

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: P180617

Luminaire Tested: **ICS-E01-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180617
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-E01-LED-E1-SL3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1425.3 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

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



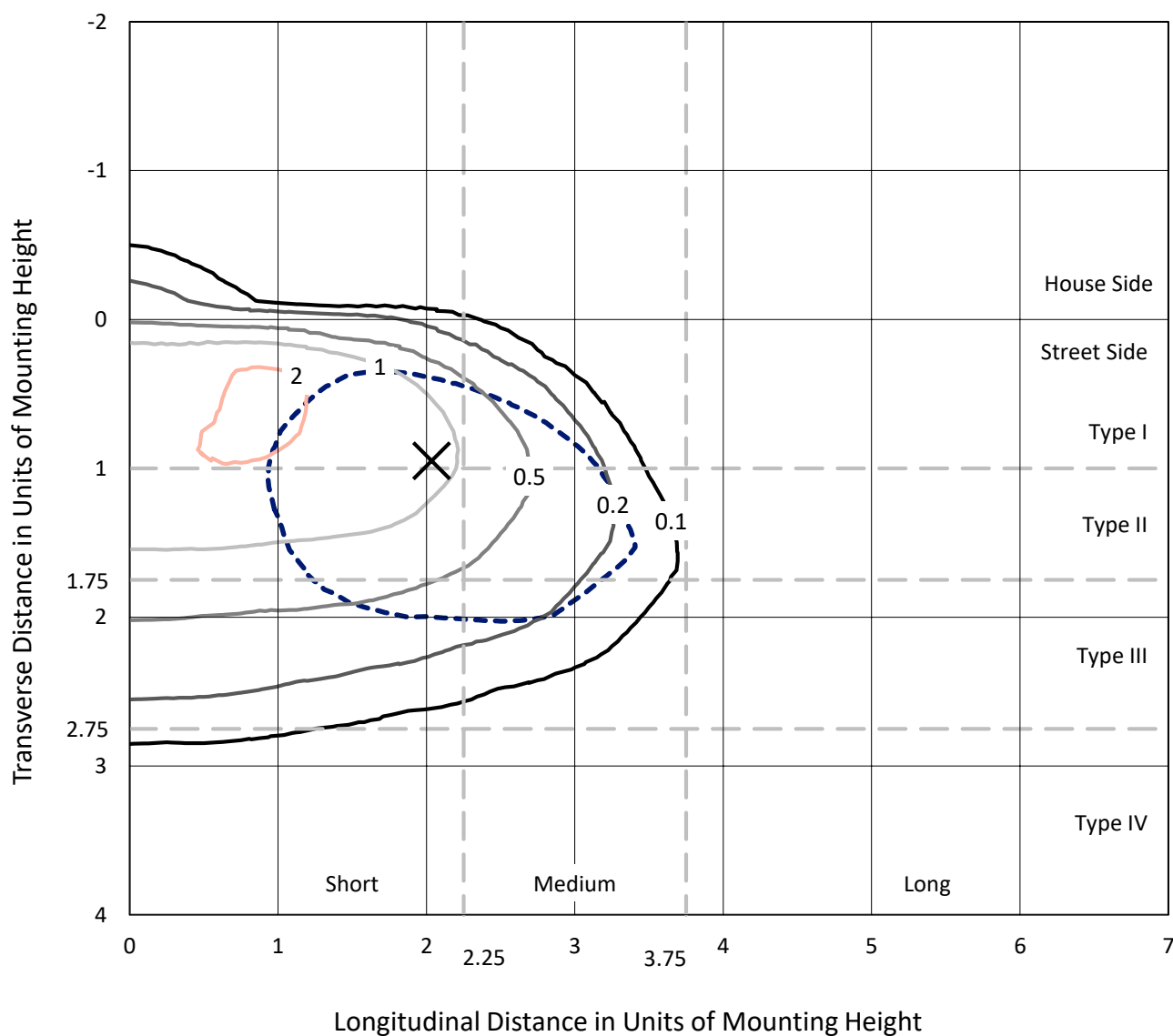
REPORT NUMBER: P180617

CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

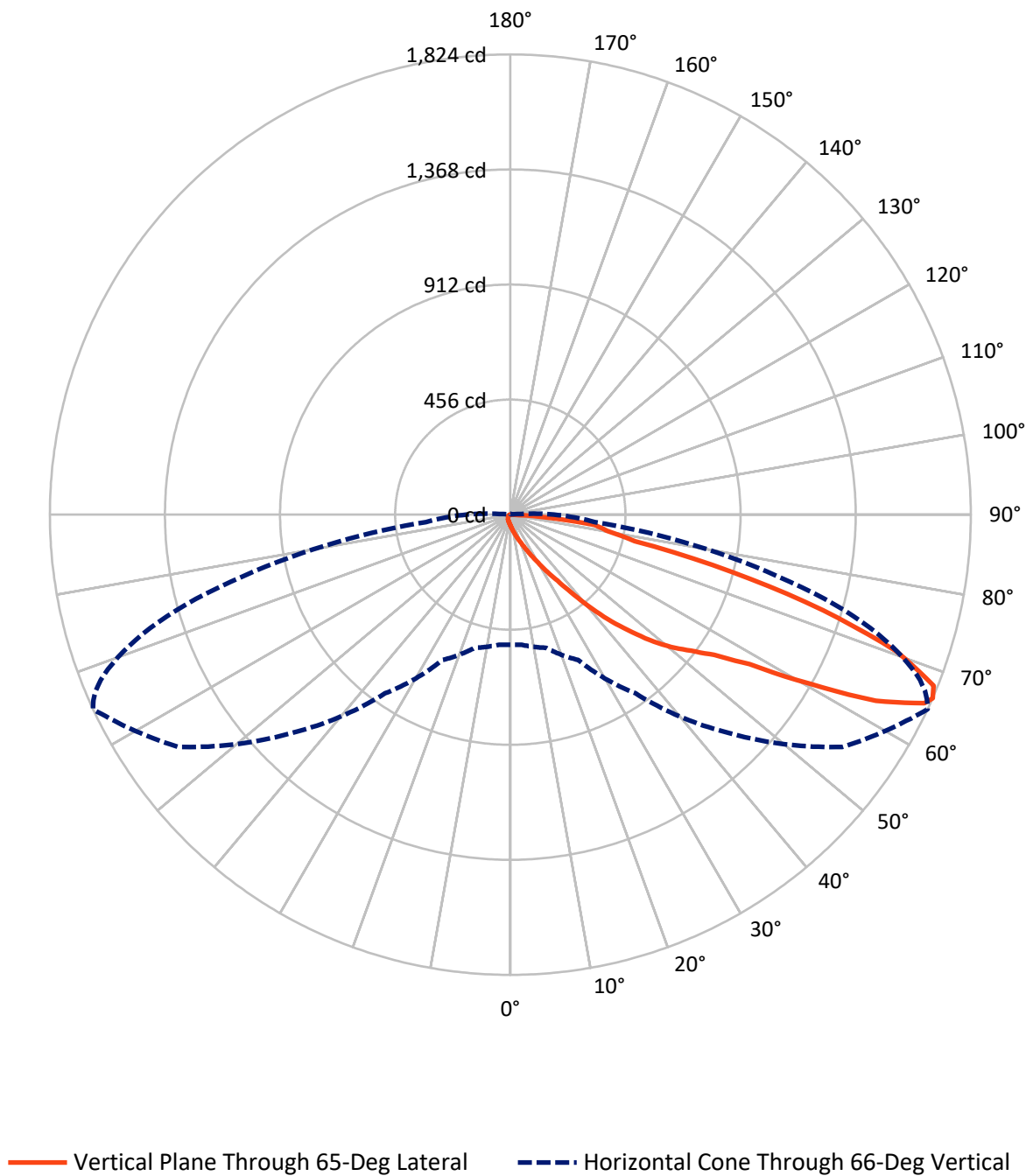


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - Non-Cutoff

REPORT NUMBER: P180617

CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P180617

CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.9	0.0	30.9
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1394.4	0.0	1394.4
	% Fixture	97.8	0.0	97.8
Total	Lumens	1425.3	0.0	1425.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.3
10°-20°	20.4	1.4
20°-30°	44.0	3.1
30°-40°	94.1	6.6
40°-50°	208.0	14.6
50°-60°	352.5	24.7
60°-70°	470.4	33.0
70°-80°	207.2	14.5
80°-90°	23.9	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°	1425.3	100.0
0°-180°	1425.3	100.0

