

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: P180562

Luminaire Tested: **ICM-F01-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180562
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: ICM-F01-LED-E1-SL3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1216.1 lumens
Efficiency: N/A
Efficacy: 47.0 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): 25.9
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

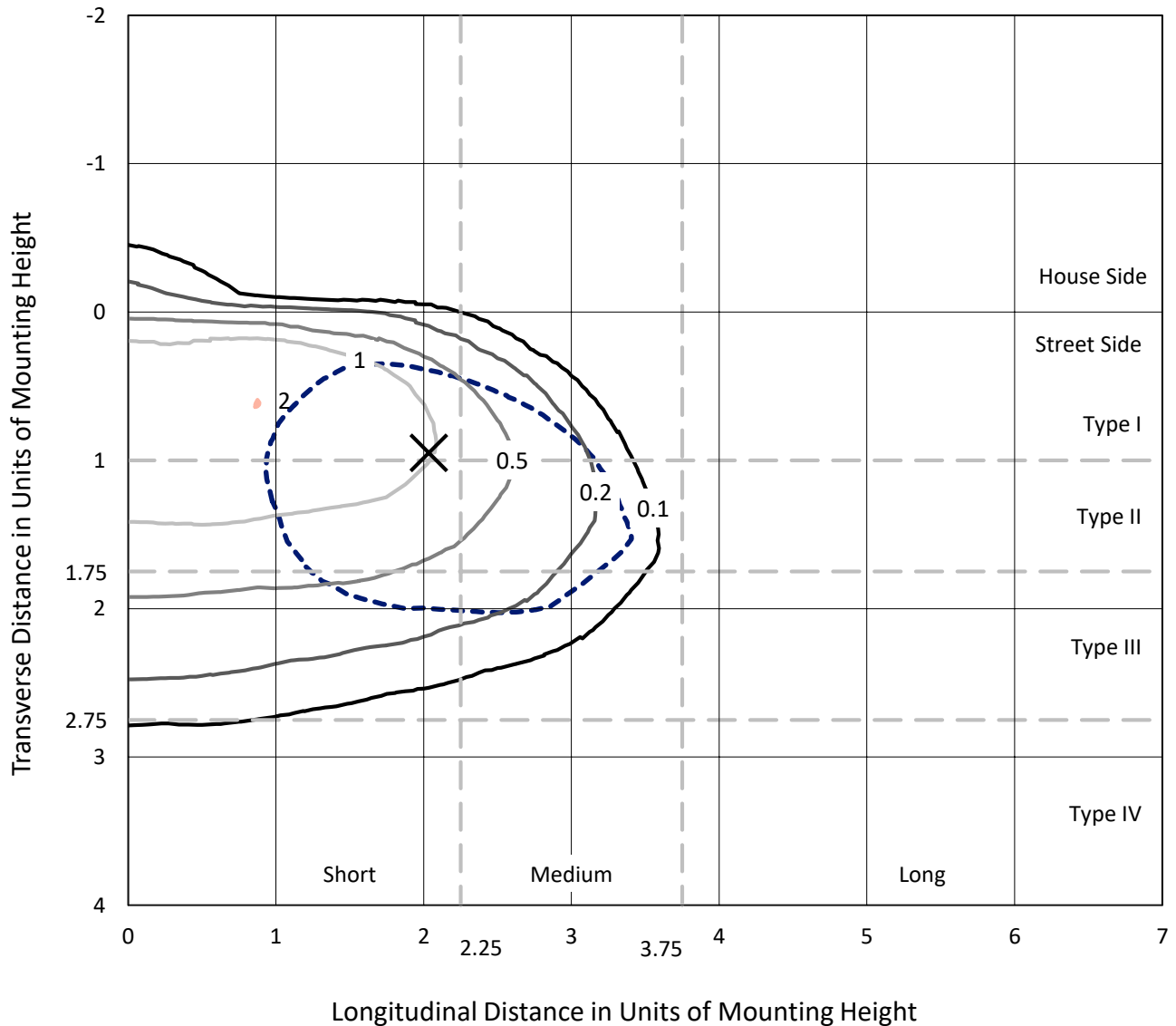


REPORT NUMBER: P180562

CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

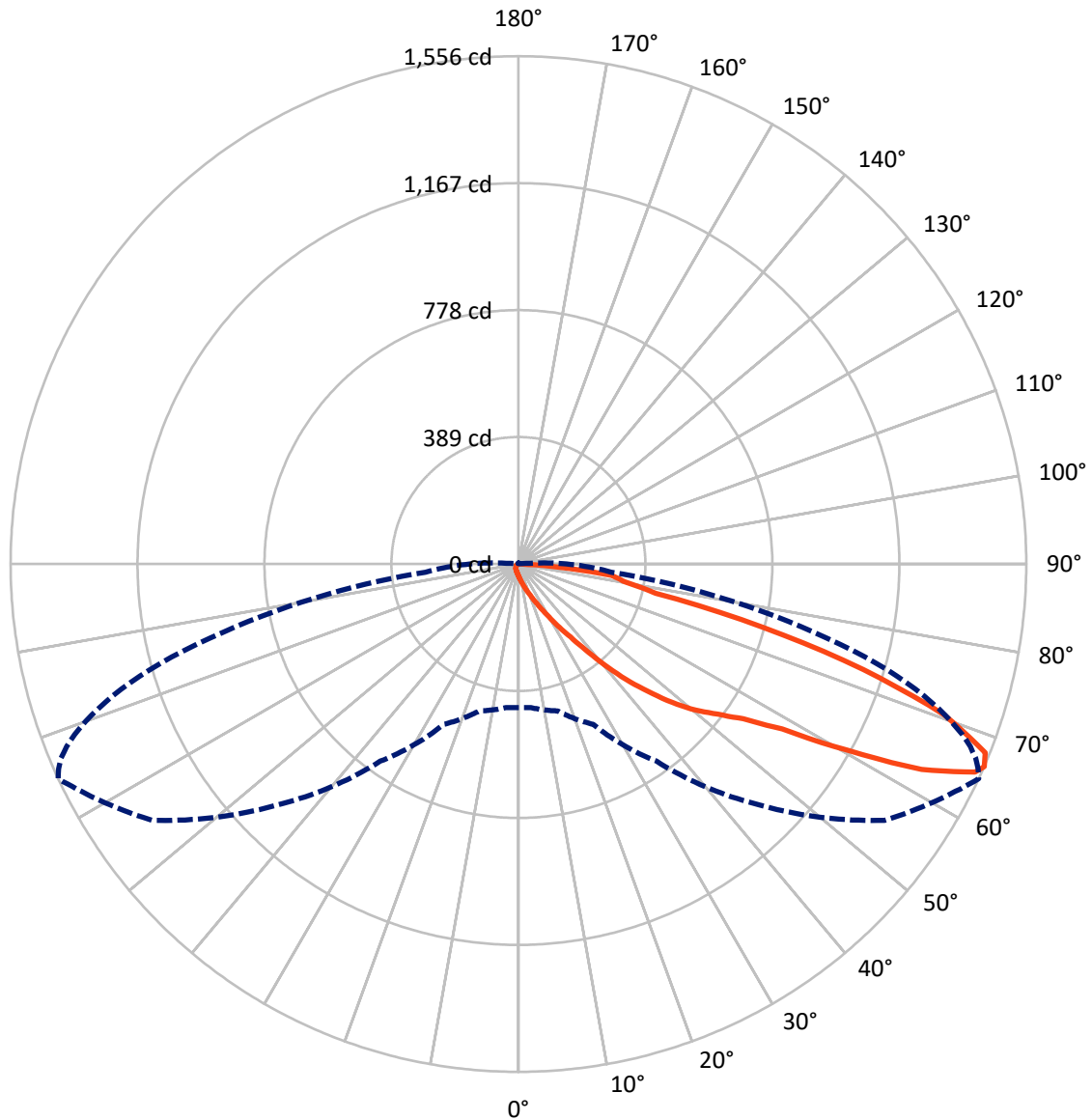
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P180562
CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P180562

CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26.4	0.0	26.4
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1189.7	0.0	1189.7
	% Fixture	97.8	0.0	97.8
Total	Lumens	1216.1	0.0	1216.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.3
10°-20°	17.4	1.4
20°-30°	37.6	3.1
30°-40°	80.2	6.6
40°-50°	177.5	14.6
50°-60°	300.8	24.7
60°-70°	401.3	33.0
70°-80°	176.8	14.5
80°-90°	20.4	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°	1216.1	100.0
0°-180°	1216.1	100.0



REPORT NUMBER: P180562

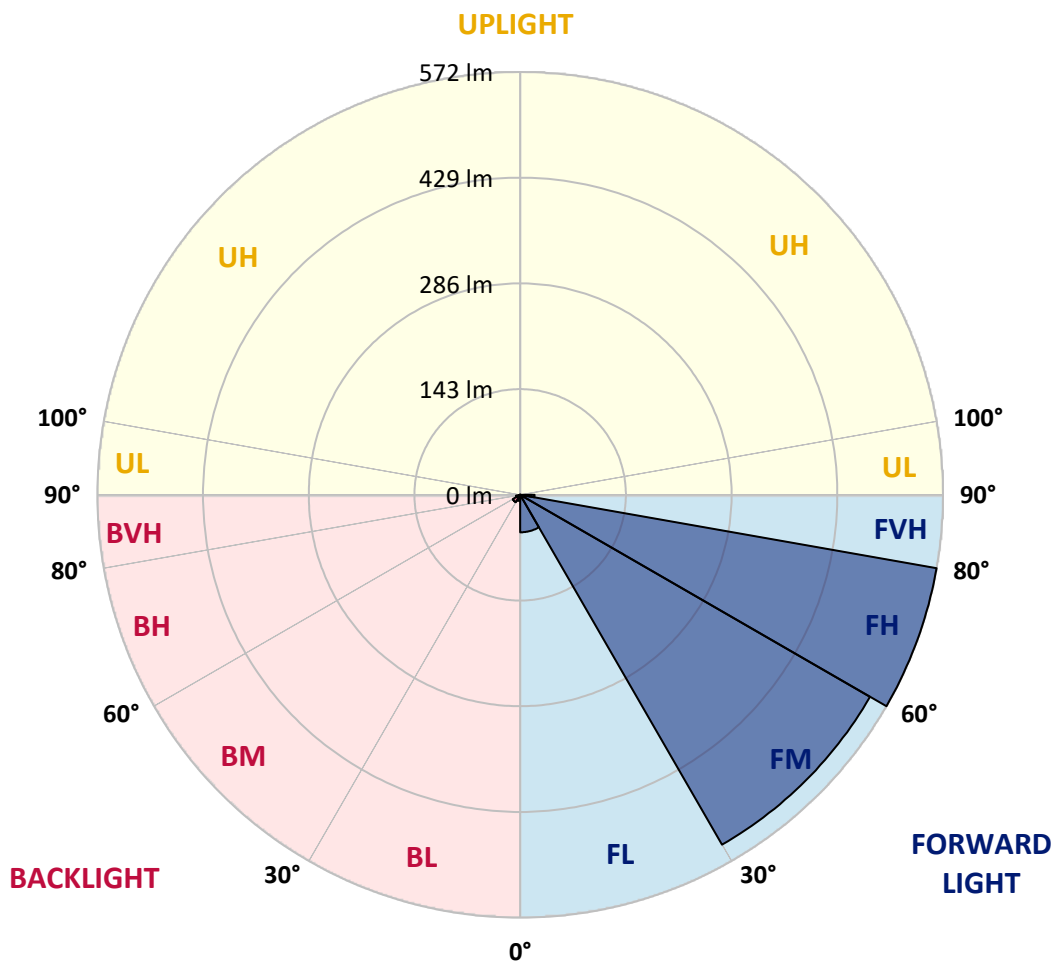
CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.8	4.2			
FM	(30°-60°)	546.9	45.0			
FH	(60°-80°)	572.5	47.1			G0/660
FVH	(80°-90°)	19.6	1.6			G1/100
BL	(0°-30°)	8.3	0.7	B0/110		
BM	(30°-60°)	11.6	1.0	B0/220		
BH	(60°-80°)	5.7	0.5	B0/110		G0/110
BVH	(80°-90°)	0.8	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: P180562

CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2.5°	46.3	46.0	45.1	45.1	43.7	42.8	41.6	40.5	40.5	40.2	40.0
5°	61.2	59.8	59.6	57.0	55.0	51.9	49.1	45.4	44.9	44.5	44.2
7.5°	77.9	77.6	75.5	72.5	68.3	62.7	57.0	51.0	50.0	49.6	48.7
10°	99.3	98.2	95.3	90.2	83.9	76.5	67.3	57.8	56.6	55.6	55.2
12.5°	119.9	117.9	116.2	109.7	101.7	90.7	79.7	66.0	65.0	63.8	62.0
15°	139.1	137.2	134.4	128.8	119.9	106.1	93.3	76.5	74.1	72.5	71.1
17.5°	154.0	152.9	149.7	143.3	133.8	121.6	106.1	87.2	85.3	83.3	80.7
20°	168.4	166.7	161.6	152.9	142.6	133.3	121.3	101.2	98.7	96.1	93.3
22.5°	181.9	180.3	171.8	157.6	146.6	142.6	138.4	117.1	113.1	111.1	108.3
25°	200.8	197.3	184.2	161.6	146.8	149.9	157.1	137.7	134.0	130.9	126.5
27.5°	226.3	221.7	201.0	167.4	147.7	157.8	178.6	162.7	158.8	155.3	150.3
30°	255.1	252.0	227.4	181.4	154.5	169.5	202.7	194.5	189.9	185.7	179.8
32.5°	284.1	279.8	255.5	208.1	172.7	192.2	232.8	231.4	225.4	221.4	215.1
35°	309.6	307.4	289.4	251.8	214.4	231.9	273.1	274.7	269.3	265.1	258.1
37.5°	326.9	326.9	323.4	298.8	280.6	293.7	332.2	332.5	327.1	317.5	314.0
40°	335.7	338.3	350.9	355.6	354.7	371.5	409.9	405.7	401.2	396.3	384.6
42.5°	354.0	356.3	383.2	415.4	436.5	458.7	485.1	483.7	478.3	469.5	458.7
45°	384.8	387.9	419.9	471.1	514.3	546.0	562.8	556.2	550.8	542.4	536.8
47.5°	424.1	430.0	466.2	529.6	581.7	633.9	651.4	634.1	629.4	622.8	613.7
50°	466.0	471.5	510.1	582.6	641.6	703.7	732.9	703.7	696.9	694.9	684.6
52.5°	502.2	506.9	544.0	623.5	687.4	760.3	802.9	764.3	759.4	752.4	744.8
55°	523.7	527.4	562.3	643.2	718.4	811.3	870.4	836.6	829.3	826.5	815.7
57.5°	531.0	534.7	566.0	645.8	735.3	857.8	952.5	953.7	945.0	935.0	931.7
60°	531.0	535.2	561.6	639.4	751.6	907.4	1061.9	1159.4	1140.7	1138.8	1126.9
62.5°	508.9	512.9	539.6	620.0	773.7	974.2	1214.3	1386.4	1381.0	1368.8	1349.2
65°	461.3	463.6	489.8	570.4	765.2	1035.7	1346.4	1537.5	1528.8	1504.9	1479.7
66°	439.8	441.7	466.2	542.1	737.6	1044.1	1369.8	1556.4	1542.1	1522.1	1493.5
67.5°	408.7	411.9	429.2	489.6	671.4	1014.9	1355.1	1543.1	1530.7	1506.3	1477.9
70°	272.8	270.5	331.5	375.7	511.5	827.0	1215.7	1385.5	1385.7	1374.2	1362.8
72.5°	129.5	130.9	148.7	231.3	334.8	552.5	967.7	1105.9	1121.8	1101.2	1086.9
75°	93.0	95.2	106.0	141.5	199.6	331.5	627.3	773.4	773.9	737.4	704.9
77.5°	27.2	28.3	39.7	87.2	149.7	223.7	360.3	430.0	419.9	393.7	369.2
80°	11.3	11.3	11.7	27.8	60.1	152.0	252.0	331.1	329.9	319.8	305.3
82.5°	4.2	4.5	5.6	11.4	14.2	37.4	168.1	287.4	286.6	272.4	262.0
85°	0.5	0.5	1.4	4.9	5.4	7.0	33.7	126.7	126.0	126.7	111.1
87.5°	0.0	0.0	0.3	0.5	0.7	0.9	1.4	4.9	5.4	5.1	4.7
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: P180562

CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2.5°	40.0	39.5	39.5	39.3	39.3	39.3	39.1	38.8	38.8	38.6	38.3
5°	43.7	43.3	43.0	42.5	42.3	42.0	41.6	41.4	40.9	40.7	40.5
7.5°	48.2	47.3	47.0	46.3	45.6	45.1	44.7	44.0	43.4	42.5	42.3
10°	53.8	52.6	51.6	50.7	50.0	48.8	48.2	47.3	46.3	45.6	44.9
12.5°	61.0	59.3	58.0	57.0	55.4	54.0	52.6	51.9	50.0	49.1	47.9
15°	68.9	67.1	65.5	63.6	62.4	60.1	58.2	56.1	55.2	53.6	51.6
17.5°	79.3	76.2	73.7	71.8	69.4	67.1	65.0	62.9	60.1	58.2	55.9
20°	90.2	87.6	84.2	80.9	78.0	75.3	72.3	69.4	66.9	63.8	61.0
22.5°	104.3	100.6	96.3	93.0	89.3	86.2	82.0	78.3	74.1	70.1	66.9
25°	122.0	117.1	113.1	108.5	104.0	99.3	94.2	89.6	84.2	80.5	74.8
27.5°	144.0	139.3	134.0	127.9	123.4	116.5	109.7	103.8	97.5	91.6	85.3
30°	172.1	165.3	159.7	153.9	144.9	138.1	130.2	122.2	113.6	107.8	98.2
32.5°	205.8	198.5	190.0	181.7	173.5	163.9	154.0	144.3	134.7	123.9	114.0
35°	246.9	238.2	228.7	219.5	206.9	196.7	184.2	170.7	159.9	147.5	135.2
37.5°	301.4	287.1	278.7	269.1	252.0	238.0	224.2	210.6	191.7	178.6	161.1
40°	369.7	361.2	347.4	332.0	316.6	298.0	279.4	261.4	239.4	221.2	200.8
42.5°	449.9	437.4	423.4	401.2	385.5	363.8	342.5	318.7	291.8	268.4	244.6
45°	525.1	510.4	499.6	477.4	461.0	435.4	409.6	384.4	353.3	323.1	295.5
47.5°	606.5	594.3	576.6	558.5	542.0	512.9	485.1	454.5	421.8	386.0	350.2
50°	678.1	668.5	656.3	634.5	616.1	591.7	559.0	525.6	484.2	448.7	408.0
52.5°	738.8	731.4	714.2	698.8	682.2	659.4	630.1	598.1	553.4	514.3	468.1
55°	810.6	805.2	790.2	780.7	766.0	743.9	716.6	686.9	639.6	597.1	544.7
57.5°	928.2	924.0	910.9	906.9	892.4	873.2	839.5	807.7	752.6	699.7	639.9
60°	1122.9	1114.5	1095.4	1085.5	1054.9	1029.2	985.5	941.8	875.1	807.7	735.7
62.5°	1331.5	1307.8	1271.4	1240.1	1196.6	1151.9	1093.5	1026.6	948.6	868.6	785.8
65°	1443.9	1403.7	1357.7	1307.8	1251.5	1185.9	1112.2	1032.0	948.0	863.6	776.2
66°	1456.8	1411.5	1362.6	1307.2	1244.5	1174.6	1099.8	1015.6	928.4	846.1	758.7
67.5°	1440.7	1393.2	1341.5	1280.0	1212.3	1139.7	1061.2	973.8	889.9	806.3	721.3
70°	1327.7	1280.5	1234.4	1169.7	1097.4	1024.5	950.1	852.5	772.9	696.3	620.5
72.5°	1060.3	1028.3	982.6	927.3	856.8	771.3	709.3	621.9	552.9	478.6	419.9
75°	662.6	617.5	561.1	490.5	436.7	367.3	331.1	264.7	225.4	191.0	157.8
77.5°	338.8	304.8	265.4	225.6	187.5	149.7	115.7	81.9	55.2	38.3	28.6
80°	279.8	250.0	217.2	180.9	147.3	114.3	82.3	56.1	35.8	23.3	18.2
82.5°	231.3	206.0	176.7	143.1	113.9	89.8	62.4	40.7	25.2	16.4	12.8
85°	98.4	89.3	68.9	54.7	41.1	30.4	21.3	14.2	10.0	8.2	7.4
87.5°	4.2	4.7	4.5	3.5	2.6	2.6	2.3	1.9	1.9	1.9	1.9
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: P180562

CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2.5°	38.3	38.1	37.9	37.9	37.7	37.4	36.0	34.8	33.4	32.5	31.5
5°	40.0	39.7	39.3	39.1	38.6	38.3	35.3	32.7	30.6	29.0	27.8
7.5°	41.6	41.4	40.7	40.0	39.7	39.3	34.3	31.1	28.3	26.4	25.2
10°	43.7	43.0	42.3	41.4	40.7	40.0	33.4	29.2	26.1	24.6	23.3
12.5°	46.8	45.6	44.5	43.3	42.3	41.1	32.9	27.6	24.6	22.7	21.5
15°	50.2	48.7	47.3	45.9	44.2	43.0	32.0	26.1	23.2	21.3	19.9
17.5°	53.6	51.6	49.6	47.4	45.9	44.2	31.1	24.7	21.8	19.9	18.5
20°	58.2	55.4	52.8	50.2	47.9	45.9	29.7	23.3	20.6	18.5	17.0
22.5°	63.3	60.1	56.8	53.3	50.2	47.4	28.6	22.2	19.4	17.3	15.6
25°	69.9	66.0	61.5	57.0	53.6	49.8	27.3	21.0	18.2	16.1	14.5
27.5°	79.0	73.4	68.5	62.9	57.5	53.3	26.4	20.1	17.0	15.0	13.3
30°	91.4	83.3	75.5	69.4	63.2	57.0	25.5	19.0	16.1	13.8	11.9
32.5°	105.2	95.6	86.7	77.6	69.7	62.7	24.6	18.0	15.0	12.7	11.0
35°	122.2	110.1	98.2	87.6	78.0	68.7	23.6	17.0	14.0	11.4	9.9
37.5°	146.8	131.6	116.0	102.4	90.0	77.6	22.9	16.1	12.8	10.3	8.7
40°	180.5	160.8	141.7	123.3	107.1	91.6	22.0	15.2	11.9	9.4	7.7
42.5°	216.9	193.1	167.9	147.1	124.8	105.5	21.0	14.2	11.0	8.4	6.8
45°	262.3	232.7	202.0	173.7	146.6	121.6	20.1	13.3	9.9	7.4	5.9
47.5°	311.9	274.0	239.4	203.9	171.6	141.7	19.0	12.7	8.9	6.5	5.1
50°	362.9	322.9	279.2	238.7	200.4	161.8	17.8	11.4	7.9	5.9	4.2
52.5°	417.8	370.6	326.0	275.6	231.0	188.2	16.6	10.5	7.3	5.1	3.5
55°	487.7	434.9	382.5	326.1	272.4	218.8	15.4	9.4	6.3	4.5	2.8
57.5°	575.6	512.9	448.7	385.0	319.8	259.1	14.5	8.2	5.4	3.7	2.3
60°	658.6	585.4	507.5	434.4	360.7	290.0	13.1	7.3	4.7	3.1	2.3
62.5°	701.6	618.1	534.2	453.6	375.0	300.9	11.7	6.0	4.0	2.6	2.1
65°	691.1	606.1	524.7	443.3	366.3	293.9	10.3	5.4	3.5	2.3	2.1
66°	675.9	591.7	510.0	432.6	359.1	286.4	9.6	5.1	3.3	2.3	1.9
67.5°	642.7	561.3	483.3	411.3	339.3	272.1	8.7	4.7	3.1	2.1	1.9
70°	548.9	475.1	412.7	348.6	290.0	229.4	7.0	4.0	2.6	1.9	1.9
72.5°	363.4	313.0	271.4	233.6	195.3	151.5	5.9	3.3	2.1	1.9	1.7
75°	137.0	123.9	106.4	95.6	83.4	73.2	4.7	2.1	1.7	1.7	1.7
77.5°	24.3	22.4	19.9	18.2	16.8	15.4	3.7	1.4	1.4	1.7	1.7
80°	16.4	15.2	13.8	12.7	11.7	10.5	2.6	1.2	1.4	1.4	1.7
82.5°	11.7	11.0	10.3	9.4	8.7	7.7	1.7	1.2	1.4	1.4	1.4
85°	7.0	6.5	6.0	5.6	4.9	4.7	1.2	1.2	1.2	1.4	1.4
87.5°	1.9	1.7	1.9	1.9	1.4	1.7	0.9	0.9	0.9	1.2	1.2
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: P180562

CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	36.7	36.7	36.7	36.7	36.7
2.5°	31.1	31.1	30.6	31.3	31.3
5°	26.9	26.9	26.7	26.9	26.9
7.5°	24.6	24.3	24.3	24.3	24.6
10°	22.4	22.2	22.2	22.2	22.2
12.5°	20.6	20.4	20.1	20.4	20.4
15°	19.0	18.5	18.5	18.5	18.5
17.5°	17.5	17.0	16.8	16.8	16.8
20°	16.1	15.4	15.4	15.4	15.4
22.5°	14.7	14.0	14.0	14.0	14.0
25°	13.3	12.7	12.7	12.7	12.7
27.5°	12.2	11.4	11.4	11.4	11.4
30°	10.8	10.3	10.3	10.5	10.3
32.5°	9.9	9.1	9.1	9.4	9.4
35°	8.7	8.2	8.2	8.2	8.2
37.5°	7.4	7.0	7.0	7.0	7.0
40°	6.5	6.0	5.9	6.0	6.0
42.5°	5.6	5.1	4.9	4.9	4.9
45°	4.9	4.2	4.0	4.2	4.2
47.5°	4.0	3.5	3.5	3.7	3.7
50°	3.1	3.1	3.3	3.7	3.7
52.5°	2.8	2.8	3.3	3.7	3.7
55°	2.6	2.8	3.3	3.5	3.7
57.5°	2.3	2.8	3.3	3.5	3.5
60°	2.3	2.6	3.1	3.5	3.5
62.5°	2.1	2.3	2.8	3.3	3.3
65°	2.1	2.3	2.8	3.3	3.3
66°	2.1	2.3	2.8	3.3	3.3
67.5°	2.1	2.3	2.8	3.3	3.3
70°	2.1	2.3	2.8	3.1	3.1
72.5°	1.9	2.1	2.6	3.1	3.1
75°	1.9	2.1	2.6	3.1	3.1
77.5°	1.9	2.1	2.6	3.1	3.1
80°	1.9	2.1	2.6	2.8	3.1
82.5°	1.7	2.1	2.3	2.8	2.8
85°	1.7	1.9	2.3	2.6	2.8
87.5°	1.4	1.7	1.9	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)