

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: P181422

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181422
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
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-T3-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1998.8 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - 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

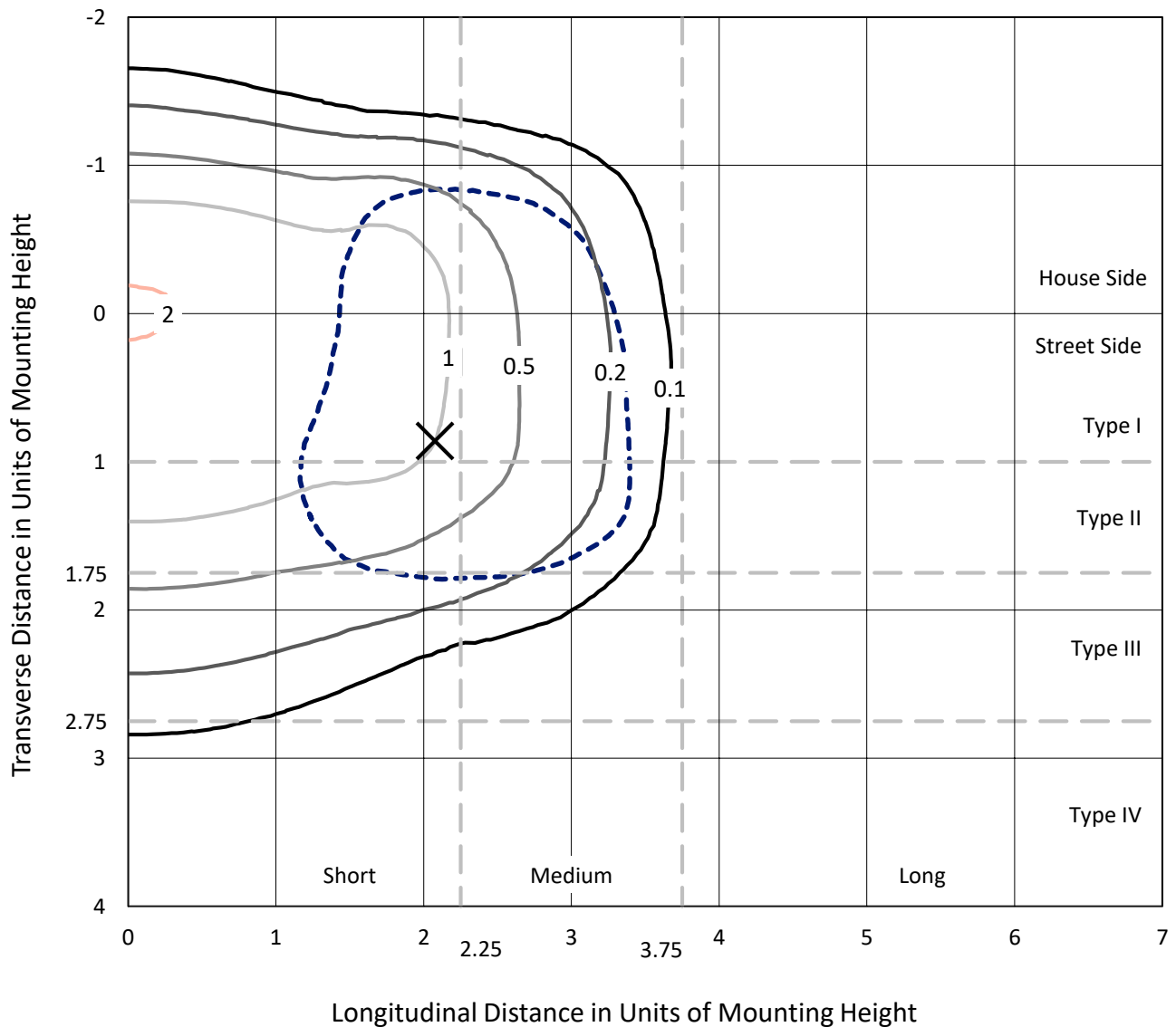


REPORT NUMBER: P181422

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

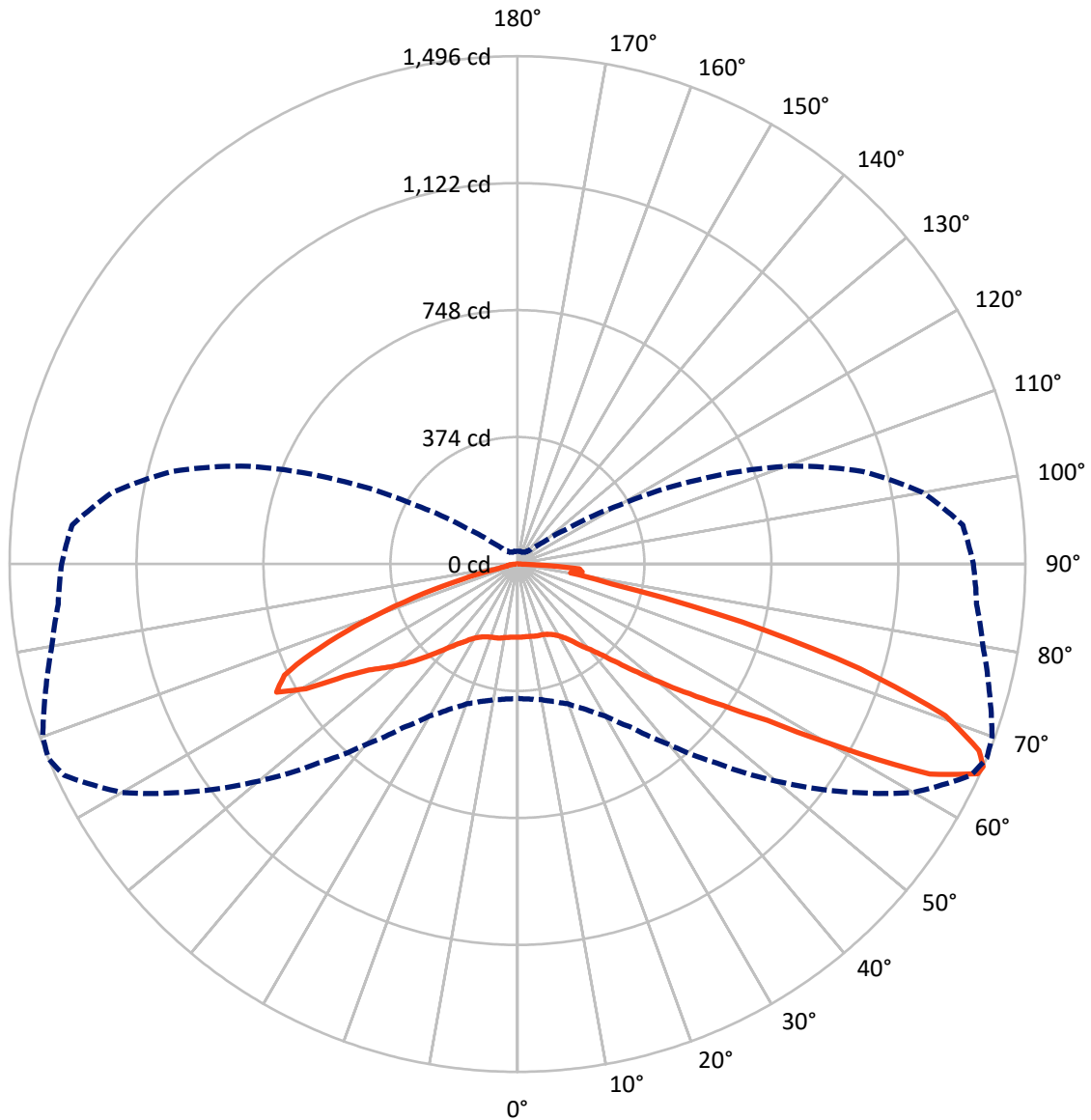


