

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: P181322

Luminaire Tested: **ICM-F01-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181322
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
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-T3-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1056.7 lumens
Efficiency: N/A
Efficacy: 40.8 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

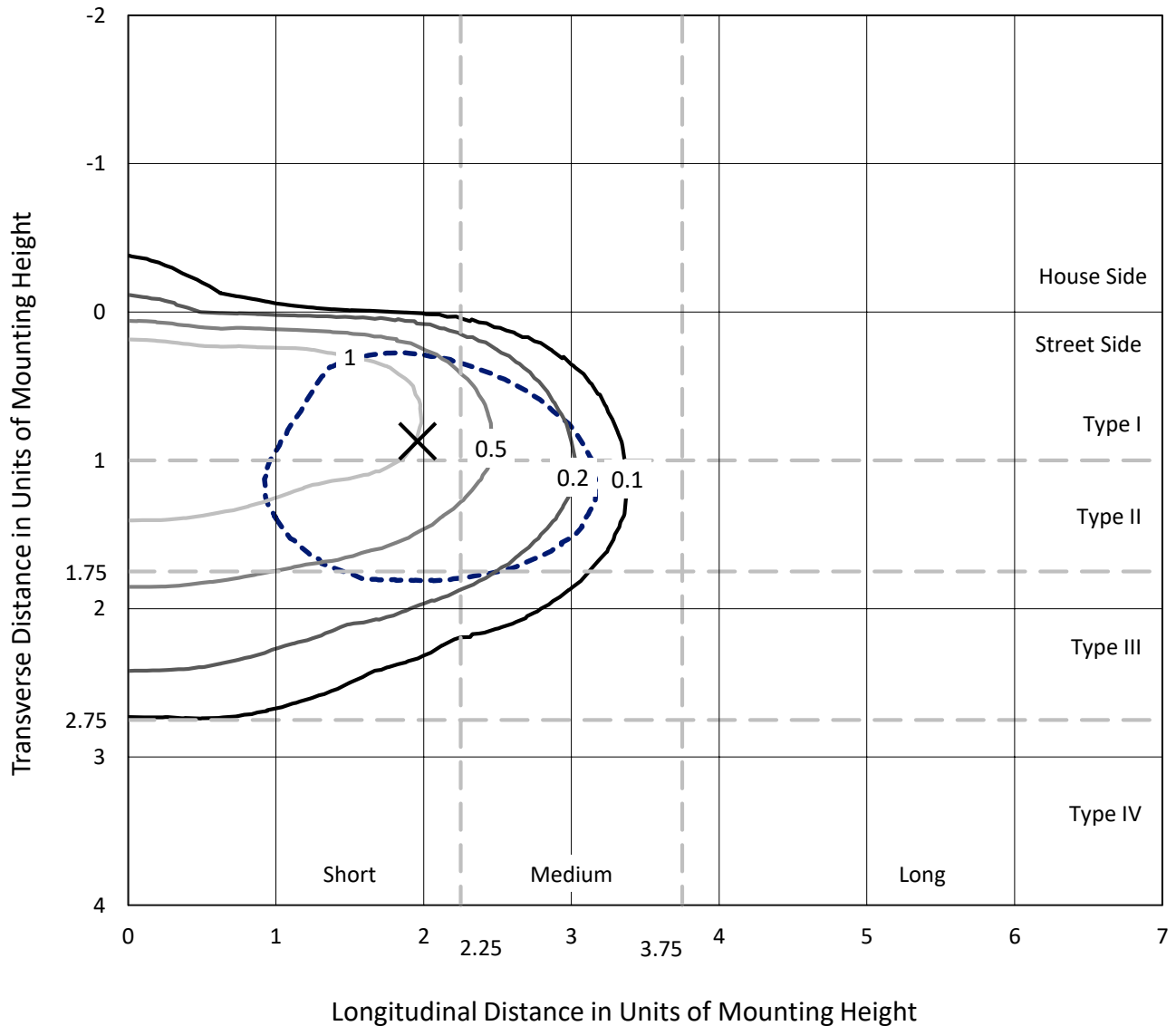
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181322
 CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

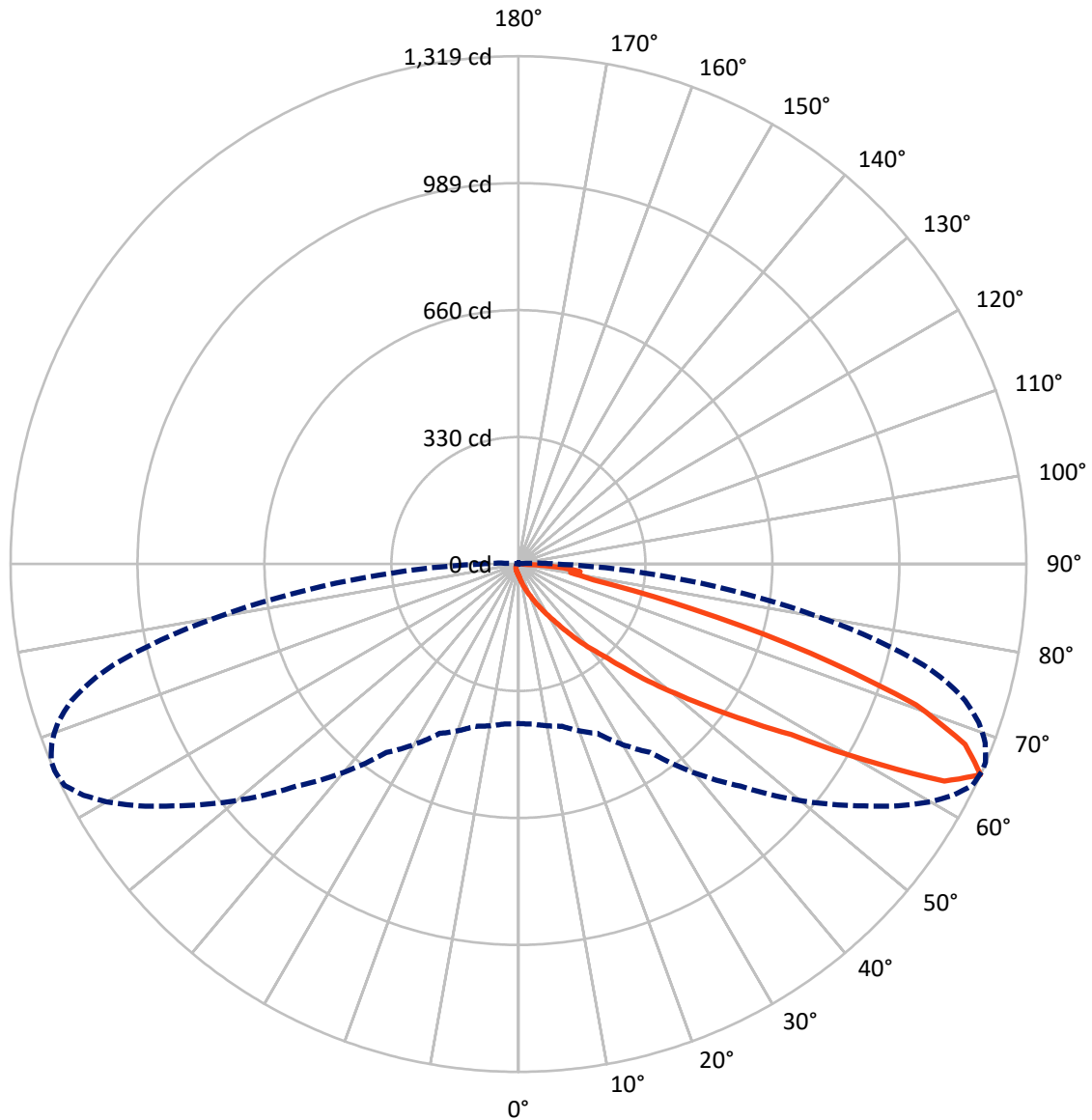
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P181322
CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P181322

CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

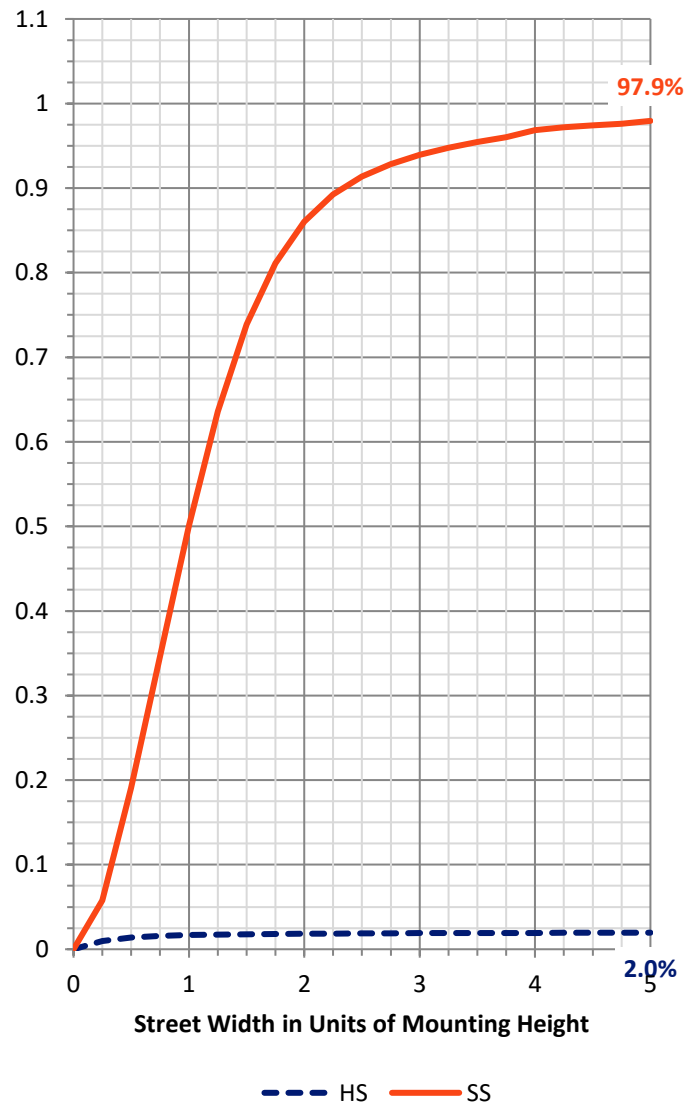
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21.2	0.0	21.2
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	1035.5	0.0	1035.5
	% Fixture	98.0	0.0	98.0
Total	Lumens	1056.7	0.0	1056.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.3
10°-20°	17.2	1.6
20°-30°	39.2	3.7
30°-40°	74.7	7.1
40°-50°	149.9	14.2
50°-60°	265.2	25.1
60°-70°	346.5	32.8
70°-80°	142.5	13.5
80°-90°	18.0	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°	1056.7	100.0
0°-180°	1056.7	100.0



REPORT NUMBER: P181322

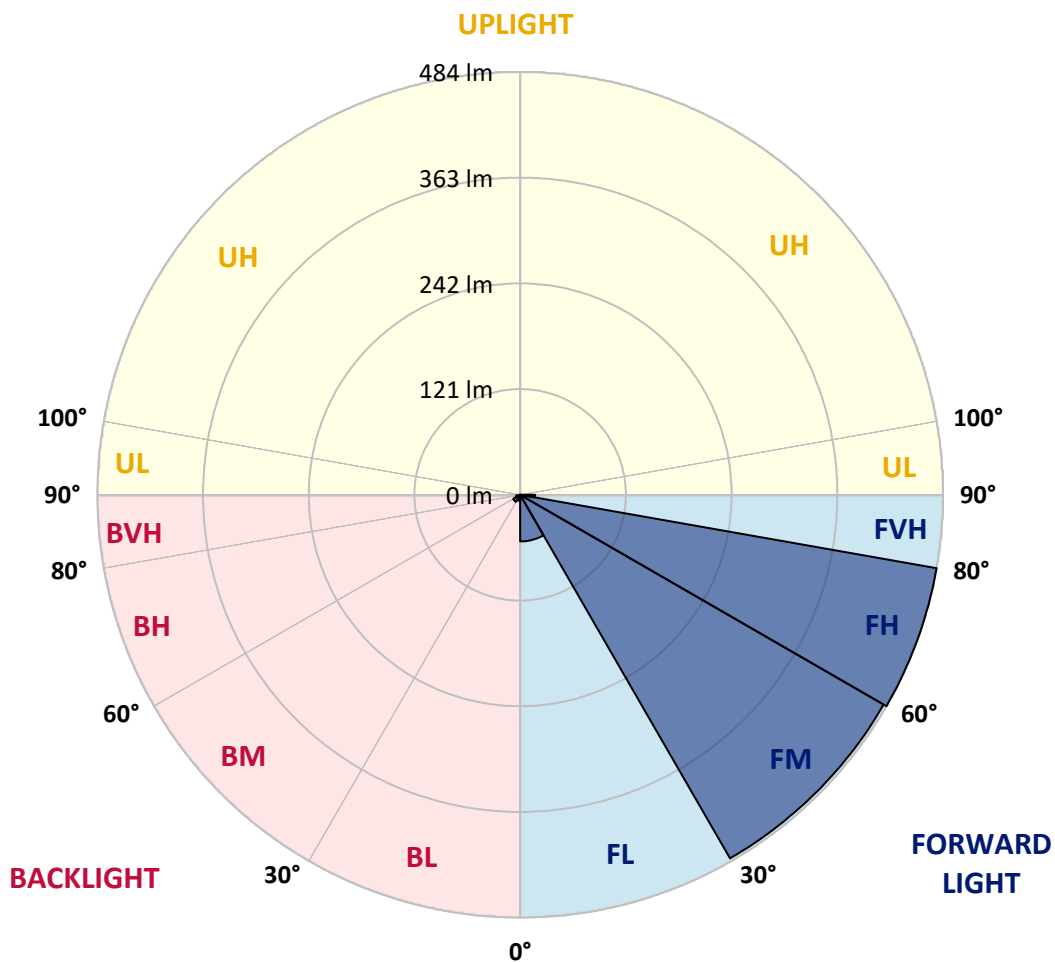
CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.4	5.1			
FM	(30°-60°)	480.7	45.5			
FH	(60°-80°)	484.3	45.8			G0/660
FVH	(80°-90°)	17.1	1.6			G1/100
BL	(0°-30°)	6.6	0.6	B0/110		
BM	(30°-60°)	9.1	0.9	B0/220		
