

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: P181418

Luminaire Tested: **ICM-E01-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181418
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-E01-LED-E1-T3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2620.2 lumens
Efficiency: N/A
Efficacy: 106.1 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): 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

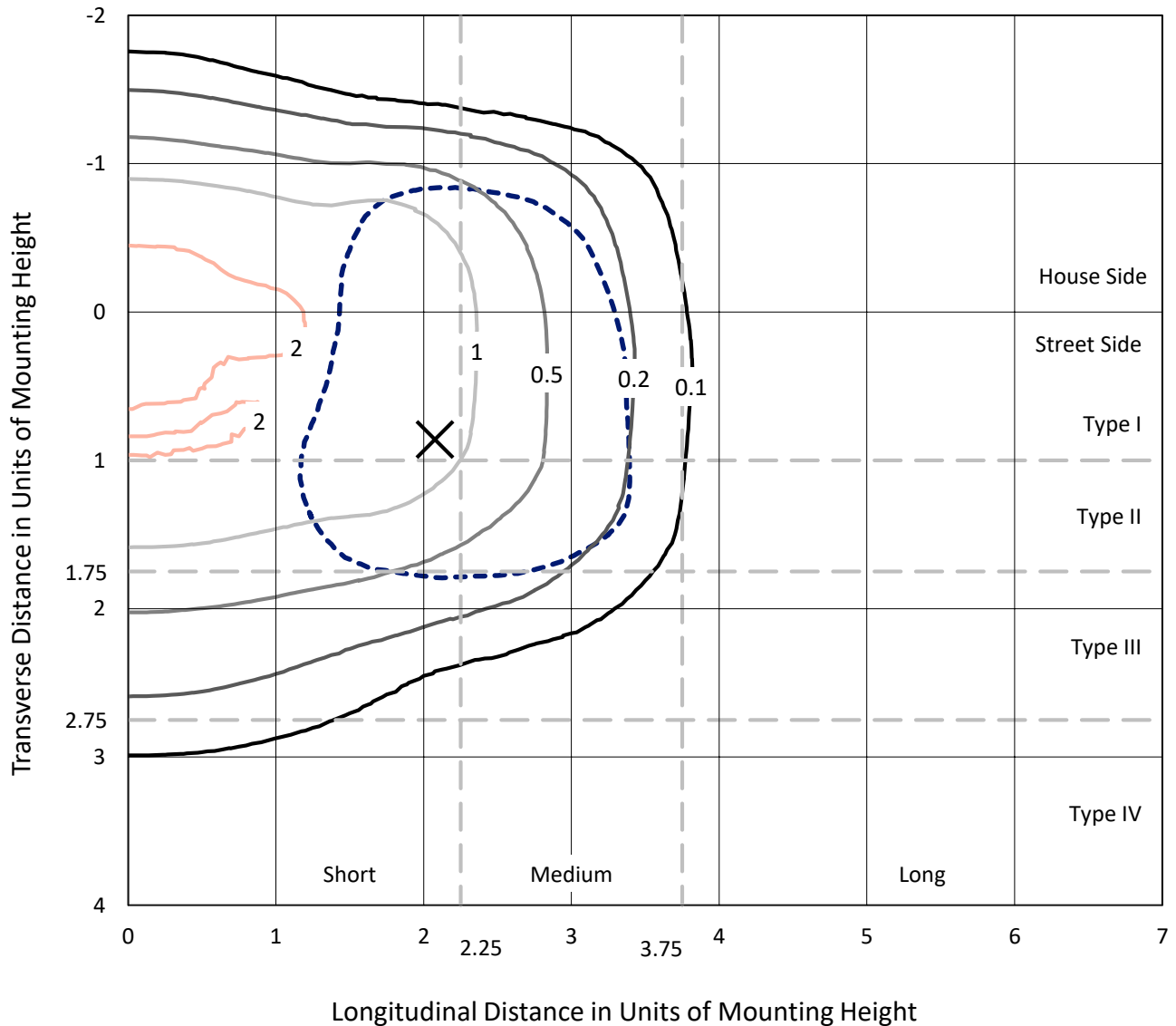


REPORT NUMBER: P181418

CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

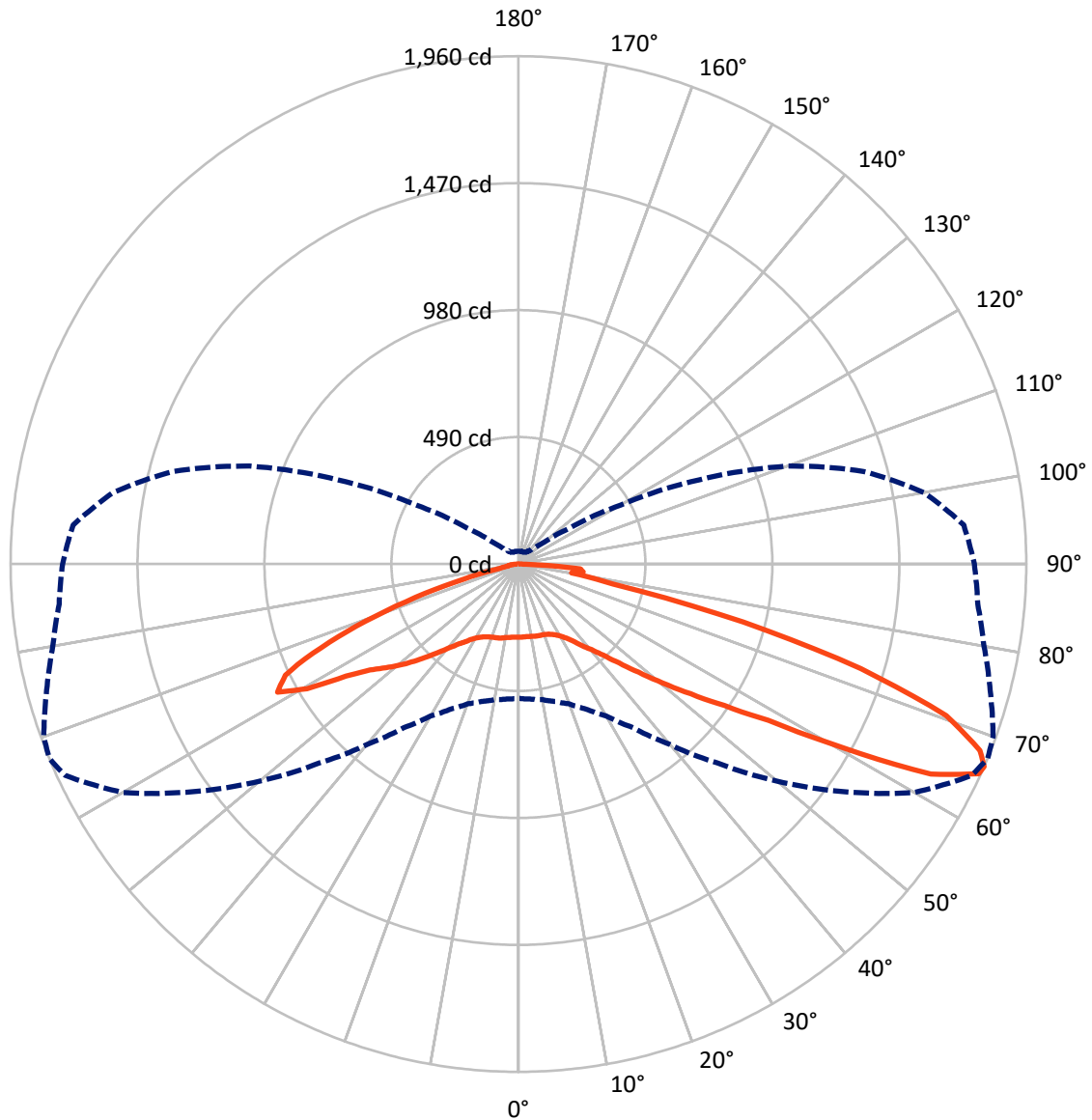


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P181418

CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P181418

CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.8	0.0	904.8
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1715.4	0.0	1715.4
	% Fixture	65.5	0.0	65.5
Total	Lumens	2620.2	0.0	2620.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	1.0
10°-20°	79.8	3.0
20°-30°	137.2	5.2
30°-40°	222.7	8.5
40°-50°	371.9	14.2
50°-60°	585.5	22.3
60°-70°	798.4	30.5
70°-80°	345.6	13.2
80°-90°	52.0	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°	2620.2	100.0
0°-180°	2620.2	100.0