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P181422

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

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P181422

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

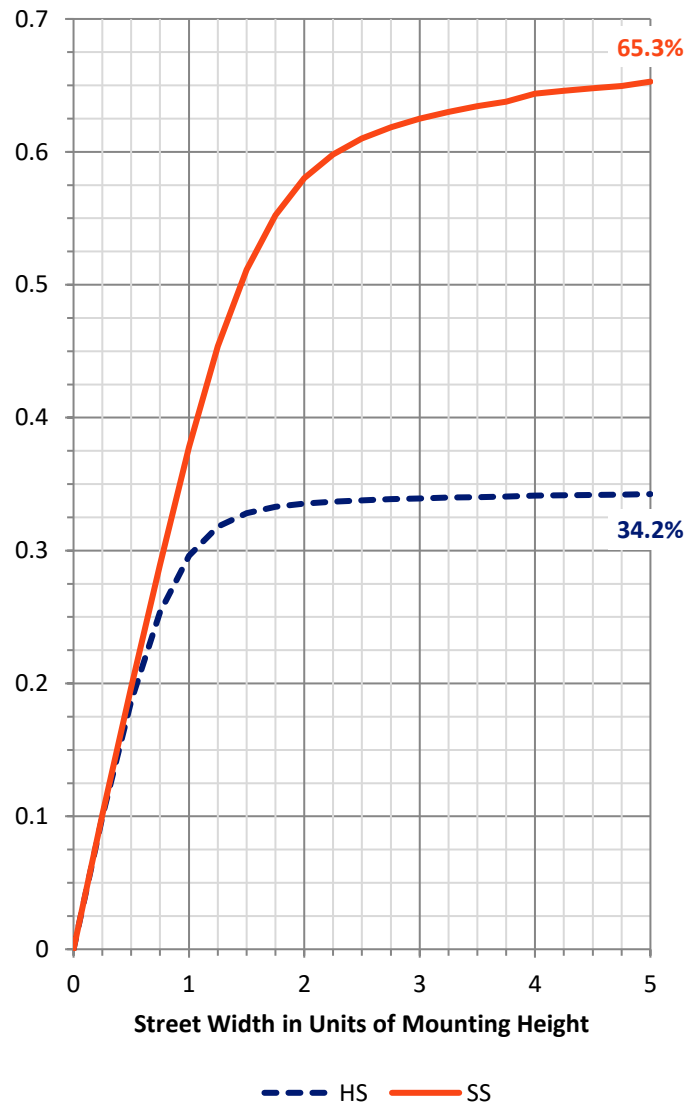
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	690.2	0.0	690.2
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1308.5	0.0	1308.5
	% Fixture	65.5	0.0	65.5
Total	Lumens	1998.8	0.0	1998.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	1.0
10°-20°	60.9	3.0
20°-30°	104.6	5.2
30°-40°	169.9	8.5
40°-50°	283.7	14.2
50°-60°	446.7	22.3
60°-70°	609.1	30.5