BH	(60°-80°)	4.7	0.4	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: P181322

CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2.5°	38.9	38.2	38.4	37.1	36.3	35.3	34.3	34.1	34.0	33.5	33.7
5°	56.0	55.3	53.8	51.2	48.8	45.1	41.5	41.3	40.7	40.0	39.5
7.5°	77.8	76.7	75.0	70.6	64.8	58.3	51.0	50.3	49.5	48.7	47.7
10°	103.1	102.4	99.2	94.2	85.3	74.8	62.4	61.8	59.8	58.8	57.9
12.5°	129.6	126.8	125.5	116.8	106.7	92.3	76.5	74.1	72.6	71.1	68.9
15°	149.7	150.1	147.2	140.2	128.4	111.4	91.8	89.2	87.1	84.3	81.7
17.5°	167.9	167.0	163.7	159.4	148.2	131.2	108.3	104.7	101.3	99.8	96.1
20°	182.5	182.1	179.5	175.4	166.8	150.3	125.5	122.7	118.8	116.2	112.1
22.5°	194.2	194.2	192.7	190.3	182.0	168.7	143.9	140.8	136.9	133.8	129.2
25°	203.5	203.3	203.5	202.4	196.8	184.7	162.7	159.3	156.0	152.1	147.8
27.5°	214.1	214.5	214.1	213.5	211.1	201.4	181.7	179.3	175.6	171.5	167.3
30°	230.5	229.2	229.0	228.6	225.8	219.7	201.4	198.5	195.7	192.9	189.9
32.5°	247.8	245.7	245.0	245.0	243.1	237.7	224.0	222.5	218.4	216.3	213.7
35°	267.4	266.6	265.8	266.0	265.1	259.4	248.2	248.7	247.4	243.1	240.5
37.5°	296.2	296.4	294.9	292.1	292.1	287.2	280.7	279.8	276.6	275.4	274.0
40°	337.2	336.2	334.9	330.8	329.2	320.8	314.8	312.7	310.0	309.8	308.1
42.5°	384.7	383.4	383.4	380.5	377.4	367.3	355.8	354.3	351.5	352.4	351.7
45°	428.8	430.0	431.4	433.6	434.0	429.7	413.1	411.2	409.6	408.7	408.1
47.5°	466.9	468.8	473.8	483.1	495.0	496.5	483.3	478.1	477.0	475.5	474.2
50°	494.0	496.9	508.1	526.2	549.4	563.6	556.6	552.2	552.0	547.9	547.4
52.5°	509.7	512.7	531.1	558.5	594.3	622.2	631.1	630.9	630.4	626.7	625.2
