

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: P181279

Luminaire Tested: **ICS-E01-LED-E1-T2-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181279  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
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-T2-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2327.4 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

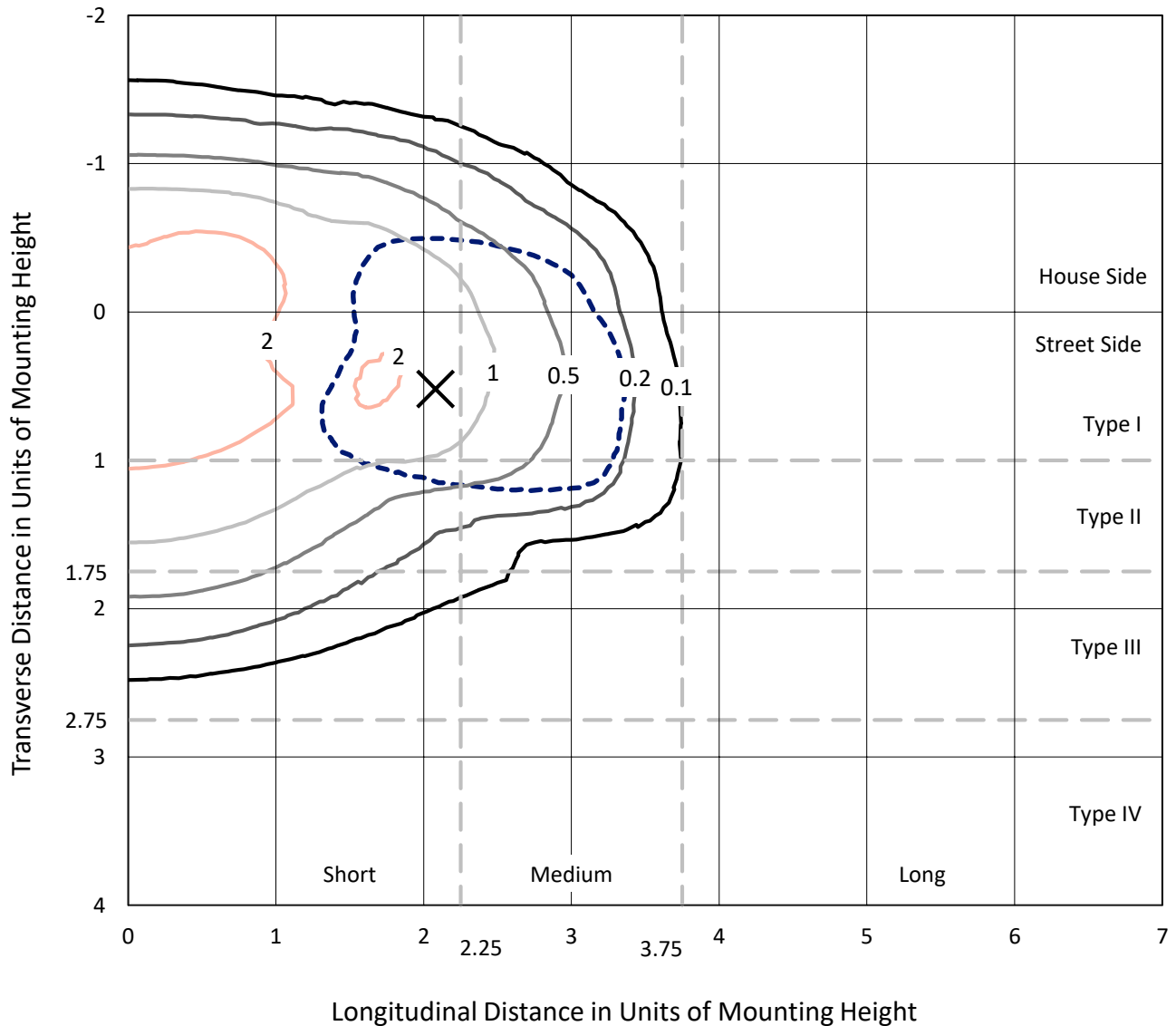
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P181279  
 CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