70°-80°	263.7	13.2
80°-90°	39.6	2.0
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°	1998.8	100.0
0°-180°	1998.8	100.0

Coefficient of Utilization



REPORT NUMBER: P181422

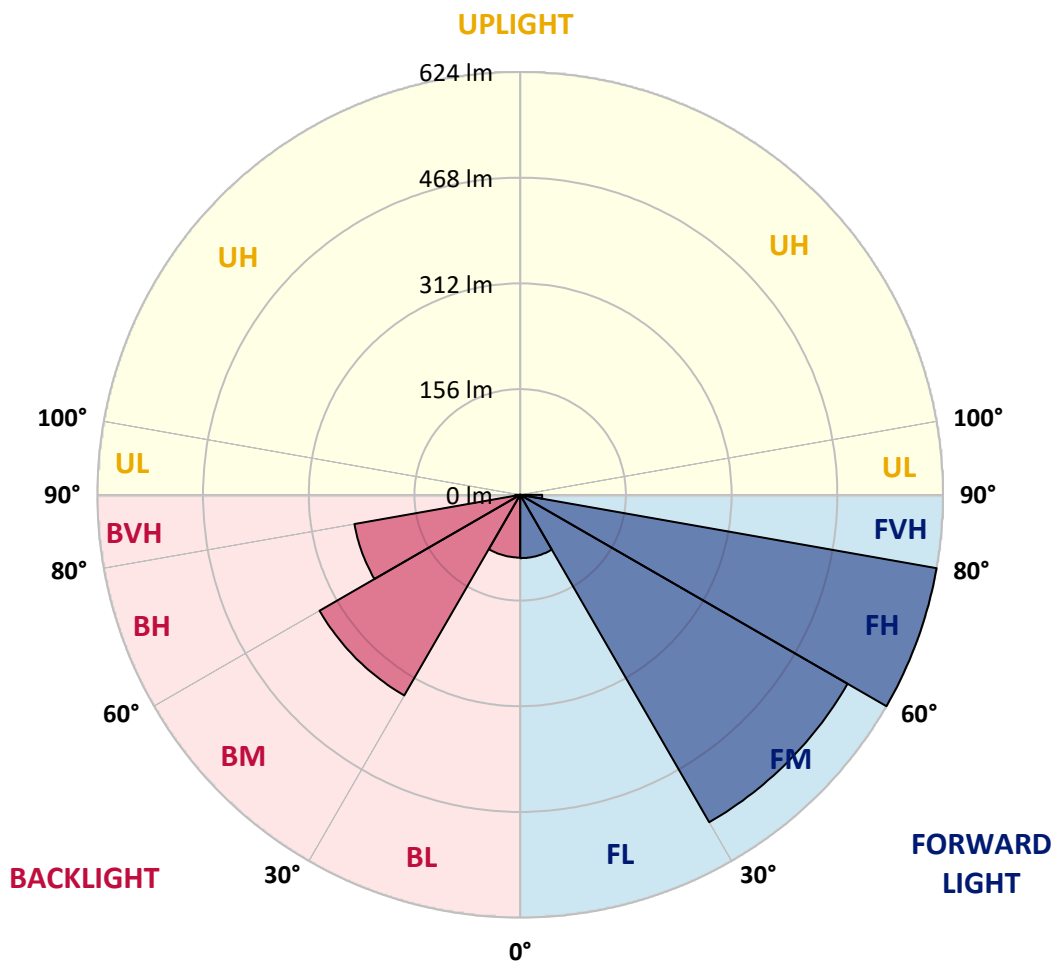
CATALOG NUMBER: ICM-F01-LED-E1-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.5	4.7			
FM	(30°-60°)	558.2	27.9			
FH	(60°-80°)	624.3	31.2			G0/660
FVH	(80°-90°)	32.6	1.6			G1/100
BL	(0°-30°)	92.7	4.6	B0/110		
BM	(30°-60°)	342.0	17.1	B1/1000		
BH	(60°-80°)	248.5	12.4	B1/500		G1/500
BVH	(80°-90°)	7.1	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 III Short