55°	513.1	516.4	538.4	575.7	627.0	675.2	709.0	710.0	711.8	710.8	710.8
57.5°	503.6	507.7	531.7	578.0	644.0	717.0	791.2	796.1	798.5	806.9	816.7
60°	486.1	489.1	513.1	564.7	647.1	755.3	897.9	913.7	926.0	942.6	958.3
62.5°	453.7	459.7	482.6	538.8	638.0	799.4	1025.3	1054.5	1078.5	1103.7	1134.2
65°	414.3	416.9	436.4	485.5	597.4	816.2	1095.7	1124.3	1155.0	1182.0	1209.2
67.5°	365.1	367.3	384.1	405.1	493.0	737.4	1026.4	1058.0	1085.6	1107.9	1143.5
70°	239.2	243.9	285.2	306.0	344.6	545.1	839.4	869.8	891.0	906.1	947.4
72.5°	175.3	178.2	194.9	237.7	247.2	322.1	590.7	623.7	631.5	660.0	679.3
75°	107.0	114.5	152.1	203.5	240.9	220.6	353.9	369.9	387.8	408.6	426.9
77.5°	21.6	24.7	49.7	140.2	211.9	235.7	211.3	214.3	223.2	225.1	232.0
80°	3.4	3.6	6.5	60.5	122.7	190.5	211.3	208.5	203.5	200.1	196.6
82.5°	1.5	1.8	2.8	15.3	26.1	63.5	182.8	197.0	213.5	222.5	224.9
85°	0.7	0.7	1.1	3.1	3.9	4.3	30.9	40.8	72.8	96.7	111.4
87.5°	0.5	0.5	0.7	0.7	0.8	1.1	1.5	1.5	1.8	2.0	2.8
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: P181322

CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2.5°	33.7	33.5	33.5	32.8	32.8	32.7	32.7	32.4	32.4	32.0	32.2
5°	39.3	38.9	38.4	37.8	37.6	37.1	36.7	36.1	35.9	35.4	35.3
7.5°	46.9	46.4	45.6	44.3	43.4	42.6	41.7	40.8	40.2	39.5	39.1
10°	56.2	54.9	54.4	51.8	50.8	49.0	48.0	47.1	45.8	44.7	44.1
12.5°	67.4	66.3	64.2	60.7	59.0	57.5	55.5	53.8	52.5	50.5	49.3
15°	79.1	78.2	75.2	71.3	69.1	66.3	64.4	62.7	59.8	58.5	56.2
17.5°	93.8	91.2	88.2	82.5	79.7	77.3	73.9	71.3	69.6	65.7	63.5
20°	108.9	106.0	102.2	95.9	92.0	88.4	85.6	82.1	78.4	75.8	72.2
22.5°	126.1	121.7	118.6	110.8	106.3	102.4	97.7	94.0	90.3	86.2	82.1
