

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: P180627

Luminaire Tested: **ICS-E02-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180627
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
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-SL3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2850.6 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

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



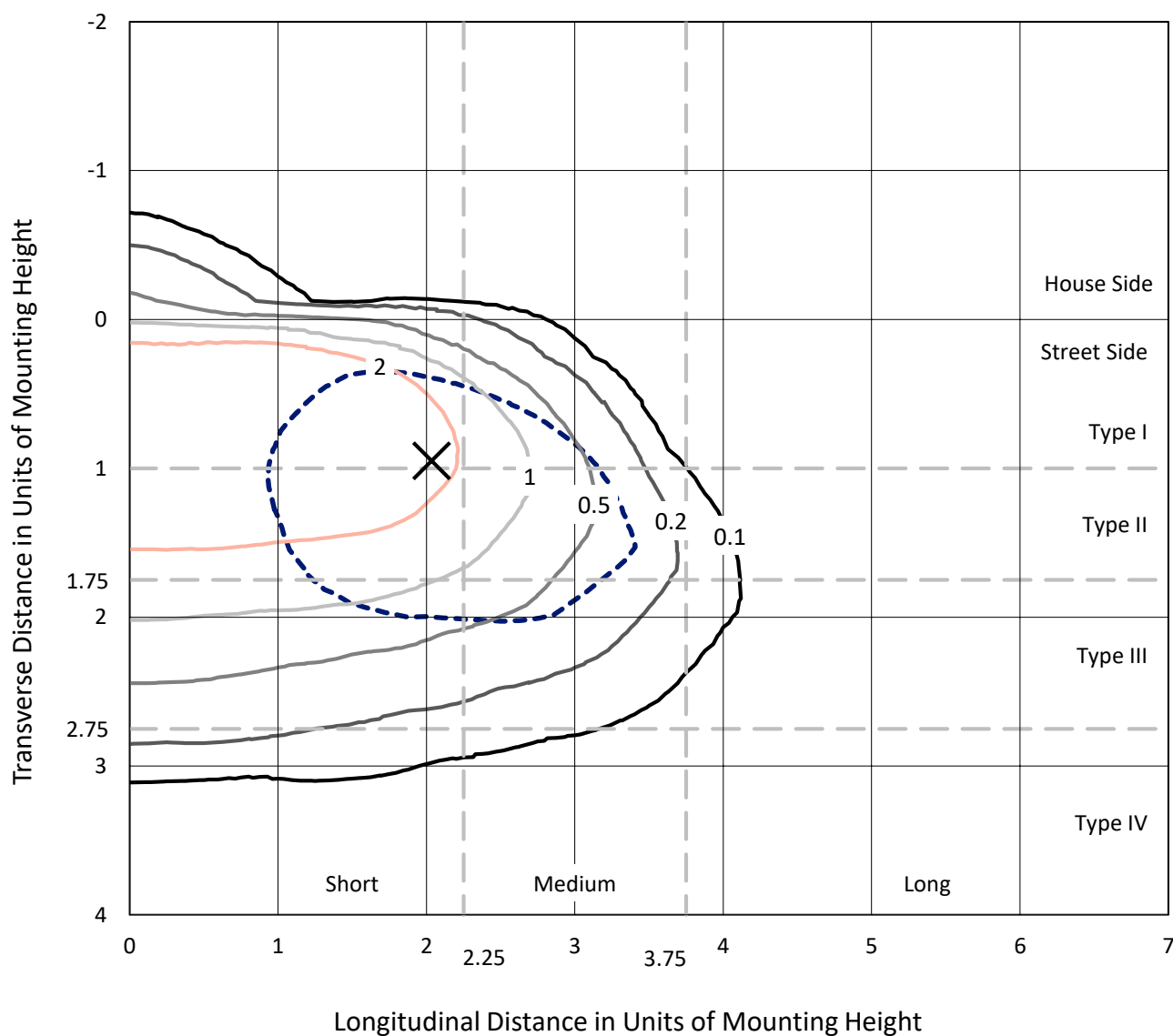
REPORT NUMBER: P180627

CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

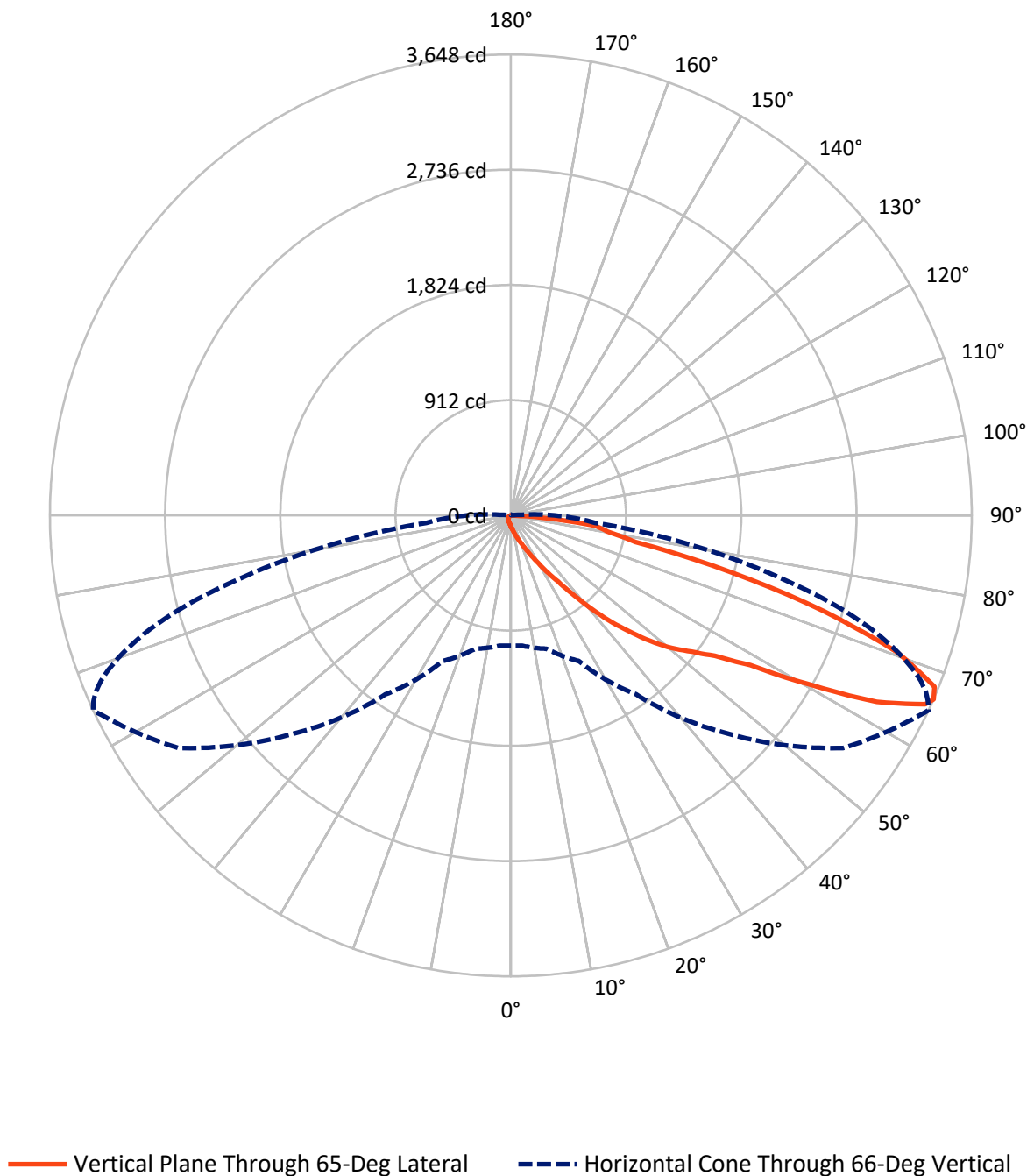


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
Type III - Short - Non-Cutoff