REPORT NUMBER: P181422

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4
2.5°	216.3	217.1	216.3	216.5	216.7	216.5	216.3	216.3	215.6	216.0	216.5
5°	215.4	216.0	215.8	216.0	216.3	216.0	215.8	216.0	215.6	215.8	216.5
7.5°	214.3	214.1	214.3	214.8	215.2	215.2	215.2	215.4	215.2	215.2	215.8
10°	211.1	211.3	211.7	212.4	212.6	213.2	213.2	213.9	214.1	214.5	215.4
12.5°	207.0	207.2	207.6	208.1	209.1	210.2	210.2	211.7	212.4	213.5	215.0
15°	203.9	204.2	204.6	205.0	205.9	207.0	207.6	209.3	210.4	212.4	214.5
17.5°	205.7	205.5	205.9	206.1	206.1	207.0	207.0	208.3	209.6	211.3	214.1
20°	210.6	210.6	211.1	211.1	210.9	211.3	210.4	210.4	210.6	211.5	213.5
22.5°	215.6	215.4	216.3	216.7	216.9	217.6	216.7	216.5	215.4	214.8	215.4
25°	220.4	220.2	221.2	221.9	223.0	223.6	223.6	223.6	222.7	221.7	221.0
27.5°	227.7	227.7	228.7	229.4	230.3	231.6	232.3	232.3	232.5	231.0	229.9
30°	240.0	240.3	240.5	241.3	242.1	242.6	243.4	244.1	244.7	243.9	242.1
32.5°	254.7	253.4	253.4	254.7	255.8	257.1	257.5	258.4	259.7	259.1	258.8
35°	272.2	271.8	271.4	271.8	273.1	274.6	276.3	277.9	276.9	278.2	277.6
37.5°	298.1	298.6	298.8	298.8	298.6	299.0	299.9	301.4	300.9	301.4	302.2
40°	340.9	339.4	337.9	338.1	335.9	336.4	332.9	334.4	334.6	333.1	333.8
42.5°	383.7	384.6	385.2	387.0	385.4	384.6	381.3	381.3	379.6	378.0	377.7
45°	430.0	431.6	431.9	435.4	434.0	436.8	439.3	438.6	435.7	435.5	432.6
47.5°	466.9	469.7	472.7	476.8	480.0	486.3	493.7	497.3	499.5	501.2	497.8
50°	494.5	495.8	503.6	510.0	517.2	527.5	537.8	550.9	561.5	566.4	571.3
52.5°	509.4	512.7	521.1	531.3	543.8	559.4	575.7	596.7	614.9	627.0	637.8
55°	512.7	515.9	525.4	538.4	555.4	576.4	599.9	628.5	655.7	679.0	701.7
57.5°	503.6	507.3	517.4	532.4	552.5	578.0	607.5	644.9	682.5	720.3	753.8
60°	487.0	491.5	500.7	515.4	537.8	566.4	601.9	648.7	701.5	759.4	823.5
62.5°	459.5	464.3	472.9	489.1	512.0	543.8	584.8	643.2	717.7	808.8	922.7
65°	415.4	417.6	428.2	444.7	464.9	499.9	545.1	615.5	712.5	839.4	996.2
66°	395.5	399.3	405.8	418.9	438.3	471.2	516.6	588.1	692.8	828.7	994.2
67.5°	364.5	367.3	371.6	380.5	392.4	416.6	459.5	527.2	632.7	775.2	952.9
70°	294.7	296.0	301.8	304.8	308.9	316.9	332.5	371.4	453.7	587.4	769.1
72.5°	200.9	204.6	210.9	219.5	230.7	241.6	248.8	253.9	271.5	350.4	512.5
75°	147.3	151.3	159.3	170.7	190.3	212.8	236.1	247.0	239.6	229.4	285.4
77.5°	85.6	90.7	97.4	108.5	126.6	156.4	196.4	231.8	255.8	257.3	244.4
80°	36.1	36.7	40.8	46.4	57.7	78.6	109.8	160.7	213.9	249.8	258.1
82.5°	8.2	10.1	12.9	15.3	18.8	26.0	38.4	63.9	115.6	181.3	236.4
85°	3.1	3.1	4.1	6.0	6.9	7.8	10.1	16.2	27.6	51.0	106.3
87.5°	0.0	0.2	0.5	0.5	0.8	1.1	1.8	2.4	2.1	2.0	6.5
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: P181422