### Iso-Footcandle Lines of Horizontal Illumination

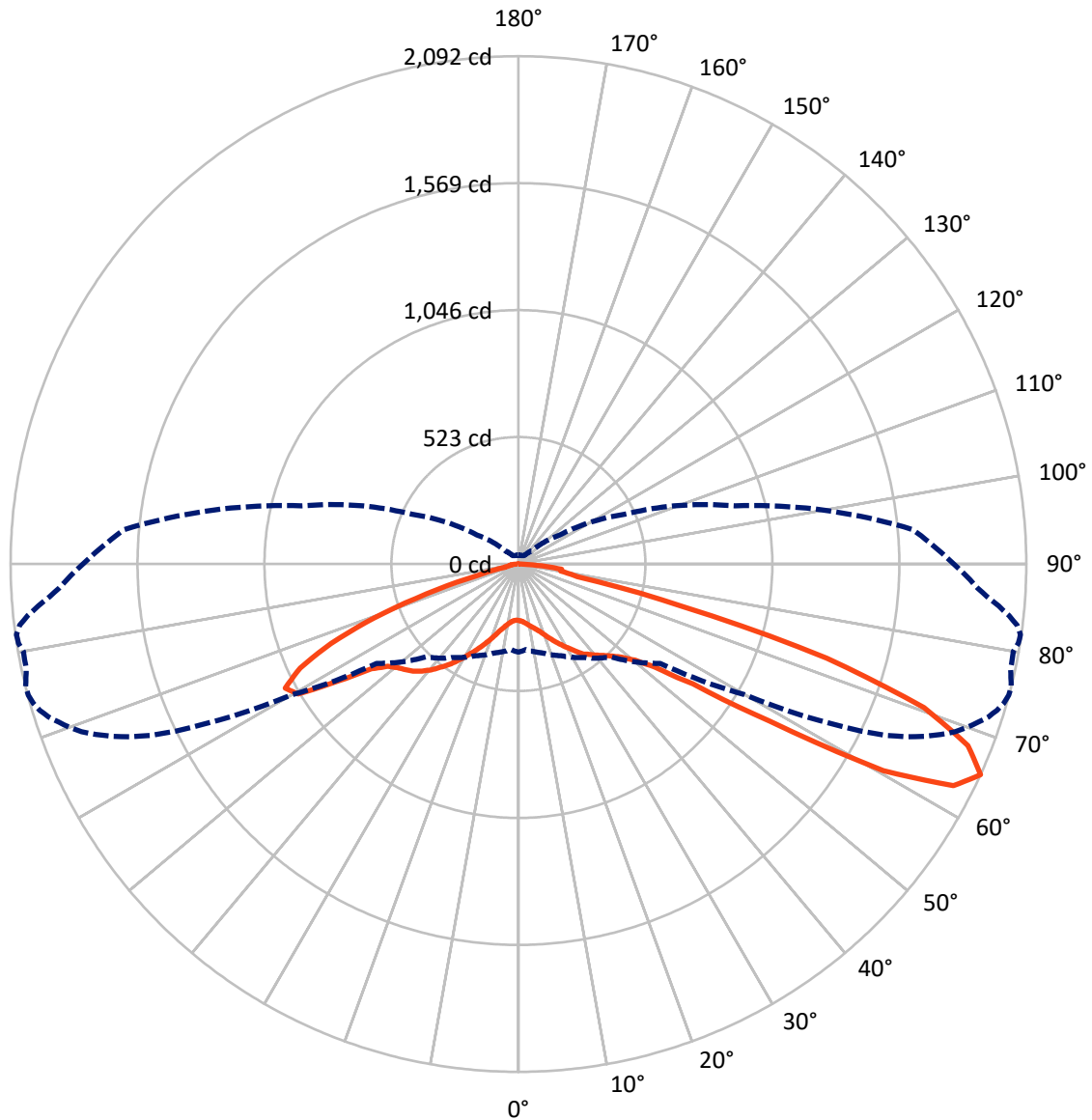
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P181279  
CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P181279

CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

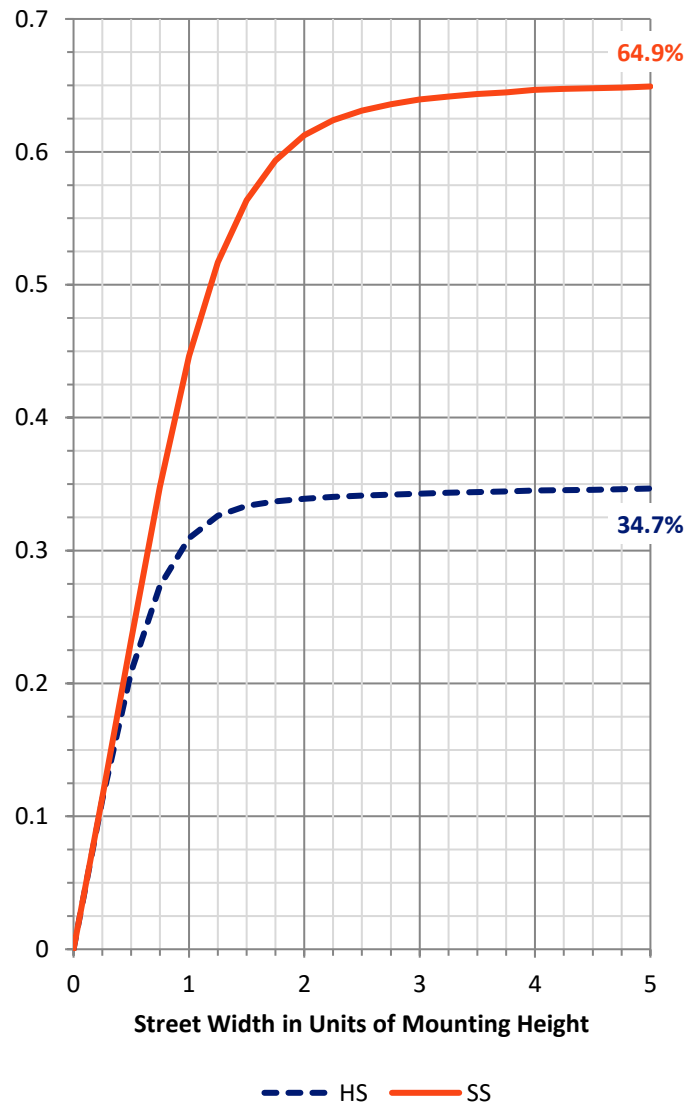
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	815.0	0.0	815.0
	% Fixture	35.0	0.0	35.0
<b>Street Side</b>	Lumens	1512.4	0.0	1512.4
	% Fixture	65.0	0.0	65.0
<b>Total</b>	Lumens	2327.4	0.0	2327.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.3	1.0
10°-20°	80.0	3.4
20°-30°	157.2	6.8
30°-40°	261.3	11.2
40°-50°	383.9	16.5
50°-60°	531.5	22.8
60°-70°	634.4	27.3
70°-80°	224.4	9.6
80°-90°	31.4	1.3
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°	2327.4	100.0
0°-180°	2327.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P181279