25°	144.6	140.0	136.3	127.4	122.7	118.8	113.2	108.0	103.4	99.0	94.2
27.5°	163.7	159.6	155.5	146.5	142.3	136.9	131.8	125.8	119.9	115.8	109.3
30°	186.0	182.5	178.0	168.3	163.7	158.1	152.7	145.6	140.0	134.4	128.1
32.5°	210.0	207.2	202.4	193.8	188.4	183.6	177.8	170.9	162.9	157.0	149.7
35°	239.2	234.4	231.6	223.4	219.3	214.1	208.1	202.0	193.6	185.4	179.1
37.5°	272.5	270.2	266.6	258.8	255.8	250.4	246.5	240.5	234.0	223.6	216.9
40°	306.6	305.0	301.8	294.0	291.0	287.4	282.8	276.9	269.2	263.8	253.9
42.5°	350.0	347.6	345.0	337.7	331.8	327.4	325.4	320.4	312.2	305.3	297.5
45°	405.1	404.0	400.6	393.2	387.4	384.4	381.3	372.9	367.4	360.6	355.2
47.5°	471.6	468.2	466.4	458.2	456.3	453.9	446.1	441.4	433.6	428.2	421.5
50°	543.5	539.9	540.1	530.1	530.6	528.8	523.1	517.4	510.7	506.0	501.9
52.5°	620.9	622.6	618.3	621.3	617.9	614.0	612.9	606.0	600.2	599.9	594.3
55°	716.0	713.1	714.2	717.3	712.5	716.8	714.7	705.8	706.1	707.7	701.3
57.5°	818.1	822.2	831.1	833.0	841.3	835.6	850.3	839.7	846.2	846.2	842.0
60°	968.1	984.5	1005.9	1022.5	1037.9	1032.9	1052.1	1040.0	1048.7	1041.3	1037.7
62.5°	1148.7	1170.5	1195.8	1222.8	1238.3	1242.2	1239.4	1244.8	1236.4	1231.0	1216.9
65°	1235.5	1257.1	1279.2	1311.6	1315.9	1319.2	1317.9	1308.8	1298.4	1283.1	1264.8
67.5°	1163.4	1193.7	1206.0	1243.4	1255.8	1251.4	1252.8	1241.1	1224.9	1209.9	1182.8
70°	964.7	999.2	1005.7	1059.3	1074.1	1095.7	1088.0	1084.6	1066.8	1054.1	1024.3
72.5°	702.3	729.4	727.2	787.4	784.8	793.8	814.7	813.9	795.3	791.2	766.1
75°	432.3	448.5	447.6	490.4	472.5	469.9	475.7	473.1	455.6	437.5	422.0
77.5°	229.0	236.4	228.6	215.8	214.5	200.1	195.9	195.7	182.3	166.0	153.9