Coefficient of Utilization



REPORT NUMBER: P181418

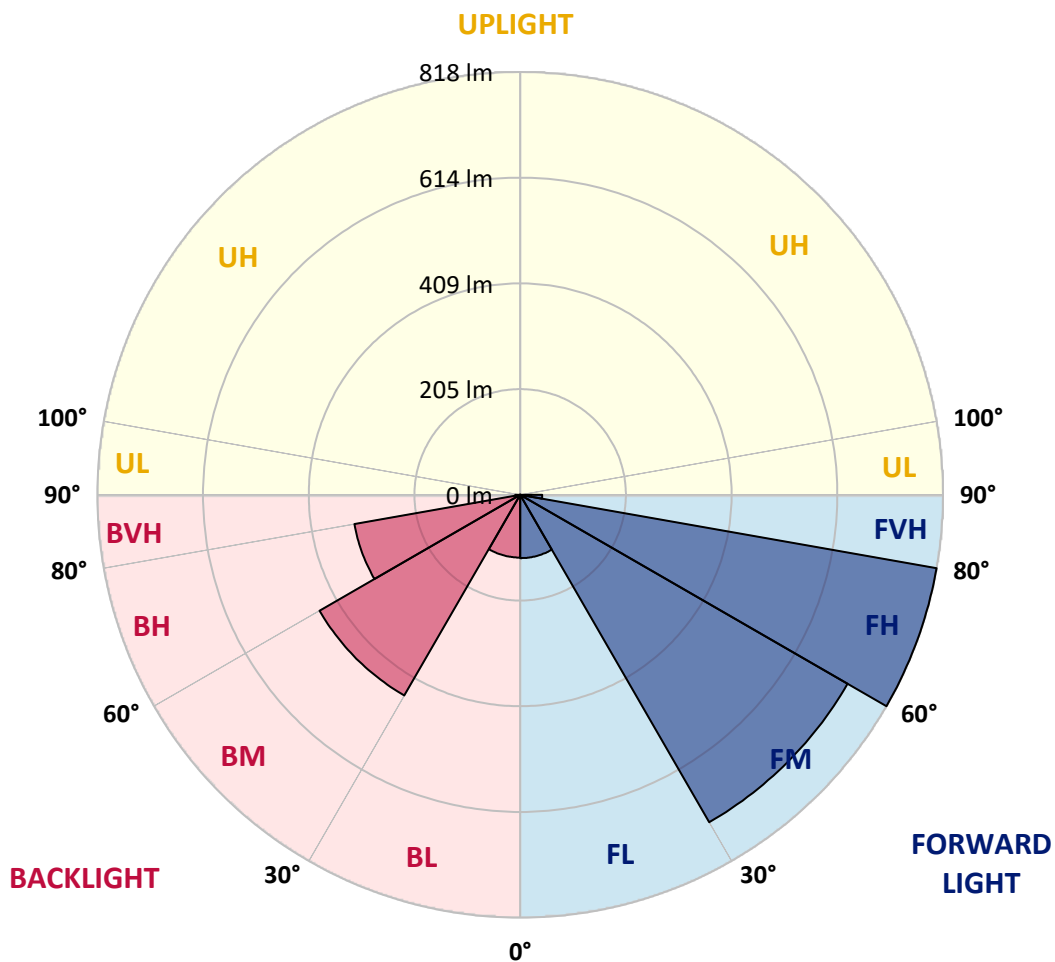
CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.6	4.7			
FM	(30°-60°)	731.7	27.9			
FH	(60°-80°)	818.4	31.2			G1/1800
FVH	(80°-90°)	42.7	1.6			G1/100
BL	(0°-30°)	121.5	4.6	B1/500		
BM	(30°-60°)	448.4	17.1	B1/1000		
BH	(60°-80°)	325.7	12.4	B1/500		G1/500
BVH	(80°-90°)	9.3	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: P181418

CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3
2.5°	283.5	284.7	283.5	283.8	284.1	283.8	283.5	283.5	282.6	283.3	283.8
5°	282.3	283.3	282.9	283.3	283.5	283.3	282.9	283.3	282.6	282.9	283.8
7.5°	280.9	280.7	280.9	281.5	282.0	282.0	282.0	282.3	282.0	282.0	282.9
10°	276.7	277.0	277.6	278.4	278.7	279.5	279.5	280.4	280.7	281.2	282.3
12.5°	271.4	271.6	272.2	272.7	274.1	275.5	275.5	277.6	278.4	279.8	281.8
15°	267.4	267.6	268.2	268.7	269.9	271.4	272.2	274.4	275.8	278.4	281.2
17.5°	269.6	269.3	269.9	270.1	270.1	271.4	271.4	273.0	274.7	277.0	280.7
20°	276.1	276.1	276.7	276.7	276.4	277.0	275.8	275.8	276.1	277.3	279.8
22.5°	282.6	282.3	283.5	284.1	284.4	285.2	284.1	283.8	282.3	281.5	282.3
25°	288.8	288.6	290.0	290.9	292.3	293.1	293.1	293.1	292.0	290.6	289.8
27.5°	298.5	298.5	299.9	300.7	301.9	303.6	304.5	304.5	304.7	302.8	301.3
30°	314.6	314.9	315.3	316.4	317.5	318.0	319.2	320.0	320.8	319.7	317.5
32.5°	333.9	332.2	332.2	333.9	335.4	337.0	337.6	338.7	340.4	339.5	339.3
35°	356.8	356.3	355.7	356.3	358.0	360.0	362.2	364.2	363.1	364.7	363.9
37.5°	390.8	391.4	391.7	391.7	391.4	392.0	393.1	395.1	394.5	395.1	396.2
40°	446.9	444.9	443.0	443.3	440.4	440.9	436.5	438.4	438.7	436.7	437.6
42.5°	503.0	504.1	504.9	507.3	505.2	504.1	499.9	499.9	497.6	495.6	495.1
45°	563.6	565.9	566.1	570.7	568.9	572.7	575.7	574.9	571.3	571.0	567.0
47.5°	612.0	615.7	619.6	625.0	629.3	637.5	647.2	651.9	654.8	657.0	652.6
50°	648.3	650.0	660.2	668.7	678.1	691.6	704.9	722.1	736.1	742.6	748.8
52.5°	667.8	672.1	683.1	696.4	712.8	733.2	754.8	782.2	806.1	821.9	836.0
55°	672.1	676.3	688.7	705.8	728.1	755.6	786.5	823.8	859.5	890.1	919.9
57.5°	660.2	664.9	678.3	697.9	724.2	757.6	796.4	845.4	894.7	944.2	988.1
60°	638.3	644.3	656.5	675.7	704.9	742.6	789.0	850.5	919.5	995.4	1079.6
62.5°	602.4	608.7	619.9	641.2	671.2	712.8	766.6	843.1	940.8	1060.4	1209.6
65°	544.7	547.4	561.3	582.9	609.5	655.4	714.5	806.9	934.1	1100.3	1305.9
66°	518.5	523.4	531.9	549.1	574.6	617.7	677.1	770.9	908.3	1086.4	1303.4
67.5°	477.8	481.5	487.2	498.7	514.3	546.0	602.4	691.1	829.5	1016.2	1249.2
70°	386.3	388.0	395.6	399.6	405.0	415.4	435.8	486.8	594.7	770.1	1008.2
72.5°	263.4	268.2	276.4	287.7	302.5	316.7	326.2	332.7	356.0	459.4	671.8
75°	193.1	198.2	208.7	223.7	249.5	279.0	309.6	323.7	314.0	300.7	374.1
77.5°	112.2	119.0	127.7	142.1	166.0	205.0	257.4	303.9	335.4	337.3	320.3
80°	47.3	48.2	53.5	60.9	75.6	103.1	143.9	210.7	280.4	327.4	338.4
82.5°	10.8	13.3	17.0	20.1	24.7	34.0	50.4	83.8	151.5	237.6	309.9
85°	4.0	4.0	5.4	7.9	9.0	10.2	13.3	21.2	36.3	66.9	139.3
87.5°	0.0	0.3	0.6	0.6	1.1	1.4	2.2	3.1	2.8	2.5	8.5
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: P181418

CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3
2.5°	283.3	282.9	282.3	282.3	282.3	282.3	281.8	282.0	281.5	281.8	281.8
5°	282.9	282.9	282.6	282.0	282.3	282.3	282.6	282.0	282.0	282.3	282.0
7.5°	282.9	282.6	282.6	282.6	282.9	282.6	282.9	282.9	282.9	283.3	283.3
10°	282.9	282.9	283.5	283.8	283.8	284.1	284.9	284.9	285.2	285.5	286.0
12.5°	283.3	284.4	285.2	286.0	286.3	286.9	288.3	288.3	288.8	289.8	290.0
15°	283.5	285.2	286.9	287.4	288.0	289.1	290.6	291.2	292.0	292.8	293.4
17.5°	283.3	285.5	287.4	288.3	289.1	290.6	292.3	292.8	294.0	295.1	296.3
20°	282.9	286.0	289.1	290.3	291.4	293.4	295.6	297.1	298.2	299.9	301.0
22.5°	284.7	288.3	292.6	294.2	296.3	298.8	301.9	303.6	305.0	306.7	307.5
25°	290.0	292.8	298.0	300.7	303.4	307.5	311.8	313.8	315.5	316.9	317.2
27.5°	299.1	299.9	306.1	309.9	313.5	320.3	325.4	326.8	330.0	331.1	330.8
30°	313.8	312.4	317.5	323.2	328.6	337.9	344.1	347.8	350.6	350.6	348.4
32.5°	335.1	332.7	334.2	340.7	347.0	360.6	367.9	372.7	374.7	374.1	369.3
35°	362.8	361.4	360.6	365.6	375.5	391.4	401.0	403.5	406.7	406.1	399.9
37.5°	395.6	394.5	394.5	400.5	410.0	433.6	444.1	445.8	445.5	440.9	429.3
40°	434.4	433.9	431.4	434.7	443.0	473.5	487.7	490.0	486.8	479.4	465.9
42.5°	490.2	486.8	478.9	480.9	487.2	516.8	535.3	541.5	538.4	531.0	508.9
45°	563.0	559.4	546.0	544.4	547.7	573.8	597.6	599.0	598.4	589.1	563.0
47.5°	648.6	642.9	628.7	624.2	623.1	647.2	670.1	672.4	670.9	657.0	622.2
50°	741.1	732.9	723.6	720.5	715.9	733.2	756.5	756.7	751.1	731.8	699.3
52.5°	840.0	837.2	835.4	832.4	830.3	845.4	859.5	851.1	842.5	822.4	794.1
55°	939.7	951.3	963.2	964.4	967.7	983.9	983.6	960.4	954.1	943.1	915.1
57.5°	1045.6	1088.7	1126.1	1137.7	1149.0	1179.0	1176.2	1153.2	1145.3	1131.7	1108.5
60°	1189.8	1305.9	1413.8	1439.5	1457.4	1493.4	1490.0	1454.6	1471.0	1469.9	1439.8
62.5°	1391.7	1584.8	1746.5	1786.2	1798.7	1802.6	1781.1	1742.9	1759.0	1777.1	1684.8
65°	1528.5	1755.6	1921.6	1952.2	1953.9	1906.6	1858.7	1813.7	1809.7	1794.2	1662.1
66°	1531.6	1764.1	1930.6	1960.4	1949.9	1885.3	1824.8	1779.5	1759.9	1725.6	1588.8
67.5°	1476.7	1711.2	1890.4	1921.9	1898.9	1807.5	1723.9	1665.6	1627.4	1571.8	1451.2
70°	1240.2	1472.7	1693.6	1752.2	1759.5	1623.1	1507.3	1438.7	1387.2	1311.0	1207.1
72.5°	922.1	1132.3	1327.2	1383.2	1411.8	1302.8	1205.0	1152.9	1082.4	1002.2	928.4
75°	578.1	726.4	857.0	896.4	869.5	785.0	726.4	704.7	635.3	587.4	553.7
77.5°	330.5	376.9	387.4	372.5	340.7	260.8	185.5	137.4	119.3	132.0	145.6
80°	322.6	295.6	235.6	207.4	187.8	129.1	75.9	52.1	43.3	44.5	48.2
82.5°	349.5	375.0	308.7	251.8	211.3	142.7	78.7	42.0	28.3	33.4	37.7
85°	227.2	316.1	284.7	239.9	194.3	122.0	64.8	21.8	14.4	19.0	26.0
87.5°	23.0	25.2	21.5	29.2	21.8	10.2	5.1	3.1	2.8	3.4	5.1
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: P181418

CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3
2.5°	282.0	282.0	282.3	282.6	282.9	283.3	283.3	283.3	283.3	283.8	283.5
5°	282.6	283.3	283.8	284.1	284.7	284.7	285.5	285.2	285.2	286.0	286.3
7.5°	283.8	284.7	285.8	285.5	286.6	286.3	286.9	286.9	286.0	286.3	285.8
10°	286.3	287.4	288.0	287.2	287.4	286.3	286.0	284.7	282.9	282.0	280.9
12.5°	290.6	291.7	291.7	290.3	288.6	286.0	284.1	280.9	278.4	277.0	275.5
15°	294.2	295.4	295.1	292.8	290.3	286.3	283.5	279.8	276.1	273.9	272.5
17.5°	297.1	297.7	296.8	293.7	290.9	287.2	284.4	280.4	276.1	273.3	270.8
20°	301.3	300.7	298.8	294.8	291.7	288.3	286.0	282.6	277.9	274.1	270.4
22.5°	307.5	305.3	301.6	297.4	294.2	291.2	288.8	285.2	280.4	275.8	271.6
25°	315.8	311.3	306.1	301.6	298.8	295.4	292.8	288.8	283.8	278.7	273.6
27.5°	327.6	319.7	313.2	309.3	306.1	301.9	298.8	293.7	288.3	282.3	276.7
30°	341.0	330.2	324.0	320.8	317.5	312.9	308.1	301.6	295.4	288.8	282.0
32.5°	358.2	345.2	339.3	336.2	331.6	326.0	320.3	312.9	304.2	295.6	287.4
35°	380.9	367.6	361.4	356.6	350.3	343.0	334.8	324.8	312.9	301.6	291.2
37.5°	405.3	390.8	384.8	379.8	370.4	360.8	349.2	334.8	318.6	303.6	290.6
40°	436.2	422.8	415.2	406.4	395.4	378.6	360.6	339.5	318.9	300.5	285.2
42.5°	475.3	462.0	450.6	436.7	417.5	391.7	365.9	338.7	313.8	292.8	276.4
45°	527.1	510.9	491.4	467.0	435.8	399.9	366.2	333.3	304.2	280.9	263.4
47.5°	590.5	565.9	533.9	492.7	448.0	402.1	361.7	322.6	289.1	263.9	244.4
50°	665.9	627.1	574.3	514.0	454.2	398.8	350.3	306.4	267.9	241.0	217.8
52.5°	751.9	688.5	610.9	529.3	454.0	387.4	331.1	282.0	240.2	210.1	188.1
55°	853.0	758.7	648.6	540.7	446.0	366.5	301.6	247.8	205.9	178.1	157.8
57.5°	1001.1	872.6	714.2	558.2	430.2	334.2	261.7	206.7	170.0	143.6	126.3
60°	1271.9	1062.6	832.7	593.6	405.9	286.9	215.0	162.9	132.0	110.7	99.2
62.5°	1475.8	1209.6	896.7	585.7	356.8	228.6	159.4	118.7	97.1	82.7	75.3
65°	1446.6	1164.0	828.4	504.4	279.8	161.1	106.0	80.7	66.9	60.0	55.8
66°	1380.7	1104.6	769.2	454.0	241.9	134.0	87.3	67.7	57.5	52.7	49.9
67.5°	1255.4	994.1	663.3	372.1	185.8	97.1	65.7	53.5	46.7	44.7	42.8
70°	1043.6	792.7	465.6	216.7	94.9	54.0	41.7	37.4	35.7	35.4	34.8
72.5°	799.8	561.0	274.1	102.5	49.3	36.0	32.3	30.9	30.3	30.3	30.6
75°	490.2	315.3	121.2	50.1	34.5	30.3	28.6	28.0	27.7	28.0	27.7
77.5°	163.7	100.3	51.8	38.0	31.4	28.0	26.9	26.3	26.3	26.3	26.3
80°	50.1	43.6	39.6	35.2	29.8	26.6	24.9	24.7	24.9	25.2	24.4
82.5°	37.7	35.7	33.4	31.2	26.9	23.8	23.3	23.3	23.3	22.4	21.2
85°	27.7	27.4	22.7	21.2	19.8	19.8	19.8	19.8	19.0	17.6	16.5
87.5°	5.1	4.8	5.1	5.4	7.9	8.5	8.5	9.0	10.0	9.3	9.3
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: P181418