REPORT NUMBER: P180627

CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P180627

CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	61.8	0.0	61.8
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	2788.8	0.0	2788.8
	% Fixture	97.8	0.0	97.8
Total	Lumens	2850.6	0.0	2850.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.3
10°-20°	40.8	1.4
20°-30°	88.1	3.1
30°-40°	188.1	6.6
40°-50°	416.0	14.6
50°-60°	705.0	24.7
60°-70°	940.8	33.0
70°-80°	414.4	14.5
80°-90°	47.7	1.7
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°	2850.6	100.0
0°-180°	2850.6	100.0

Coefficient of Utilization



REPORT NUMBER: P180627

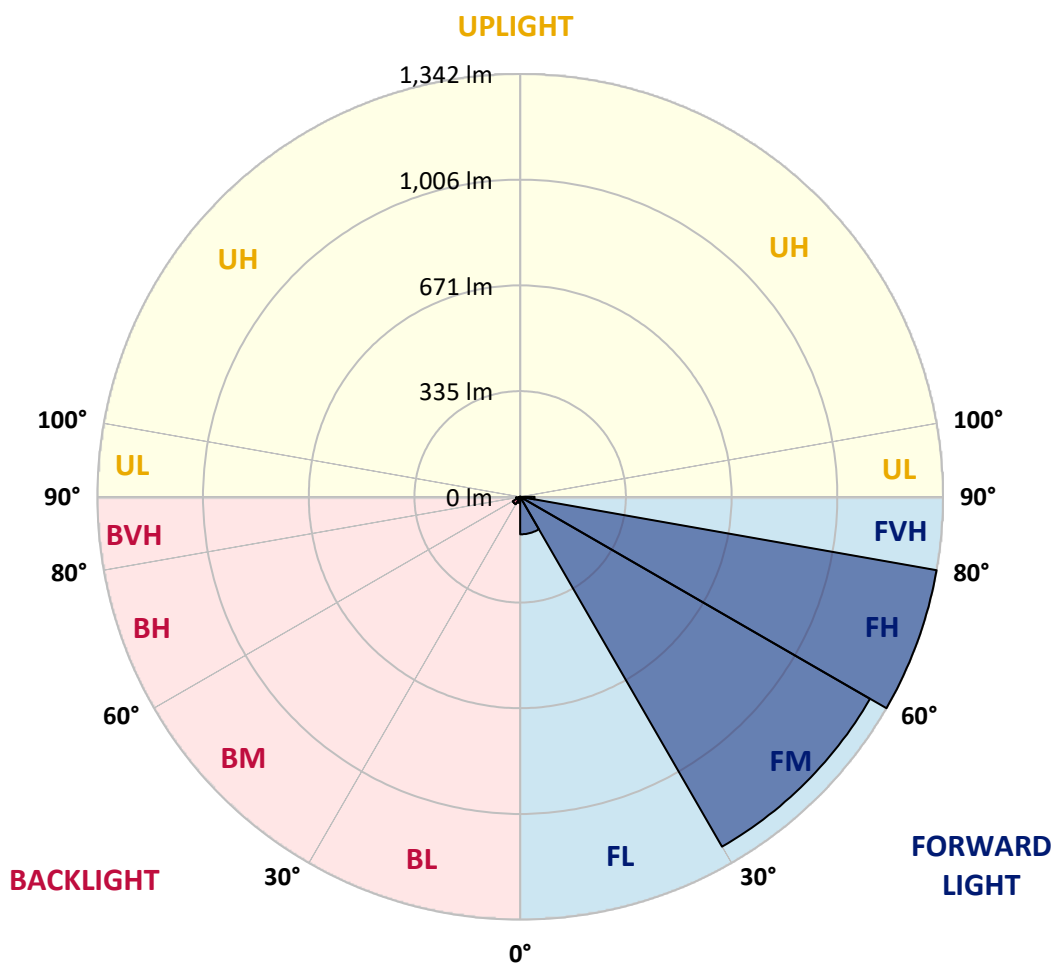
CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.1	4.2			
FM	(30°-60°)	1282.0	45.0			
FH	(60°-80°)	1341.9	47.1			G1/1800
FVH	(80°-90°)	45.8	1.6			G1/100
BL	(0°-30°)	19.5	0.7	B0/110		
BM	(30°-60°)	27.1	1.0	B0/220		
BH	(60°-80°)	13.2	0.5	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