80°	192.9	185.4	176.3	157.7	146.9	137.2	128.1	119.7	110.6	98.5	83.8
82.5°	225.3	221.7	215.2	191.8	180.7	161.2	146.7	133.1	116.5	103.9	85.1
85°	109.8	109.5	114.7	112.4	108.3	107.3	93.1	90.0	83.3	76.5	63.9
87.5°	3.1	2.1	2.6	2.1	2.6	2.8	2.0	4.6	2.8	2.6	3.1
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: P181322

CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2.5°	32.0	31.7	31.5	31.5	31.3	31.3	31.1	30.9	30.9	30.7	30.7
5°	34.8	34.3	34.1	34.0	33.5	33.3	32.8	32.7	32.2	32.0	31.5
7.5°	38.2	37.8	36.9	36.5	35.9	35.6	34.6	34.1	33.7	33.3	32.7
10°	42.6	41.5	40.7	39.7	38.7	37.8	36.9	36.3	35.4	34.3	34.0
12.5°	48.0	46.4	45.1	43.6	42.3	41.0	39.5	38.4	37.1	36.1	35.0
15°	54.0	51.8	50.1	48.0	45.8	44.3	42.8	41.3	39.5	38.0	36.7
17.5°	60.9	58.1	55.7	53.1	50.8	48.7	46.0	44.1	42.1	40.0	38.2
20°	68.3	65.5	62.2	59.4	56.0	53.6	50.3	47.7	44.9	42.8	40.4
22.5°	78.0	74.3	70.2	66.3	62.7	59.0	55.5	52.3	48.8	45.6	43.2
25°	89.4	84.9	79.7	75.8	70.6	66.5	62.2	58.1	54.4	50.3	46.4
27.5°	103.7	97.7	92.0	86.6	81.0	75.8	70.2	65.5	60.5	55.7	51.4
30°	120.4	114.5	106.0	100.0	94.4	87.3	81.7	75.4	69.8	62.9	58.1
32.5°	142.3	134.8	126.0	118.0	110.6	102.6	94.9	86.9	79.5	73.2	66.1
35°	171.1	162.2	151.6	141.5	133.3	123.5	113.7	104.6	96.1	87.1	78.2
37.5°	207.4	199.2	187.7	175.4	164.4	152.7	142.3	129.6	118.4	107.3	96.1
40°	243.4	235.9	224.0	210.9	196.6	183.2	170.0	155.5	141.3	127.4	115.8
42.5°	288.0	276.7	264.0	249.1	235.3	219.3	202.9	186.2	169.1	152.6	135.9
45°	343.9	335.3	317.4	301.4	284.9	266.1	245.9	226.9	205.0	185.4	163.3
47.5°	412.0	396.5	383.3	368.6	348.0	329.9	304.0	281.5	254.3	228.2	201.8