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4
2.5°	216.0	215.8	215.4	215.4	215.4	215.4	215.0	215.2	214.8	215.0	215.0
5°	215.8	215.8	215.6	215.2	215.4	215.4	215.6	215.2	215.2	215.4	215.2
7.5°	215.8	215.6	215.6	215.6	215.8	215.6	215.8	215.8	215.8	216.0	216.0
10°	215.8	215.8	216.3	216.5	216.5	216.7	217.3	217.3	217.6	217.8	218.2
12.5°	216.0	216.9	217.6	218.2	218.4	218.9	219.9	219.9	220.4	221.0	221.2
15°	216.3	217.6	218.9	219.3	219.7	220.6	221.7	222.0	222.7	223.4	223.8
17.5°	216.0	217.8	219.3	219.9	220.6	221.7	223.0	223.4	224.3	225.1	226.0
20°	215.8	218.2	220.6	221.5	222.3	223.8	225.6	226.6	227.5	228.7	229.7
22.5°	217.1	219.9	223.2	224.5	226.0	227.9	230.3	231.6	232.7	234.0	234.6
25°	221.2	223.4	227.3	229.4	231.4	234.6	237.9	239.4	240.7	241.8	242.0
27.5°	228.2	228.7	233.6	236.4	239.2	244.4	248.2	249.3	251.7	252.6	252.4
30°	239.4	238.3	242.1	246.5	250.6	257.8	262.5	265.3	267.4	267.4	265.8
32.5°	255.5	253.9	254.9	259.9	264.7	275.0	280.7	284.3	285.9	285.4	281.7
35°	276.7	275.6	275.0	278.9	286.5	298.6	306.0	307.8	310.2	309.8	305.0
37.5°	301.8	300.9	300.9	305.5	312.8	330.8	338.8	340.1	339.8	336.4	327.5
40°	331.4	331.0	329.0	331.6	337.9	361.2	372.0	373.8	371.4	365.8	355.4
42.5°	374.0	371.4	365.3	366.9	371.6	394.2	408.3	413.1	410.7	405.1	388.2
45°	429.5	426.7	416.6	415.3	417.9	437.7	455.8	456.9	456.5	449.4	429.5
47.5°	494.7	490.4	479.6	476.2	475.3	493.7	511.2	512.9	511.8	501.2	474.6
50°	565.4	559.2	552.0	549.6	546.1	559.4	577.0	577.3	572.9	558.2	533.4
52.5°	640.7	638.6	637.3	635.0	633.4	644.9	655.7	649.2	642.7	627.4	605.8
55°	716.8	725.7	734.8	735.6	738.2	750.5	750.3	732.6	727.8	719.4	698.1
57.5°	797.6	830.5	859.0	867.8	876.5	899.4	897.2	879.7	873.7	863.4	845.6
60°	907.6	996.2	1078.5	1098.1	1111.7	1139.2	1136.6	1109.6	1122.1	1121.3	1098.3
62.5°	1061.7	1208.9	1332.4	1362.6	1372.1	1375.1	1358.7	1329.5	1341.9	1355.6	1285.2
65°	1166.0	1339.3	1465.9	1489.2	1490.5	1454.4	1417.9	1383.5	1380.5	1368.7	1267.9
66°	1168.4	1345.8	1472.8	1495.5	1487.5	1438.2	1392.0	1357.4	1342.5	1316.4	1212.0
67.5°	1126.4	1305.3	1442.1	1466.1	1448.6	1378.8	1315.1	1270.5	1241.4	1199.1	1107.0
70°	946.1	1123.4	1291.9	1336.7	1342.2	1238.1	1149.8	1097.5	1058.1	1000.1	920.7
72.5°	703.4	863.7	1012.4	1055.2	1076.9	993.8	919.3	879.5	825.7	764.6	708.2
75°	440.9	554.1	653.8	683.8	663.3	598.9	554.1	537.5	484.6	448.1	422.3
77.5°	252.1	287.5	295.5	284.1	259.9	199.0	141.5	104.7	91.0	100.7	111.1
80°	246.0	225.6	179.7	158.1	143.3	98.5	57.9	39.7	33.0	34.0	36.7
82.5°	266.6	286.0	235.4	192.1	161.2	108.9	60.1	32.0	21.6	25.5	28.7
85°	173.3	241.1	217.1	183.0	148.2	93.1	49.5	16.7	11.0	14.5	19.9
87.5°	17.5	19.3	16.5	22.2	16.7	7.8	3.9	2.4	2.1	2.6	3.9
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: P181422