REPORT NUMBER: P180627

CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	108.5	108.0	105.8	105.8	102.5	100.3	97.6	94.8	94.8	94.3	93.7
5°	143.6	140.3	139.8	133.7	128.8	121.7	115.1	106.3	105.2	104.1	103.6
7.5°	182.5	181.9	177.0	169.9	160.0	146.9	133.7	119.5	117.3	116.2	114.0
10°	232.9	230.2	223.6	211.5	196.7	179.2	157.8	135.4	132.6	130.4	129.3
12.5°	281.1	276.2	272.4	257.0	238.4	212.6	186.9	154.5	152.4	149.6	145.2
15°	326.1	321.7	315.1	302.0	281.1	248.8	218.7	179.2	173.7	169.9	166.6
17.5°	361.2	358.4	350.7	335.9	313.5	285.0	248.8	204.4	200.0	195.1	189.1
20°	394.6	390.8	378.7	358.4	334.3	312.4	284.4	237.3	231.3	225.2	218.7
22.5°	426.4	422.5	402.8	369.4	343.6	334.3	324.4	274.6	265.3	260.3	253.7
25°	470.8	462.5	431.9	378.7	344.2	351.3	368.3	322.8	314.0	306.9	296.5
27.5°	530.5	519.5	471.3	392.4	346.4	369.9	418.7	381.4	372.1	363.9	352.4
30°	597.9	590.8	533.2	425.3	362.3	397.3	475.2	456.0	445.0	435.1	421.4
32.5°	665.9	656.0	599.0	487.8	405.0	450.5	545.8	542.6	528.3	519.0	504.2
35°	725.6	720.7	678.5	590.2	502.6	543.7	640.1	643.9	631.3	621.5	605.0
37.5°	766.2	766.2	757.9	700.4	657.6	688.3	778.8	779.3	766.7	744.2	736.0
40°	787.0	793.0	822.6	833.6	831.4	870.8	960.7	950.8	940.4	928.9	901.5
42.5°	829.7	835.2	898.2	973.9	1023.2	1075.3	1137.2	1133.9	1121.3	1100.5	1075.3
45°	902.1	909.2	984.3	1104.3	1205.7	1279.7	1319.1	1303.8	1291.2	1271.5	1258.3
47.5°	994.1	1007.8	1092.8	1241.3	1363.5	1485.7	1526.8	1486.3	1475.3	1460.0	1438.6
50°	1092.2	1105.4	1195.8	1365.7	1503.8	1649.6	1718.1	1649.6	1633.7	1628.8	1604.7
52.5°	1177.2	1188.2	1275.3	1461.6	1611.2	1782.2	1882.0	1791.5	1780.0	1763.6	1746.1
55°	1227.6	1236.4	1318.0	1507.7	1684.1	1901.7	2040.4	1960.9	1943.9	1937.3	1912.1
57.5°	1244.6	1253.4	1326.8	1513.7	1723.6	2010.8	2232.7	2235.5	2215.2	2191.6	2183.9
60°	1244.6	1254.5	1316.4	1498.9	1761.9	2126.9	2489.2	2717.7	2673.9	2669.5	2641.6
62.5°	1193.1	1202.4	1264.9	1453.4	1813.5	2283.7	2846.5	3249.9	3237.3	3208.8	3162.7
65°	1081.3	1086.8	1148.1	1337.2	1793.7	2427.8	3156.2	3603.9	3583.6	3527.7	3468.5
66°	1030.9	1035.2	1092.8	1270.9	1729.1	2447.5	3211.0	3648.3	3614.9	3567.7	3500.9
67.5°	958.0	965.6	1006.2	1147.6	1574.0	2379.0	3176.4	3617.1	3588.0	3531.0	3464.2
70°	639.6	634.1	777.1	880.7	1199.1	1938.4	2849.8	3247.7	3248.2	3221.4	3194.5
72.5°	303.6	306.9	348.6	542.0	784.8	1295.0	2268.3	2592.2	2629.5	2581.3	2547.8
75°	218.1	223.1	248.3	331.6	468.0	777.1	1470.4	1812.9	1814.0	1728.5	1652.3
77.5°	63.6	66.3	93.2	204.4	350.7	524.5	844.5	1007.8	984.3	922.9	865.4
80°	26.3	26.3	27.4	65.2	140.8	356.2	590.8	776.0	773.3	749.7	715.7
82.5°	9.9	10.4	13.2	26.9	33.4	87.7	394.0	673.5	671.9	638.5	614.4
85°	1.1	1.1	3.3	11.5	12.6	16.4	78.9	297.0	295.4	297.0	260.3
87.5°	0.0	0.0	0.5	1.1	1.6	2.2	3.3	11.5	12.6	12.1	11.0
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: P180627

CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	93.7	92.6	92.6	92.1	92.1	92.1	91.5	91.0	91.0	90.4	89.9
5°	102.5	101.4	100.8	99.7	99.2	98.6	97.6	97.0	95.9	95.4	94.8
7.5°	112.9	110.7	110.2	108.5	106.9	105.8	104.7	103.0	101.9	99.7	99.2
10°	126.0	123.3	121.1	118.9	117.3	114.5	112.9	110.7	108.5	106.9	105.2
12.5°	143.0	139.2	135.9	133.7	129.9	126.6	123.3	121.7	117.3	115.1	112.3
15°	161.7	157.3	153.5	149.1	146.3	140.8	136.5	131.5	129.3	125.5	121.1
17.5°	185.8	178.7	172.6	168.2	162.8	157.3	152.4	147.4	140.8	136.5	131.0
20°	211.5	205.5	197.3	189.6	183.0	176.5	169.3	162.8	156.7	149.6	143.0
22.5°	244.4	235.7	225.8	218.1	209.4	202.2	192.4	183.6	173.7	164.4	156.7
25°	286.1	274.6	265.3	254.3	243.9	232.9	220.9	209.9	197.3	188.5	175.4
27.5°	337.6	326.6	314.0	299.8	289.4	272.9	257.0	243.3	228.5	214.8	200.0
30°	403.4	387.5	374.3	360.6	339.8	323.9	305.3	286.6	266.3	252.6	230.2
32.5°	482.3	465.3	445.6	425.8	406.6	384.2	361.2	338.1	315.7	290.5	267.4
35°	578.7	558.5	536.0	514.6	485.0	460.9	431.9	400.1	374.9	345.8	316.8
37.5°	706.4	673.0	653.3	630.8	590.8	557.9	525.6	493.8	449.4	418.7	377.6
40°	866.5	846.7	814.4	778.2	742.0	698.8	654.9	612.7	561.2	518.4	470.8
42.5°	1054.4	1025.4	992.5	940.4	903.7	852.8	802.9	747.0	684.0	629.1	573.2
45°	1230.9	1196.4	1171.2	1119.1	1080.7	1020.5	960.2	901.0	828.1	757.4	692.7
47.5°	1421.6	1393.1	1351.5	1309.3	1270.4	1202.4	1137.2	1065.4	988.7	904.8	821.0
50°	1589.3	1566.8	1538.3	1487.4	1444.1	1387.1	1310.4	1232.0	1135.0	1051.7	956.3
52.5°	1731.8	1714.3	1674.3	1638.1	1599.2	1545.5	1477.0	1401.9	1297.2	1205.7	1097.2
55°	1900.1	1887.4	1852.4	1829.9	1795.4	1743.9	1679.7	1610.1	1499.4	1399.7	1276.9
57.5°	2175.7	2165.9	2135.2	2125.8	2091.9	2046.9	1968.0	1893.5	1764.1	1640.3	1500.0
60°	2632.2	2612.5	2567.6	2544.5	2472.8	2412.5	2310.0	2207.5	2051.3	1893.5	1724.7
62.5°	3121.1	3065.7	2980.2	2906.8	2804.9	2700.2	2563.2	2406.4	2223.4	2036.0	1842.0
65°	3384.7	3290.4	3182.5	3065.7	2933.7	2779.7	2607.0	2419.0	2222.3	2024.5	1819.5
66°	3414.8	3308.5	3194.0	3064.1	2917.2	2753.4	2578.0	2380.7	2176.3	1983.4	1778.4
67.5°	3377.0	3265.8	3144.7	3000.5	2841.6	2671.7	2487.6	2282.6	2085.8	1890.2	1690.7
70°	3112.3	3001.6	2893.7	2741.8	2572.5	2401.5	2227.2	1998.2	1811.8	1632.1	1454.5
72.5°	2485.4	2410.3	2303.4	2173.5	2008.6	1808.0	1662.8	1457.8	1296.1	1121.8	984.3
75°	1553.1	1447.4	1315.3	1149.8	1023.7	861.0	776.0	620.4	528.3	447.7	369.9
77.5°	794.1	714.6	622.0	528.9	439.5	350.7	271.3	191.8	129.3	89.9	66.9
80°	656.0	585.9	509.1	424.2	345.3	268.0	192.9	131.5	83.9	54.8	42.7
82.5°	542.0	482.8	414.3	335.4	266.9	210.4	146.3	95.4	59.2	38.4	30.1
85°	230.7	209.4	161.7	128.2	96.5	71.2	49.9	33.4	23.6	19.2	17.5
87.5°	9.9	11.0	10.4	8.2	6.0	6.0	5.5	4.4	4.4	4.4	4.4
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: P180627

CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	89.9	89.3	88.8	88.8	88.2	87.7	84.4	81.7	78.4	76.2	74.0
5°	93.7	93.2	92.1	91.5	90.4	89.9	82.8	76.7	71.8	68.0	65.2
7.5°	97.6	97.0	95.4	93.7	93.2	92.1	80.6	72.9	66.3	61.9	59.2
10°	102.5	100.8	99.2	97.0	95.4	93.7	78.4	68.5	61.4	57.5	54.8
12.5°	109.6	106.9	104.1	101.4	99.2	96.5	77.3	64.7	57.5	53.2	50.4
15°	117.8	114.0	110.7	107.4	103.6	100.8	75.1	61.4	54.3	49.9	46.6
17.5°	125.5	121.1	116.2	111.3	107.4	103.6	72.9	58.1	51.0	46.6	43.3
20°	136.5	129.9	123.9	117.8	112.3	107.4	69.6	54.8	48.2	43.3	40.0
22.5°	148.5	140.8	133.2	125.0	117.8	111.3	66.9	52.1	45.5	40.6	36.7
25°	163.9	154.5	144.1	133.7	125.5	116.7	64.1	49.3	42.7	37.8	34.0
27.5°	185.2	172.1	160.6	147.4	134.8	125.0	61.9	47.1	40.0	35.1	31.2
30°	214.3	195.1	177.0	162.8	148.0	133.7	59.7	44.4	37.8	32.3	28.0
32.5°	246.6	224.1	203.3	181.9	163.3	146.9	57.5	42.2	35.1	29.6	25.8
35°	286.6	258.1	230.2	205.5	183.0	161.1	55.4	40.0	32.9	26.9	23.0
37.5°	344.2	308.5	271.8	240.0	211.0	181.9	53.7	37.8	30.1	24.1	20.3
40°	423.1	377.1	332.1	288.8	251.0	214.8	51.5	35.6	28.0	21.9	18.1
42.5°	508.6	452.7	393.5	344.7	292.7	247.2	49.3	33.4	25.8	19.7	15.9
45°	614.9	545.3	473.5	407.2	343.6	285.0	47.1	31.2	23.0	17.5	13.7
47.5°	731.1	642.3	561.2	477.9	402.3	332.1	44.4	29.6	20.8	15.3	12.1
50°	850.6	756.8	654.4	559.5	469.7	379.2	41.7	26.9	18.6	13.7	9.9
52.5°	979.3	868.6	764.0	646.1	541.5	441.2	38.9	24.7	17.0	12.1	8.2
55°	1143.2	1019.4	896.6	764.5	638.5	513.0	36.2	21.9	14.8	10.4	6.6
57.5°	1349.3	1202.4	1051.7	902.6	749.7	607.2	34.0	19.2	12.6	8.8	5.5
60°	1543.8	1372.3	1189.8	1018.3	845.6	679.6	30.7	17.0	11.0	7.1	5.5
62.5°	1644.7	1449.0	1252.3	1063.2	879.1	705.3	27.4	14.2	9.3	6.0	4.9
65°	1620.0	1420.5	1229.8	1039.1	858.8	688.9	24.1	12.6	8.2	5.5	4.9
66°	1584.4	1387.1	1195.3	1013.9	841.8	671.3	22.5	12.1	7.7	5.5	4.4
67.5°	1506.6	1315.8	1132.8	964.0	795.2	637.9	20.3	11.0	7.1	4.9	4.4
70°	1286.8	1113.6	967.3	817.1	679.6	537.6	16.4	9.3	6.0	4.4	4.4
72.5°	851.7	733.8	636.3	547.5	457.6	355.1	13.7	7.7	4.9	4.4	3.8
75°	321.2	290.5	249.4	224.1	195.7	171.5	11.0	4.9	3.8	3.8	3.8
77.5°	57.0	52.6	46.6	42.7	39.5	36.2	8.8	3.3	3.3	3.8	3.8
80°	38.4	35.6	32.3	29.6	27.4	24.7	6.0	2.7	3.3	3.3	3.8
82.5°	27.4	25.8	24.1	21.9	20.3	18.1	3.8	2.7	3.3	3.3	3.3
85°	16.4	15.3	14.2	13.2	11.5	11.0	2.7	2.7	2.7	3.3	3.3
87.5°	4.4	3.8	4.4	4.4	3.3	3.8	2.2	2.2	2.2	2.7	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: P180627

CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	86.0	86.0	86.0	86.0	86.0
2.5°	72.9	72.9	71.8	73.4	73.4
5°	63.0	63.0	62.5	63.0	63.0
7.5°	57.5	57.0	57.0	57.0	57.5
10°	52.6	52.1	52.1	52.1	52.1
12.5°	48.2	47.7	47.1	47.7	47.7
15°	44.4	43.3	43.3	43.3	43.3
17.5°	41.1	40.0	39.5	39.5	39.5
20°	37.8	36.2	36.2	36.2	36.2
22.5°	34.5	32.9	32.9	32.9	32.9
25°	31.2	29.6	29.6	29.6	29.6
27.5°	28.5	26.9	26.9	26.9	26.9
30°	25.2	24.1	24.1	24.7	24.1
32.5°	23.0	21.4	21.4	21.9	21.9
35°	20.3	19.2	19.2	19.2	19.2
37.5°	17.5	16.4	16.4	16.4	16.4
40°	15.3	14.2	13.7	14.2	14.2
42.5°	13.2	12.1	11.5	11.5	11.5
45°	11.5	9.9	9.3	9.9	9.9
47.5°	9.3	8.2	8.2	8.8	8.8
50°	7.1	7.1	7.7	8.8	8.8
52.5°	6.6	6.6	7.7	8.8	8.8
55°	6.0	6.6	7.7	8.2	8.8
57.5°	5.5	6.6	7.7	8.2	8.2
60°	5.5	6.0	7.1	8.2	8.2
62.5°	4.9	5.5	6.6	7.7	7.7
65°	4.9	5.5	6.6	7.7	7.7
66°	4.9	5.5	6.6	7.7	7.7
67.5°	4.9	5.5	6.6	7.7	7.7
70°	4.9	5.5	6.6	7.1	7.1
72.5°	4.4	4.9	6.0	7.1	7.1
75°	4.4	4.9	6.0	7.1	7.1
77.5°	4.4	4.9	6.0	7.1	7.1
80°	4.4	4.9	6.0	6.6	7.1
82.5°	3.8	4.9	5.5	6.6	6.6
85°	3.8	4.4	5.5	6.0	6.6
87.5°	3.3	3.8	4.4	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)