50°	492.4	483.7	466.2	447.8	425.6	404.0	378.7	346.3	313.7	285.9	249.8
52.5°	586.3	574.1	563.0	544.0	521.3	493.7	464.9	429.7	389.8	350.4	312.0
55°	697.9	689.2	678.6	663.4	634.5	603.2	568.7	526.5	479.2	426.2	381.5
57.5°	841.7	832.7	822.5	791.4	771.7	733.2	683.2	639.4	588.5	520.7	465.1
60°	1038.1	1025.8	1011.5	986.2	945.2	895.3	841.5	776.9	714.4	640.4	567.5
62.5°	1206.0	1186.3	1155.8	1123.2	1074.0	1016.7	949.1	873.0	802.0	718.5	637.6
65°	1240.6	1213.5	1177.7	1135.1	1084.3	1019.7	949.1	876.3	792.7	714.2	632.7
67.5°	1150.6	1119.4	1082.6	1035.1	986.7	920.1	859.2	785.1	706.4	638.6	565.9
70°	1002.9	956.4	918.8	868.3	819.3	767.0	702.8	647.3	583.4	520.8	465.1
72.5°	753.1	707.4	673.2	632.7	603.6	548.3	501.2	459.7	422.0	375.3	334.0
75°	406.0	371.6	348.7	330.3	304.2	267.7	245.2	216.7	200.7	181.3	162.4
77.5°	132.5	116.7	99.6	83.0	71.3	53.6	51.8	41.3	38.9	37.8	29.2
80°	67.8	52.3	37.8	27.3	20.7	18.3	17.5	16.7	15.8	15.2	14.0
82.5°	68.1	49.3	34.0	23.5	17.0	14.2	13.4	12.9	12.3	11.6	10.8
85°	49.7	36.7	25.3	17.3	11.9	9.5	9.1	8.5	8.0	7.8	6.9
87.5°	3.3	2.4	2.1	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.0
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: P181322

CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2.5°	30.4	30.2	30.2	30.0	29.8	29.8	29.6	29.6	28.9	27.9	27.0
5°	31.3	30.9	30.7	30.4	30.2	29.8	29.6	29.4	28.3	26.1	24.4
7.5°	32.0	31.5	31.3	30.9	30.2	30.0	29.6	29.2	27.4	24.4	22.5
10°	33.0	32.4	31.7	31.1	30.4	30.0	29.4	28.9	26.3	22.9	20.9
12.5°	34.1	33.3	32.4	31.3	30.7	30.0	29.4	28.6	25.5	21.6	19.4
15°	35.4	34.1	33.0	32.0	30.9	30.0	28.9	28.3	24.7	20.6	18.6