CATALOG NUMBER: ICM-E01-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	282.3	282.3	282.3	282.3	282.3
2.5°	283.5	283.3	284.1	283.5	283.8
5°	286.0	285.8	286.3	285.8	286.6
7.5°	285.2	284.7	284.4	284.7	284.9
10°	279.3	278.7	278.4	278.1	278.4
12.5°	274.1	273.0	273.0	272.5	272.7
15°	270.4	269.6	269.3	268.7	269.0
17.5°	268.7	267.4	266.8	266.2	266.2
20°	267.6	266.0	265.1	264.6	264.3
22.5°	267.6	265.1	263.9	263.4	263.1
25°	268.7	265.7	263.9	263.1	262.8
27.5°	271.1	267.1	265.1	263.9	263.9
30°	275.0	269.9	267.1	265.7	265.4
32.5°	279.0	272.2	268.2	266.5	266.0
35°	280.9	272.2	267.4	264.6	263.9
37.5°	278.7	268.5	262.5	258.3	257.4
40°	271.6	260.8	254.3	250.3	249.8
42.5°	262.2	251.8	244.1	241.3	240.5
45°	249.5	237.0	229.4	225.4	225.7
47.5°	227.7	215.0	208.2	204.5	205.0
50°	202.0	189.5	183.5	179.5	180.4
52.5°	173.6	162.2	156.7	154.6	154.0
55°	143.9	135.1	131.2	128.8	128.0
57.5°	116.7	110.4	107.6	104.7	105.1
60°	92.0	88.9	88.1	84.9	84.7
62.5°	72.5	70.5	69.7	67.4	67.7
65°	55.0	54.4	55.0	53.5	54.0
66°	49.6	49.9	49.9	49.0	49.6
67.5°	42.8	43.3	44.2	43.3	43.9
70°	35.4	36.0	36.6	36.6	36.6
72.5°	30.9	31.4	31.7	31.7	31.7
75°	28.3	28.6	28.9	28.3	28.3
77.5°	26.6	26.6	26.0	25.8	25.5
80°	24.1	23.8	23.0	22.4	22.4
82.5°	20.1	19.5	19.0	18.1	18.1
85°	15.3	14.7	14.1	13.0	12.5
87.5°	7.9	8.2	7.9	6.5	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)