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

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4
2.5°	215.2	215.2	215.4	215.6	215.8	216.0	216.0	216.0	216.0	216.5	216.3
5°	215.6	216.0	216.5	216.7	217.1	217.1	217.8	217.6	217.6	218.2	218.4
7.5°	216.5	217.1	218.0	217.8	218.6	218.4	218.9	218.9	218.2	218.4	218.0
10°	218.4	219.3	219.7	219.1	219.3	218.4	218.2	217.1	215.8	215.2	214.3
12.5°	221.7	222.5	222.5	221.5	220.2	218.2	216.7	214.3	212.4	211.3	210.2
15°	224.5	225.3	225.1	223.4	221.5	218.4	216.3	213.5	210.6	208.9	207.8
17.5°	226.6	227.1	226.4	224.0	221.9	219.1	216.9	213.9	210.6	208.5	206.5
20°	229.9	229.4	227.9	224.9	222.5	219.9	218.2	215.6	211.9	209.1	206.3
22.5°	234.6	232.9	230.0	226.9	224.5	222.0	220.4	217.6	213.9	210.4	207.2
25°	240.9	237.4	233.6	230.0	227.9	225.3	223.4	220.4	216.5	212.6	208.7
27.5°	250.0	243.9	239.0	235.9	233.6	230.3	227.9	224.0	219.9	215.4	211.1
30°	260.1	251.9	247.2	244.7	242.1	238.7	235.1	230.0	225.3	220.4	215.2
32.5°	273.3	263.4	258.8	256.5	253.0	248.7	244.4	238.7	232.0	225.6	219.3
35°	290.6	280.5	275.6	272.0	267.3	261.6	255.4	247.8	238.7	230.0	222.0
37.5°	309.1	298.1	293.6	289.7	282.6	275.3	266.4	255.4	243.1	231.6	221.7
40°	332.7	322.5	316.7	310.0	301.6	288.8	275.0	259.1	243.3	229.2	217.6
42.5°	362.5	352.4	343.7	333.1	318.4	298.8	279.2	258.4	239.4	223.4	210.9
45°	402.0	389.8	374.8	356.3	332.5	305.0	279.4	254.3	232.0	214.3	200.9
47.5°	450.4	431.6	407.3	375.9	341.8	306.8	275.9	246.0	220.6	201.4	186.4
50°	507.9	478.3	438.1	392.1	346.5	304.2	267.3	233.8	204.4	183.8	166.1
52.5°	573.6	525.2	466.0	403.8	346.3	295.5	252.6	215.2	183.2	160.3	143.4
55°	650.7	578.8	494.7	412.5	340.3	279.5	230.0	189.0	157.0	135.9	120.4
57.5°	763.7	665.6	544.8	425.9	328.2	254.9	199.6	157.7	129.6	109.5	96.4
60°	970.2	810.6	635.2	452.8	309.6	218.9	164.0	124.2	100.7	84.5	75.6
62.5°	1125.8	922.7	684.0	446.8	272.2	174.3	121.7	90.5	74.1	63.1	57.5
65°	1103.5	887.9	631.9	384.7	213.5	122.9	80.8	61.6	51.0	45.8	42.6
66°	1053.2	842.6	586.8	346.3	184.5	102.2	66.5	51.6	43.8	40.2	38.0
67.5°	957.7	758.3	506.0	283.9	141.8	74.1	50.1	40.8	35.6	34.1	32.7
70°	796.1	604.7	355.2	165.3	72.4	41.3	31.7	28.6	27.3	27.0	26.6
72.5°	610.1	428.0	209.1	78.2	37.6	27.4	24.7	23.5	23.2	23.2	23.3
75°	374.0	240.5	92.5	38.2	26.3	23.2	21.9	21.4	21.2	21.4	21.2
77.5°	124.8	76.5	39.5	28.9	24.0	21.4	20.6	20.1	20.1	20.1	20.1
80°	38.2	33.3	30.2	26.8	22.7	20.3	19.0	18.8	19.0	19.3	18.6
82.5°	28.7	27.3	25.5	23.7	20.6	18.1	17.7	17.7	17.7	17.0	16.2
85°	21.2	20.9	17.3	16.2	15.2	15.2	15.2	15.2	14.5	13.4	12.6
87.5°	3.9	3.6	3.9	4.1	6.0	6.5	6.5	6.9	7.5	7.2	7.2
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: P181422