17.5°	36.7	35.3	33.7	32.2	31.1	29.8	28.9	27.9	23.7	19.6	17.5
20°	38.2	36.1	34.6	32.8	31.3	29.8	28.6	27.4	22.9	18.6	16.5
22.5°	40.4	37.8	35.4	33.5	31.5	30.0	28.6	27.0	22.0	17.7	15.5
25°	43.2	40.0	37.1	34.8	32.4	30.4	28.7	27.3	21.4	17.0	14.5
27.5°	47.3	43.2	40.2	36.9	34.0	31.5	29.4	27.6	20.9	16.5	13.9
30°	52.3	48.2	43.4	39.5	36.3	33.0	30.7	28.1	20.6	15.8	12.9
32.5°	59.6	53.8	48.2	43.4	38.9	35.3	31.7	29.2	20.3	14.7	12.1
35°	70.2	62.2	55.5	49.3	43.0	38.4	34.3	30.9	20.1	13.9	11.3
37.5°	85.3	75.8	67.2	58.3	50.5	44.1	38.4	34.0	20.1	13.2	10.3
40°	101.6	89.2	78.2	67.2	57.2	49.0	41.5	35.9	19.6	12.3	9.5
42.5°	119.9	104.7	89.7	76.1	63.7	53.1	44.3	37.4	18.6	11.4	8.7
45°	144.6	124.7	106.5	89.0	73.0	59.2	48.0	39.1	17.5	10.8	7.8
47.5°	175.4	152.3	128.7	106.7	85.8	68.3	53.4	42.0	16.8	10.0	7.2
50°	221.5	188.7	157.5	129.4	102.8	79.9	61.4	46.0	16.2	9.3	6.5
52.5°	272.0	231.6	195.1	159.0	126.0	95.7	70.6	51.4	15.5	8.7	5.9
55°	333.6	283.9	239.4	192.5	150.1	114.0	82.1	57.5	14.7	8.0	5.4
57.5°	409.6	346.8	294.0	236.7	183.6	137.9	97.4	67.6	13.9	7.2	4.7
60°	494.5	423.4	357.1	290.0	225.6	169.4	120.1	82.1	12.9	6.2	4.1
62.5°	555.6	477.7	401.9	326.4	255.8	192.9	138.5	93.3	11.6	5.4	3.6
65°	555.0	475.9	399.7	325.4	256.7	193.8	139.2	95.5	10.3	4.7	3.3
67.5°	494.5	428.0	359.9	293.2	233.1	176.3	128.7	88.6	8.8	4.3	2.8
70°	406.8	353.9	300.1	247.2	199.0	151.0	111.3	77.1	7.5	3.9	2.4
72.5°	297.0	258.4	225.6	188.2	155.3	119.3	88.8	60.5	6.0	3.3	2.1
75°	147.5	132.0	113.2	101.6	86.6	70.9	55.1	35.3	4.9	2.6	2.0
77.5°	28.1	25.0	24.0	20.7	19.0	16.8	14.9	10.6	3.9	2.0	1.8