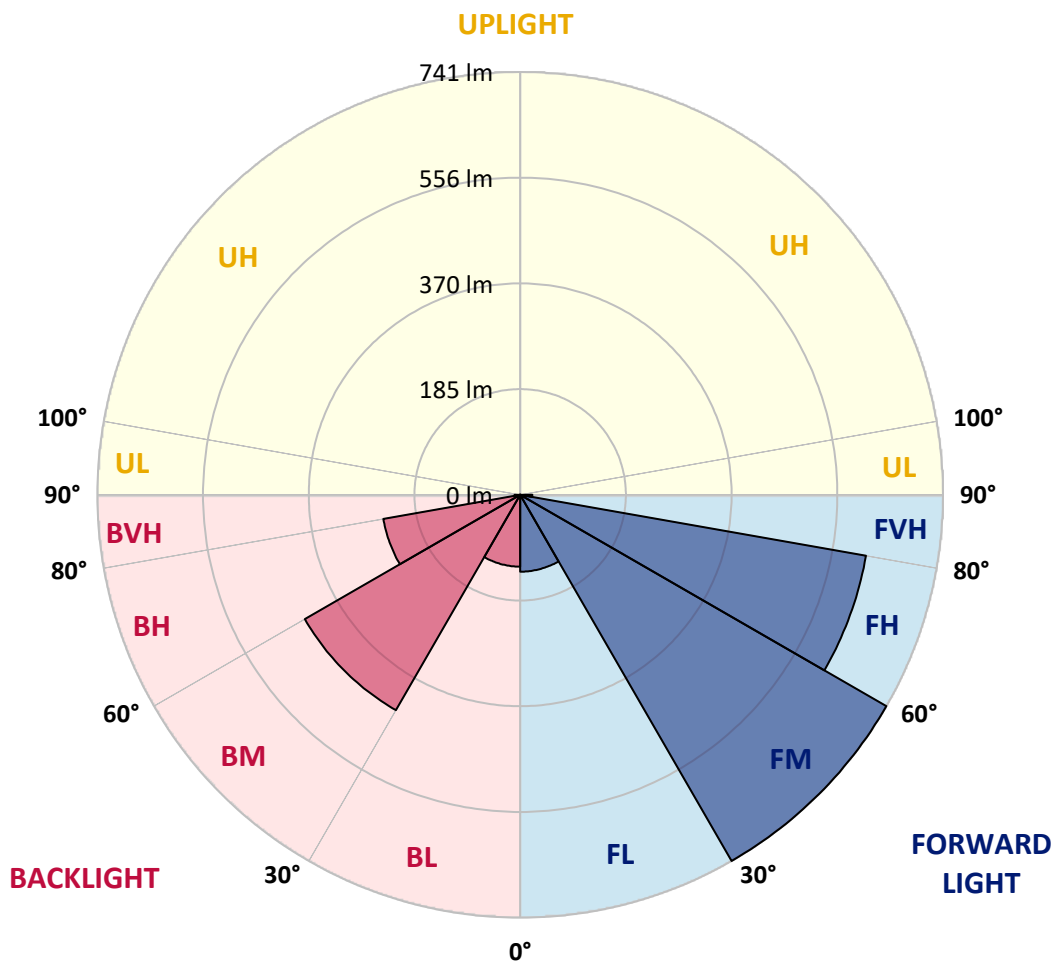
CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.7	5.8			
FM	(30°-60°)	741.0	31.8			
FH	(60°-80°)	615.3	26.4			G0/660
FVH	(80°-90°)	21.4	0.9			G1/100
BL	(0°-30°)	125.9	5.4	B1/500		
BM	(30°-60°)	435.7	18.7	B1/1000		
BH	(60°-80°)	243.4	10.5	B1/500		G1/500
BVH	(80°-90°)	9.9	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P181279

CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	242.8	243.1	242.6	242.3	241.6	240.3	239.3	238.3	238.3	238.3	237.5
5°	253.5	254.0	253.0	252.2	249.9	248.7	246.9	245.6	245.1	244.9	244.1
7.5°	266.9	266.1	264.6	264.1	262.3	259.5	256.2	253.7	253.7	253.5	253.7
10°	280.3	278.3	277.5	276.8	274.0	270.4	266.6	263.8	263.6	263.3	262.6
12.5°	293.7	293.0	292.2	289.4	286.6	281.1	276.8	274.0	273.7	274.0	273.0
15°	311.4	309.7	308.9	304.1	298.0	292.0	286.6	284.1	283.3	283.6	282.8
17.5°	325.1	325.1	323.4	318.0	310.2	301.8	296.3	294.7	294.5	294.5	294.7
20°	336.0	335.8	334.0	329.7	320.3	312.0	309.2	308.7	308.4	308.4	309.2
22.5°	342.1	341.6	340.8	336.0	328.7	323.1	323.4	324.9	325.4	325.9	326.9
25°	345.1	344.4	344.1	340.8	335.5	334.7	339.3	343.4	344.4	345.4	346.6
27.5°	350.2	348.9	349.4	348.2	346.9	349.2	358.5	362.9	363.6	364.9	365.6
30°	364.1	363.6	365.6	366.1	367.2	370.4	379.1	383.1	384.9	384.9	388.4
32.5°	390.7	391.0	391.5	396.8	398.6	400.8	405.4	408.7	408.9	409.2	412.5
35°	426.4	427.9	432.2	436.8	441.1	440.8	438.1	439.8	438.6	440.1	440.3
37.5°	471.5	469.5	475.8	486.2	492.7	491.0	478.6	470.5	472.7	471.7	471.0
40°	506.2	508.4	520.6	534.3	539.3	544.9	528.7	514.8	512.8	509.0	506.7
42.5°	554.0	554.3	564.2	574.3	589.0	601.1	590.7	570.7	564.7	560.1	550.2
45°	598.3	597.6	605.7	618.1	635.6	653.0	656.8	635.1	632.8	624.7	611.8
47.5°	628.0	627.0	632.5	648.7	677.1	705.7	721.4	714.8	710.5	707.2	687.0
50°	648.0	645.9	652.3	669.5	701.1	745.2	786.2	791.8	790.0	790.0	777.1
52.5°	662.9	662.9	667.5	681.4	713.5	768.5	841.9	870.0	872.3	874.8	874.1
55°	654.6	655.8	667.2	687.5	721.4	784.7	888.0	949.5	962.2	972.8	985.0
57.5°	625.9	630.2	645.4	678.6	723.4	796.9	939.2	1061.0	1096.7	1127.5	1175.7
60°	584.2	589.7	611.8	654.0	708.5	777.1	957.1	1155.1	1211.9	1279.2	1404.8
62.5°	512.5	518.1	539.6	581.9	628.5	701.4	882.7	1169.1	1259.7	1355.2	1545.1
65°	363.1	354.2	379.1	417.0	470.5	541.1	713.3	1075.6	1206.0	1335.4	1569.9
67.5°	202.3	201.6	216.7	245.1	296.3	372.2	491.5	825.0	945.0	1091.6	1379.5
70°	139.5	141.0	150.7	181.3	223.6	289.2	350.2	518.1	604.4	703.9	987.0
72.5°	98.0	101.3	106.6	124.8	168.1	243.6	357.8	309.7	352.7	420.6	593.5
75°	57.5	59.8	63.6	72.4	95.7	162.8	370.4	272.2	272.2	288.2	359.1
77.5°	35.4	35.4	37.7	41.3	50.9	79.8	263.8	305.9	297.3	288.2	288.9
80°	18.2	19.5	22.8	24.6	28.4	36.5	118.5	285.4	313.0	331.5	318.5
82.5°	8.4	9.4	13.9	14.9	16.5	19.2	40.8	162.3	217.5	286.4	357.8
85°	4.3	4.3	7.3	9.1	9.9	8.9	14.9	65.6	99.3	151.4	237.0
87.5°	0.8	0.8	1.3	1.5	2.3	2.0	2.5	3.8	6.3	6.8	7.1
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: P181279

CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	237.3	237.5	237.3	237.0	236.5	236.5	236.5	236.2	236.2	236.2	236.0
5°	244.1	243.1	243.3	242.8	242.6	242.3	242.6	242.1	241.6	241.8	241.6
7.5°	252.7	252.2	251.2	251.2	250.9	250.4	250.4	249.7	249.4	248.9	248.7
10°	262.3	261.1	261.6	261.1	261.3	260.3	259.8	259.3	258.8	258.8	259.0
12.5°	272.2	271.9	271.2	270.7	270.7	269.9	270.2	269.9	269.2	268.9	268.2
15°	282.3	282.3	281.6	281.8	281.6	281.1	280.6	280.6	280.1	279.5	279.8
17.5°	294.2	294.2	294.2	294.2	294.5	293.7	294.0	293.5	293.0	294.0	294.0
20°	309.7	310.7	310.7	310.4	311.7	310.9	310.7	312.0	310.7	312.5	312.2
22.5°	327.4	328.4	328.4	329.4	329.7	330.4	330.9	330.4	331.5	332.5	332.5
25°	347.2	348.2	348.9	350.4	351.2	350.7	351.0	352.2	352.7	353.7	354.7
27.5°	367.9	368.2	369.2	371.0	372.2	372.7	373.0	375.0	375.3	375.8	376.8
30°	388.2	390.7	390.2	392.5	393.2	394.0	395.5	396.3	398.0	399.1	399.1
32.5°	412.0	411.5	413.5	415.3	416.5	417.8	419.1	420.1	421.1	421.6	424.1
35°	441.6	442.6	442.6	442.9	445.9	446.2	447.2	449.4	450.2	451.7	452.7
37.5°	471.0	469.2	468.9	468.9	467.9	468.7	468.9	469.2	470.2	470.5	471.5
40°	503.9	501.6	499.6	498.3	496.3	493.5	493.0	491.7	492.5	492.2	492.5
42.5°	549.0	542.6	537.8	534.3	530.2	527.2	524.9	521.6	519.3	516.6	516.0
45°	606.4	594.5	586.4	580.6	574.8	566.4	561.6	556.6	552.0	547.4	543.6
47.5°	681.9	669.2	656.3	645.7	636.6	623.2	609.5	601.9	593.0	585.2	579.6
50°	770.8	755.6	749.5	734.6	723.2	702.9	685.9	673.5	655.8	643.9	633.5
52.5°	861.7	857.9	854.6	841.9	828.5	816.9	801.9	780.1	762.2	748.5	727.2
55°	985.5	987.3	986.0	979.2	974.4	963.2	957.1	938.1	930.0	910.3	888.0
57.5°	1193.9	1208.1	1226.0	1233.1	1242.8	1233.6	1244.3	1257.2	1225.0	1236.2	1216.2
60°	1460.0	1525.1	1563.8	1611.4	1642.6	1686.1	1694.0	1705.4	1702.1	1708.4	1721.3
62.5°	1622.6	1699.8	1774.0	1827.9	1885.7	1917.6	1956.1	1982.9	2010.7	2029.5	2024.2
65°	1670.4	1749.9	1817.3	1876.3	1927.9	1966.9	2002.6	2036.3	2061.9	2079.9	2090.5
67.5°	1494.7	1598.5	1669.4	1738.5	1805.1	1846.2	1876.0	1908.7	1946.2	1977.3	1983.4
70°	1124.8	1280.5	1381.0	1463.8	1542.1	1597.3	1639.0	1669.4	1698.5	1720.8	1745.1
72.5°	703.4	839.6	954.6	1062.0	1145.0	1221.0	1256.2	1323.5	1314.7	1331.6	1349.9
75°	421.6	487.9	551.2	627.0	670.5	733.8	745.2	756.3	750.5	731.5	745.7
77.5°	293.0	303.9	303.3	299.0	294.5	283.3	268.9	261.1	255.7	248.1	251.2
80°	294.7	271.2	235.2	197.8	163.3	140.5	131.4	131.4	140.8	154.2	167.6
82.5°	352.2	327.1	291.7	244.1	193.5	157.5	133.4	123.8	125.6	139.3	156.5
85°	237.5	243.1	213.2	195.0	154.5	120.3	100.8	81.8	72.4	74.7	84.6
87.5°	8.6	10.4	3.8	5.1	3.5	3.0	3.0	3.3	2.3	2.8	2.5
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: P181279

CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	235.7	235.5	235.5	235.0	235.0	234.7	234.7	234.5	234.2	234.2	234.0
5°	241.3	241.1	240.6	240.3	239.8	239.8	239.5	239.0	239.0	238.5	238.3
7.5°	249.2	248.7	248.1	247.9	247.6	246.9	246.9	246.4	246.4	245.9	245.6
10°	258.5	258.0	257.5	257.8	257.0	256.8	256.2	256.2	255.5	255.2	255.2
12.5°	268.7	268.4	268.4	267.6	267.4	267.1	266.1	266.1	266.1	265.6	265.9
15°	279.5	279.8	279.0	279.8	279.5	278.8	278.8	278.8	277.8	279.0	278.0
17.5°	294.2	295.0	294.5	294.7	294.2	294.2	294.5	294.2	294.7	294.7	296.3
20°	312.5	312.7	314.0	313.5	313.5	313.2	313.7	314.0	315.0	314.5	315.5
22.5°	332.5	333.7	334.0	335.0	335.0	334.7	335.3	336.3	336.8	337.5	337.3
25°	355.3	356.0	357.0	355.8	357.8	357.8	358.3	359.6	359.8	359.8	361.6
27.5°	376.5	378.6	378.8	380.1	379.3	379.8	381.6	382.3	383.4	383.4	383.9
30°	400.6	401.3	401.8	403.4	403.1	403.4	403.6	404.9	404.9	406.2	407.4
32.5°	425.4	425.9	426.4	427.9	428.4	429.4	428.9	430.0	431.2	431.5	432.2
35°	455.0	455.5	456.0	458.3	458.6	460.3	460.8	460.3	462.4	461.1	462.4
37.5°	472.2	474.5	475.0	476.5	476.0	477.3	478.1	479.1	479.6	480.6	482.6
40°	493.3	494.0	495.5	496.3	497.3	497.6	498.6	499.3	500.1	502.4	504.6
42.5°	514.8	515.8	516.6	517.6	518.8	519.8	520.6	522.9	523.4	524.9	529.2
45°	540.9	540.4	540.6	540.9	541.4	542.6	544.9	547.2	548.7	552.3	555.8
47.5°	573.3	570.0	568.7	566.7	567.2	570.0	570.5	574.3	577.3	580.6	584.9
50°	622.4	613.5	608.2	602.9	602.4	603.9	605.9	610.0	613.5	617.8	623.9
52.5°	704.9	688.0	677.3	662.7	658.6	657.8	656.3	658.6	659.6	665.4	676.8
55°	872.1	840.7	820.4	797.6	776.3	770.0	757.9	760.4	757.9	761.4	778.4
57.5°	1221.0	1195.9	1176.2	1147.0	1110.6	1071.8	1062.2	1022.5	1030.3	1053.1	1038.4
60°	1727.7	1718.5	1704.4	1690.4	1640.6	1612.4	1566.6	1561.6	1529.4	1529.6	1508.6
62.5°	2011.3	2022.9	2014.3	2010.2	2007.5	1998.6	1975.8	1948.5	1907.4	1877.8	1834.3
65°	2092.3	2082.4	2073.0	2071.8	2071.0	2085.4	2088.7	2069.5	2032.3	1986.2	1936.1
67.5°	1997.8	1992.3	1992.8	1982.1	1988.7	2013.8	2031.3	2025.9	1991.8	1936.1	1872.2
70°	1773.0	1762.1	1773.2	1787.2	1797.0	1811.5	1828.9	1833.2	1802.1	1744.9	1679.8
72.5°	1327.6	1329.4	1340.0	1343.8	1383.5	1379.5	1395.2	1344.0	1321.5	1267.1	1233.6
75°	698.6	687.2	716.8	654.0	628.2	646.2	595.8	547.4	557.6	565.9	505.7
77.5°	246.9	230.9	203.8	192.9	160.5	136.0	111.2	100.3	94.4	91.4	87.6
80°	177.2	182.3	176.7	163.6	139.0	111.4	87.9	69.4	59.5	54.2	50.6
82.5°	179.3	199.3	208.1	204.3	182.1	137.7	90.9	58.0	43.0	36.0	33.4
85°	96.2	105.3	101.3	85.3	76.7	45.8	31.4	21.0	17.7	16.2	14.9
87.5°	3.8	3.0	2.5	2.5	2.8	3.0	2.5	2.8	2.5	2.5	2.5
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: P181279

CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	233.5	233.5	233.5	233.2	232.7	231.4	230.2	229.2	228.4	227.6	226.6
5°	238.0	237.5	237.5	237.5	235.5	233.5	231.7	229.9	228.4	227.1	226.1
7.5°	245.6	245.4	244.3	244.1	242.6	239.3	237.3	234.2	232.4	230.7	230.2
10°	254.7	254.5	254.2	254.0	251.9	248.7	246.1	243.3	240.8	238.3	235.7
12.5°	265.4	265.1	264.9	264.1	263.3	261.6	258.8	255.7	252.7	247.4	244.6
15°	278.5	279.0	278.5	278.3	277.8	278.0	276.3	271.9	267.1	260.3	254.5
17.5°	296.0	295.5	295.2	296.3	296.0	297.3	296.8	291.2	283.8	273.0	262.8
20°	315.2	315.2	316.3	317.0	319.3	322.6	321.1	314.2	300.8	285.6	272.5
22.5°	338.3	338.8	339.8	339.3	342.8	348.2	348.7	339.0	321.6	300.6	282.1
25°	362.3	362.9	361.8	363.4	369.2	376.8	378.3	364.6	341.6	314.2	290.2
27.5°	385.1	385.6	385.6	387.7	393.2	406.2	407.7	392.5	361.8	326.1	296.0
30°	407.4	409.4	409.9	410.5	418.8	436.8	440.1	418.1	379.6	335.0	300.1
32.5°	435.5	436.3	437.3	438.6	448.2	470.2	470.2	440.1	391.0	340.6	300.8
35°	465.7	465.9	468.2	468.4	482.1	504.1	499.8	458.3	399.1	339.3	295.2
37.5°	483.9	484.9	487.2	490.2	504.6	535.8	525.9	474.0	400.6	330.9	282.6
40°	506.4	508.4	510.7	513.8	535.3	568.0	547.9	483.9	394.2	314.5	263.6
42.5°	530.7	533.5	537.1	542.6	568.2	596.3	564.7	485.4	379.8	296.0	241.1
45°	558.1	563.1	567.2	573.8	602.6	620.9	574.8	476.5	361.6	271.7	217.0
47.5°	589.7	593.8	600.9	608.0	636.8	637.6	575.8	459.3	336.8	247.4	191.4
50°	628.7	631.3	641.9	646.2	673.3	655.1	568.5	436.0	310.7	220.0	163.1
52.5°	680.6	684.2	697.8	704.4	723.7	678.9	558.1	410.7	280.8	189.4	133.9
55°	783.2	798.6	808.2	819.6	832.1	732.8	553.5	383.6	247.1	154.0	106.1
57.5°	1071.1	1066.0	1087.3	1113.1	1112.9	856.1	580.9	360.3	207.4	117.7	81.5
60°	1500.0	1504.8	1493.9	1509.4	1460.3	1009.0	618.3	335.8	162.6	87.6	62.3
62.5°	1818.8	1791.0	1775.5	1757.3	1649.2	1025.8	591.0	285.4	118.2	61.5	47.9
65°	1894.3	1861.6	1828.4	1793.7	1630.7	924.7	484.9	209.4	76.5	42.3	38.0
67.5°	1819.8	1767.4	1725.1	1689.4	1494.2	766.5	354.5	128.6	43.8	34.2	32.4
70°	1626.9	1568.9	1500.5	1460.5	1258.2	564.9	227.1	69.4	33.7	30.4	29.6
72.5°	1190.9	1143.2	1068.6	1022.7	903.5	343.4	126.9	39.0	31.4	29.1	28.1
75°	463.9	439.1	407.9	410.5	366.4	151.9	57.5	33.7	30.6	28.6	27.6
77.5°	79.8	77.7	71.9	71.9	81.8	55.5	38.2	33.9	30.4	28.1	26.3
80°	47.9	46.8	44.6	44.1	42.5	39.0	36.7	34.4	29.9	26.6	24.3
82.5°	31.4	30.1	29.4	29.1	31.7	34.2	34.4	34.2	28.4	23.0	19.8
85°	13.4	13.4	13.4	13.7	18.2	27.6	28.4	30.4	23.3	18.0	14.2
87.5°	2.3	2.8	2.8	3.0	3.3	6.1	7.6	9.9	7.8	7.6	6.8
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: P181279

CATALOG NUMBER: ICS-E01-LED-E1-T2-8030

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	232.7	232.7	232.7
2.5°	226.4	225.9	225.9
5°	225.6	225.1	225.4
7.5°	228.6	227.6	227.9
10°	234.2	233.2	232.7
12.5°	241.3	240.0	240.0
15°	248.7	245.6	245.4
17.5°	254.7	250.9	250.4
20°	261.6	256.5	255.7
22.5°	267.9	261.1	260.0
25°	272.5	264.1	262.8
27.5°	274.5	264.6	263.6
30°	276.0	264.9	263.3
32.5°	274.5	262.6	261.3
35°	266.1	253.2	252.5
37.5°	251.7	237.3	236.2
40°	232.7	217.5	215.0
42.5°	208.4	194.2	191.4
45°	184.8	168.6	167.4
47.5°	159.5	144.1	144.8
50°	132.9	119.0	118.8
52.5°	107.6	95.5	94.7
55°	84.8	76.2	75.5
57.5°	67.1	62.5	61.8
60°	54.7	52.4	51.7
62.5°	44.1	43.3	43.0
65°	36.7	36.7	36.7
67.5°	31.9	32.2	32.2
70°	29.4	29.6	29.4
72.5°	28.4	29.1	29.1
75°	27.6	28.1	27.1
77.5°	27.1	27.3	25.6
80°	26.8	26.6	23.3
82.5°	23.3	22.5	19.8
85°	21.3	16.2	13.7
87.5°	10.9	7.6	5.8
90°	0.0	0.0	0.0

(END OF REPORT)