Coefficient of Utilization



REPORT NUMBER: P180617

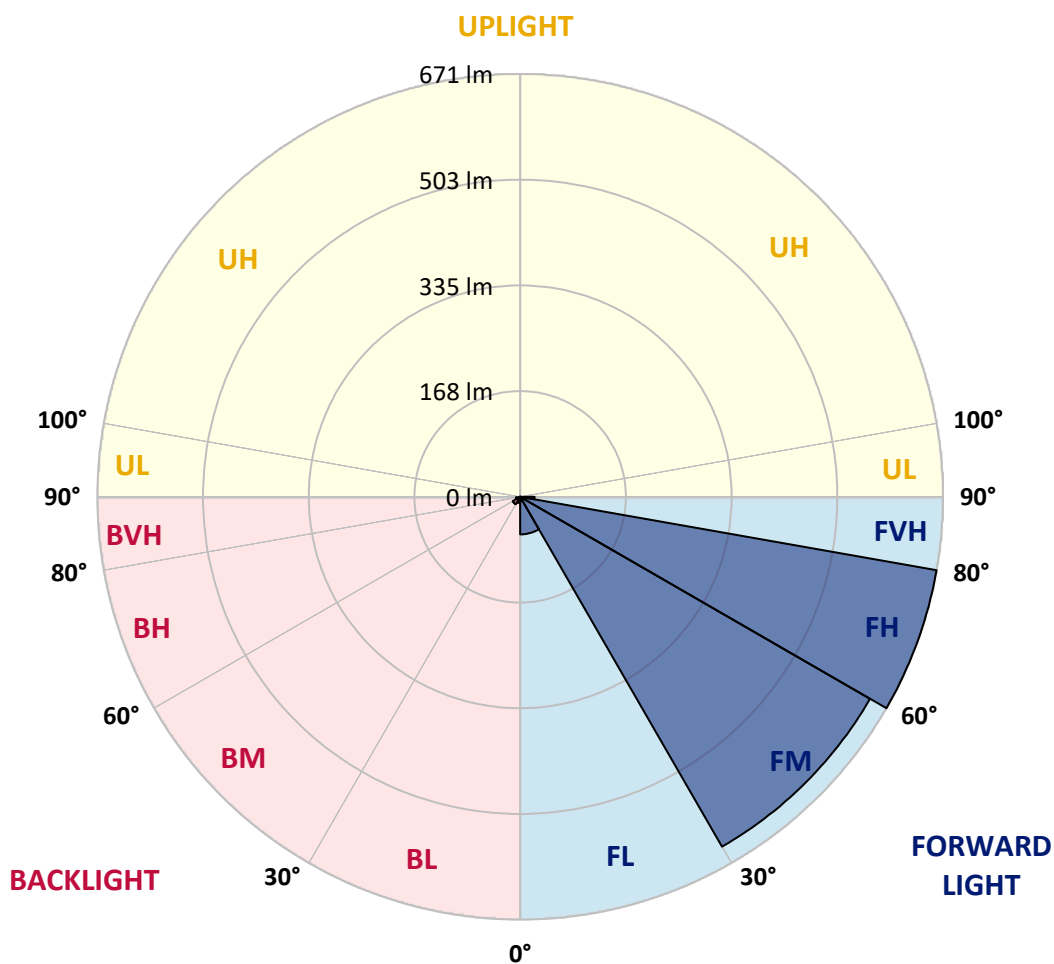
CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	59.5	4.2			
FM	(30°-60°)	641.0	45.0			
FH	(60°-80°)	671.0	47.1			G1/1800
FVH	(80°-90°)	22.9	1.6			G1/100
BL	(0°-30°)	9.7	0.7	B0/110		
BM	(30°-60°)	13.6	1.0	B0/220		
BH	(60°-80°)	6.6	0.5	B0/110		G0/110
BVH	(80°-90°)	0.9	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: P180617

CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	54.3	54.0	52.9	52.9	51.2	50.1	48.8	47.4	47.4	47.1	46.9
5°	71.8	70.1	69.9	66.9	64.4	60.8	57.5	53.2	52.6	52.1	51.8
7.5°	91.2	91.0	88.5	84.9	80.0	73.4	66.9	59.7	58.6	58.1	57.0
10°	116.5	115.1	111.8	105.8	98.4	89.6	78.9	67.7	66.3	65.2	64.7
12.5°	140.6	138.1	136.2	128.5	119.2	106.3	93.4	77.3	76.2	74.8	72.6
15°	163.0	160.8	157.6	151.0	140.6	124.4	109.3	89.6	86.9	84.9	83.3
17.5°	180.6	179.2	175.4	168.0	156.7	142.5	124.4	102.2	100.0	97.6	94.5
20°	197.3	195.4	189.3	179.2	167.2	156.2	142.2	118.7	115.6	112.6	109.3
22.5°	213.2	211.3	201.4	184.7	171.8	167.2	162.2	137.3	132.6	130.2	126.9
25°	235.4	231.3	215.9	189.3	172.1	175.6	184.1	161.4	157.0	153.5	148.2
27.5°	265.3	259.8	235.7	196.2	173.2	185.0	209.4	190.7	186.1	181.9	176.2
30°	299.0	295.4	266.6	212.6	181.1	198.7	237.6	228.0	222.5	217.6	210.7
32.5°	332.9	328.0	299.5	243.9	202.5	225.2	272.9	271.3	264.2	259.5	252.1
35°	362.8	360.3	339.2	295.1	251.3	271.8	320.1	322.0	315.7	310.7	302.5
37.5°	383.1	383.1	379.0	350.2	328.8	344.2	389.4	389.7	383.4	372.1	368.0
40°	393.5	396.5	411.3	416.8	415.7	435.4	480.4	475.4	470.2	464.5	450.8
42.5°	414.9	417.6	449.1	486.9	511.6	537.6	568.6	566.9	560.6	550.2	537.6
45°	451.0	454.6	492.1	552.2	602.8	639.8	659.6	651.9	645.6	635.7	629.1
47.5°	497.1	503.9	546.4	620.7	681.8	742.9	763.4	743.1	737.7	730.0	719.3
50°	546.1	552.7	597.9	682.9	751.9	824.8	859.1	824.8	816.9	814.4	802.3
52.5°	588.6	594.1	637.6	730.8	805.6	891.1	941.0	895.8	890.0	881.8	873.0
55°	613.8	618.2	659.0	753.8	842.1	950.8	1020.2	980.4	971.9	968.7	956.1
57.5°	622.3	626.7	663.4	756.8	861.8	1005.4	1116.4	1117.7	1107.6	1095.8	1092.0
60°	622.3	627.2	658.2	749.4	881.0	1063.5	1244.6	1358.9	1336.9	1334.8	1320.8
62.5°	596.5	601.2	632.4	726.7	906.7	1141.8	1423.3	1624.9	1618.6	1604.4	1581.4
65°	540.6	543.4	574.1	668.6	896.9	1213.9	1578.1	1802.0	1791.8	1763.9	1734.3
66°	515.4	517.6	546.4	635.5	864.5	1223.8	1605.5	1824.2	1807.4	1783.9	1750.4
67.5°	479.0	482.8	503.1	573.8	787.0	1189.5	1588.2	1808.5	1794.0	1765.5	1732.1
70°	319.8	317.0	388.6	440.4	599.6	969.2	1424.9	1623.8	1624.1	1610.7	1597.3
72.5°	151.8	153.5	174.3	271.0	392.4	647.5	1134.2	1296.1	1314.7	1290.6	1273.9
75°	109.1	111.5	124.1	165.8	234.0	388.6	735.2	906.5	907.0	864.3	826.2
77.5°	31.8	33.2	46.6	102.2	175.4	262.2	422.3	503.9	492.1	461.4	432.7
80°	13.2	13.2	13.7	32.6	70.4	178.1	295.4	388.0	386.6	374.9	357.9
82.5°	4.9	5.2	6.6	13.4	16.7	43.8	197.0	336.8	335.9	319.2	307.2
85°	0.5	0.5	1.6	5.8	6.3	8.2	39.5	148.5	147.7	148.5	130.2
87.5°	0.0	0.0	0.3	0.5	0.8	1.1	1.6	5.8	6.3	6.0	5.5
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: P180617

CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	46.9	46.3	46.3	46.0	46.0	46.0	45.8	45.5	45.5	45.2	44.9
5°	51.2	50.7	50.4	49.9	49.6	49.3	48.8	48.5	48.0	47.7	47.4
7.5°	56.4	55.4	55.1	54.3	53.4	52.9	52.3	51.5	51.0	49.9	49.6
10°	63.0	61.7	60.6	59.5	58.6	57.3	56.4	55.4	54.3	53.4	52.6
12.5°	71.5	69.6	68.0	66.9	64.9	63.3	61.7	60.8	58.6	57.5	56.2
15°	80.8	78.6	76.7	74.5	73.2	70.4	68.2	65.8	64.7	62.8	60.6
17.5°	92.9	89.3	86.3	84.1	81.4	78.6	76.2	73.7	70.4	68.2	65.5
20°	105.8	102.8	98.6	94.8	91.5	88.2	84.7	81.4	78.4	74.8	71.5
22.5°	122.2	117.8	112.9	109.1	104.7	101.1	96.2	91.8	86.9	82.2	78.4
25°	143.0	137.3	132.6	127.1	121.9	116.5	110.4	104.9	98.6	94.3	87.7
27.5°	168.8	163.3	157.0	149.9	144.7	136.5	128.5	121.7	114.3	107.4	100.0
30°	201.7	193.7	187.2	180.3	169.9	161.9	152.6	143.3	133.2	126.3	115.1
32.5°	241.1	232.6	222.8	212.9	203.3	192.1	180.6	169.1	157.8	145.2	133.7
35°	289.4	279.2	268.0	257.3	242.5	230.5	215.9	200.0	187.4	172.9	158.4
37.5°	353.2	336.5	326.6	315.4	295.4	279.0	262.8	246.9	224.7	209.4	188.8
40°	433.2	423.4	407.2	389.1	371.0	349.4	327.5	306.4	280.6	259.2	235.4
42.5°	527.2	512.7	496.3	470.2	451.9	426.4	401.4	373.5	342.0	314.6	286.6
45°	615.4	598.2	585.6	559.5	540.4	510.2	480.1	450.5	414.0	378.7	346.4
47.5°	710.8	696.6	675.7	654.6	635.2	601.2	568.6	532.7	494.3	452.4	410.5
50°	794.7	783.4	769.2	743.7	722.0	693.5	655.2	616.0	567.5	525.8	478.2
52.5°	865.9	857.1	837.1	819.0	799.6	772.7	738.5	700.9	648.6	602.8	548.6
55°	950.0	943.7	926.2	915.0	897.7	871.9	839.9	805.1	749.7	699.8	638.5
57.5°	1087.9	1082.9	1067.6	1062.9	1045.9	1023.5	984.0	946.7	882.1	820.1	750.0
60°	1316.1	1306.3	1283.8	1272.3	1236.4	1206.2	1155.0	1103.8	1025.7	946.7	862.3
62.5°	1560.5	1532.9	1490.1	1453.4	1402.4	1350.1	1281.6	1203.2	1111.7	1018.0	921.0
65°	1692.3	1645.2	1591.2	1532.9	1466.8	1389.8	1303.5	1209.5	1111.2	1012.2	909.7
66°	1707.4	1654.3	1597.0	1532.0	1458.6	1376.7	1289.0	1190.3	1088.1	991.7	889.2
67.5°	1688.5	1632.9	1572.3	1500.3	1420.8	1335.8	1243.8	1141.3	1042.9	945.1	845.4
70°	1556.2	1500.8	1446.8	1370.9	1286.2	1200.8	1113.6	999.1	905.9	816.0	727.2
72.5°	1242.7	1205.1	1151.7	1086.8	1004.3	904.0	831.4	728.9	648.1	560.9	492.1
75°	776.6	723.7	657.6	574.9	511.9	430.5	388.0	310.2	264.2	223.9	185.0
77.5°	397.1	357.3	311.0	264.4	219.8	175.4	135.6	95.9	64.7	44.9	33.4
80°	328.0	292.9	254.6	212.1	172.6	134.0	96.5	65.8	41.9	27.4	21.4
82.5°	271.0	241.4	207.2	167.7	133.4	105.2	73.2	47.7	29.6	19.2	15.1
85°	115.4	104.7	80.8	64.1	48.2	35.6	24.9	16.7	11.8	9.6	8.8
87.5°	4.9	5.5	5.2	4.1	3.0	3.0	2.7	2.2	2.2	2.2	2.2
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: P180617

CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	44.9	44.7	44.4	44.4	44.1	43.8	42.2	40.8	39.2	38.1	37.0
5°	46.9	46.6	46.0	45.8	45.2	44.9	41.4	38.4	35.9	34.0	32.6
7.5°	48.8	48.5	47.7	46.9	46.6	46.0	40.3	36.4	33.2	31.0	29.6
10°	51.2	50.4	49.6	48.5	47.7	46.9	39.2	34.3	30.7	28.8	27.4
12.5°	54.8	53.4	52.1	50.7	49.6	48.2	38.6	32.3	28.8	26.6	25.2
15°	58.9	57.0	55.4	53.7	51.8	50.4	37.5	30.7	27.1	24.9	23.3
17.5°	62.8	60.6	58.1	55.6	53.7	51.8	36.4	29.0	25.5	23.3	21.6
20°	68.2	64.9	61.9	58.9	56.2	53.7	34.8	27.4	24.1	21.6	20.0
22.5°	74.3	70.4	66.6	62.5	58.9	55.6	33.4	26.0	22.7	20.3	18.4
25°	81.9	77.3	72.1	66.9	62.8	58.4	32.1	24.7	21.4	18.9	17.0
27.5°	92.6	86.0	80.3	73.7	67.4	62.5	31.0	23.6	20.0	17.5	15.6
30°	107.1	97.6	88.5	81.4	74.0	66.9	29.9	22.2	18.9	16.2	14.0
32.5°	123.3	112.1	101.7	91.0	81.7	73.4	28.8	21.1	17.5	14.8	12.9
35°	143.3	129.1	115.1	102.8	91.5	80.6	27.7	20.0	16.4	13.4	11.5
37.5°	172.1	154.3	135.9	120.0	105.5	91.0	26.9	18.9	15.1	12.1	10.1
40°	211.5	188.5	166.1	144.4	125.5	107.4	25.8	17.8	14.0	11.0	9.0
42.5°	254.3	226.3	196.7	172.4	146.3	123.6	24.7	16.7	12.9	9.9	7.9
45°	307.5	272.6	236.8	203.6	171.8	142.5	23.6	15.6	11.5	8.8	6.9
47.5°	365.5	321.2	280.6	238.9	201.1	166.1	22.2	14.8	10.4	7.7	6.0
50°	425.3	378.4	327.2	279.8	234.8	189.6	20.8	13.4	9.3	6.9	4.9
52.5°	489.7	434.3	382.0	323.1	270.7	220.6	19.5	12.3	8.5	6.0	4.1
55°	571.6	509.7	448.3	382.3	319.2	256.5	18.1	11.0	7.4	5.2	3.3
57.5°	674.6	601.2	525.8	451.3	374.9	303.6	17.0	9.6	6.3	4.4	2.7
60°	771.9	686.1	594.9	509.1	422.8	339.8	15.3	8.5	5.5	3.6	2.7
62.5°	822.3	724.5	626.1	531.6	439.5	352.7	13.7	7.1	4.7	3.0	2.5
65°	810.0	710.3	614.9	519.5	429.4	344.4	12.1	6.3	4.1	2.7	2.5
66°	792.2	693.5	597.6	506.9	420.9	335.7	11.2	6.0	3.8	2.7	2.2
67.5°	753.3	657.9	566.4	482.0	397.6	319.0	10.1	5.5	3.6	2.5	2.2
70°	643.4	556.8	483.6	408.6	339.8	268.8	8.2	4.7	3.0	2.2	2.2
72.5°	425.8	366.9	318.1	273.7	228.8	177.6	6.9	3.8	2.5	2.2	1.9
75°	160.6	145.2	124.7	112.1	97.8	85.8	5.5	2.5	1.9	1.9	1.9
77.5°	28.5	26.3	23.3	21.4	19.7	18.1	4.4	1.6	1.6	1.9	1.9
80°	19.2	17.8	16.2	14.8	13.7	12.3	3.0	1.4	1.6	1.6	1.9
82.5°	13.7	12.9	12.1	11.0	10.1	9.0	1.9	1.4	1.6	1.6	1.6
85°	8.2	7.7	7.1	6.6	5.8	5.5	1.4	1.4	1.4	1.6	1.6
87.5°	2.2	1.9	2.2	2.2	1.6	1.9	1.1	1.1	1.1	1.4	1.4
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: P180617

CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	43.0	43.0	43.0	43.0	43.0
2.5°	36.4	36.4	35.9	36.7	36.7
5°	31.5	31.5	31.2	31.5	31.5
7.5°	28.8	28.5	28.5	28.5	28.8
10°	26.3	26.0	26.0	26.0	26.0
12.5°	24.1	23.8	23.6	23.8	23.8
15°	22.2	21.6	21.6	21.6	21.6
17.5°	20.6	20.0	19.7	19.7	19.7
20°	18.9	18.1	18.1	18.1	18.1
22.5°	17.3	16.4	16.4	16.4	16.4
25°	15.6	14.8	14.8	14.8	14.8
27.5°	14.2	13.4	13.4	13.4	13.4
30°	12.6	12.1	12.1	12.3	12.1
32.5°	11.5	10.7	10.7	11.0	11.0
35°	10.1	9.6	9.6	9.6	9.6
37.5°	8.8	8.2	8.2	8.2	8.2
40°	7.7	7.1	6.9	7.1	7.1
42.5°	6.6	6.0	5.8	5.8	5.8
45°	5.8	4.9	4.7	4.9	4.9
47.5°	4.7	4.1	4.1	4.4	4.4
50°	3.6	3.6	3.8	4.4	4.4
52.5°	3.3	3.3	3.8	4.4	4.4
55°	3.0	3.3	3.8	4.1	4.4
57.5°	2.7	3.3	3.8	4.1	4.1
60°	2.7	3.0	3.6	4.1	4.1
62.5°	2.5	2.7	3.3	3.8	3.8
65°	2.5	2.7	3.3	3.8	3.8
66°	2.5	2.7	3.3	3.8	3.8
67.5°	2.5	2.7	3.3	3.8	3.8
70°	2.5	2.7	3.3	3.6	3.6
72.5°	2.2	2.5	3.0	3.6	3.6
75°	2.2	2.5	3.0	3.6	3.6
77.5°	2.2	2.5	3.0	3.6	3.6
80°	2.2	2.5	3.0	3.3	3.6
82.5°	1.9	2.5	2.7	3.3	3.3
85°	1.9	2.2	2.7	3.0	3.3
87.5°	1.6	1.9	2.2	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)