80°	12.9	11.9	10.8	9.8	8.7	7.3	6.5	5.6	3.1	1.5	2.0
82.5°	10.1	9.3	8.2	7.3	6.5	5.6	4.7	4.1	2.0	1.3	2.0
85°	6.7	5.9	5.2	4.6	3.9	3.4	3.1	2.6	1.3	1.3	1.3
87.5°	2.0	2.0	1.8	1.8	1.5	1.5	1.3	1.3	1.1	1.1	1.1
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: P181322

CATALOG NUMBER: ICM-F01-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2.5°	26.1	25.0	24.7	24.4	24.4	24.7	24.4
5°	23.2	22.0	21.6	21.2	21.2	21.2	21.4
7.5°	21.2	20.1	19.4	19.3	19.0	19.3	19.3
10°	19.4	18.6	17.7	17.3	17.3	17.3	17.3
12.5°	18.1	17.0	16.2	16.0	15.8	15.8	15.8
15°	17.0	15.8	15.2	14.7	14.5	14.5	14.7
17.5°	15.8	14.7	13.9	13.6	13.6	13.6	13.6
20°	14.9	13.6	12.9	12.6	12.6	12.6	12.6
22.5°	13.9	12.7	11.9	11.4	11.4	11.4	11.4
25°	12.9	11.9	11.0	10.6	10.6	10.6	10.6
27.5°	12.1	11.0	10.1	9.8	9.8	9.8	9.8
30°	11.3	10.1	9.3	8.8	8.8	8.8	8.8
32.5°	10.6	9.3	8.5	8.0	8.0	8.2	8.0
35°	9.5	8.5	7.5	7.2	7.2	7.2	7.2
37.5°	8.7	7.5	6.7	6.2	6.2	6.2	6.0
40°	8.0	6.7	5.9	5.4	5.2	5.2	5.2
42.5°	6.9	5.6	4.9	4.6	4.3	4.3	4.3
45°	6.2	4.9	4.1	3.6	3.6	3.6	3.6
47.5°	5.6	4.3	3.4	3.1	3.1	3.3	3.3
50°	4.9	3.6	2.8	2.8	2.8	3.1	3.1
52.5°	4.3	3.3	2.6	2.6	2.8	3.1	3.1
55°	3.9	2.8	2.4	2.6	2.8	3.1	3.1
57.5°	3.4	2.4	2.4	2.6	2.8	3.1	3.1
60°	3.1	2.1	2.1	2.4	2.8	3.1	3.1
62.5°	2.6	2.1	2.1	2.4	2.8	3.1	3.1
65°	2.4	2.1	2.1	2.4	2.8	3.1	3.1
67.5°	2.1	2.0	2.1	2.4	2.6	2.8	2.8
70°	2.0	2.0	2.1	2.4	2.6	2.8	2.8
72.5°	2.0	2.0	2.0	2.1	2.4	2.6	2.6
75°	2.0	2.0	2.0	2.1	2.4	2.6	2.6
77.5°	2.0	1.8	1.8	2.0	2.4	2.6	2.6
80°	2.0	1.8	1.8	2.0	2.1	2.6	2.6
82.5°	1.5	1.5	1.8	2.0	2.1	2.4	2.4
85°	1.3	1.5	1.5	1.8	2.0	2.4	2.4
87.5°	1.1	1.1	1.3	1.5	1.8	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)