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

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	215.4	215.4	215.4	215.4	215.4
2.5°	216.3	216.0	216.7	216.3	216.5
5°	218.2	218.0	218.4	218.0	218.6
7.5°	217.6	217.1	216.9	217.1	217.3
10°	213.0	212.6	212.4	212.2	212.4
12.5°	209.1	208.3	208.3	207.8	208.1
15°	206.3	205.7	205.5	205.0	205.2
17.5°	205.0	203.9	203.5	203.1	203.1
20°	204.2	202.9	202.2	201.8	201.6
22.5°	204.2	202.2	201.4	200.9	200.7
25°	205.0	202.6	201.4	200.7	200.5
27.5°	206.8	203.7	202.2	201.4	201.4
30°	209.8	205.9	203.7	202.6	202.4
32.5°	212.8	207.6	204.6	203.3	202.9
35°	214.3	207.6	203.9	201.8	201.4
37.5°	212.6	204.8	200.3	197.0	196.4
40°	207.2	199.0	194.0	191.0	190.5
42.5°	200.1	192.1	186.2	184.1	183.4
45°	190.3	180.8	175.0	172.0	172.2
47.5°	173.7	164.0	158.8	156.0	156.4
50°	154.0	144.6	140.0	136.9	137.6
52.5°	132.5	123.8	119.4	118.0	117.5
55°	109.8	103.1	100.0	98.3	97.7
57.5°	89.0	84.3	82.1	79.9	80.2
60°	70.2	67.8	67.2	64.8	64.6
62.5°	55.3	53.8	53.1	51.4	51.6
65°	42.0	41.5	42.0	40.8	41.3
66°	37.8	38.0	38.0	37.4	37.8
67.5°	32.7	33.0	33.7	33.0	33.5
70°	27.0	27.4	27.9	27.9	27.9
72.5°	23.5	24.0	24.2	24.2	24.2
75°	21.6	21.9	22.0	21.6	21.6
77.5°	20.3	20.3	19.9	19.6	19.4
80°	18.3	18.1	17.5	17.0	17.0
82.5°	15.3	14.9	14.5	13.9	13.9
85°	11.6	11.3	10.8	10.0	9.5
87.5°	6.0	6.2	6.0	4.9	4.3
90°	0.0	0.0	0.0	0.0	0.0

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