799.2
72.5°	858.4	919.4	975.8	1046.0	1117.5	1194.5	1273.8	1364.0	1461.0	1557.1	1622.4
75°	615.4	669.3	724.0	783.4	853.1	916.6	989.2	1075.2	1156.8	1231.3	1281.2
77.5°	363.8	396.0	435.0	463.0	503.4	538.4	575.3	623.1	648.2	696.3	708.6
80°	148.3	147.4	153.2	147.4	148.7	144.0	139.0	138.0	130.2	140.0	132.8
82.5°	94.1	87.5	80.6	70.9	62.3	53.4	45.1	38.2	37.0	37.2	36.8
85°	62.0	59.2	52.8	44.5	36.2	29.1	23.3	18.4	18.2	17.8	17.8
87.5°	11.2	10.4	8.6	7.3	6.2	4.6	3.2	2.4	2.3	2.3	2.7
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: P180321

CATALOG NUMBER: ICS-F01-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°
0°	367.1	367.1	367.1	367.1	367.1	367.1	367.1
2.5°	367.9	367.9	367.8	368.0	367.9	367.6	367.3
5°	372.7	372.2	372.6	372.9	372.4	372.5	372.3
7.5°	380.8	380.7	380.8	380.4	380.2	380.5	380.9
10°	392.0	391.8	391.8	392.0	391.8	391.6	391.7
12.5°	404.6	404.7	404.6	404.6	404.6	404.2	404.1
15°	415.8	416.1	416.0	415.8	415.8	415.6	415.8
17.5°	422.8	422.6	422.7	422.6	422.6	422.7	422.9
20°	424.6	424.2	424.2	424.4	424.2	424.4	424.5
22.5°	422.2	422.2	422.1	422.2	422.4	422.4	422.7
25°	419.1	419.1	419.1	419.3	419.3	419.4	419.5
27.5°	416.7	416.7	416.7	417.0	416.9	417.0	417.2
30°	416.0	416.0	415.9	416.0	416.0	416.0	416.2
32.5°	418.8	418.5	418.4	418.2	418.0	418.0	417.9
35°	428.8	427.9	428.0	427.4	427.6	427.0	426.6
37.5°	452.8	452.0	451.1	449.8	449.1	450.0	450.0
40°	498.0	498.6	496.2	495.6	494.3	495.2	496.5
42.5°	565.1	565.7	566.2	562.7	562.6	561.9	559.8
45°	644.7	643.2	643.8	642.2	641.6	639.3	642.1
47.5°	728.8	729.8	726.0	724.7	726.9	723.2	723.7
50°	818.8	819.0	816.2	815.6	817.6	810.4	813.8
52.5°	915.8	916.2	918.4	915.8	916.8	915.1	918.5
55°	1019.0	1026.8	1027.5	1030.3	1030.6	1034.0	1030.5
57.5°	1127.3	1136.2	1144.6	1156.0	1158.4	1157.1	1159.3
60°	1257.8	1281.2	1293.7	1311.6	1314.4	1322.1	1315.4
62.5°	1428.8	1465.1	1492.4	1506.3	1514.6	1530.8	1525.5
65°	1668.0	1711.2	1752.8	1772.6	1794.6	1817.6	1821.7
67.5°	1863.8	1911.8	1955.0	1989.5	2016.2	2033.2	2034.5
69°	1888.3	1939.3	1984.8	2023.1	2049.2	2066.5	2071.1
70°	1866.2	1918.4	1966.6	2003.2	2032.2	2049.8	2056.0
72.5°	1691.0	1753.0	1791.7	1828.9	1869.8	1875.2	1892.2
75°	1338.6	1394.2	1432.2	1442.0	1463.4	1490.4	1480.8
77.5°	698.2	722.4	730.4	713.3	712.5	728.3	696.9
80°	133.0	133.2	131.0	130.1	131.7	130.1	127.9
82.5°	37.6	37.0	36.6	37.5	37.4	37.3	38.0
85°	17.4	16.8	16.0	16.0	16.4	15.8	16.1
87.5°	2.4	2.0	2.0	2.0	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)