

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: P181572

Luminaire Tested: **ICM-F06-LED-E1-T4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181572
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-T4-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7521 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

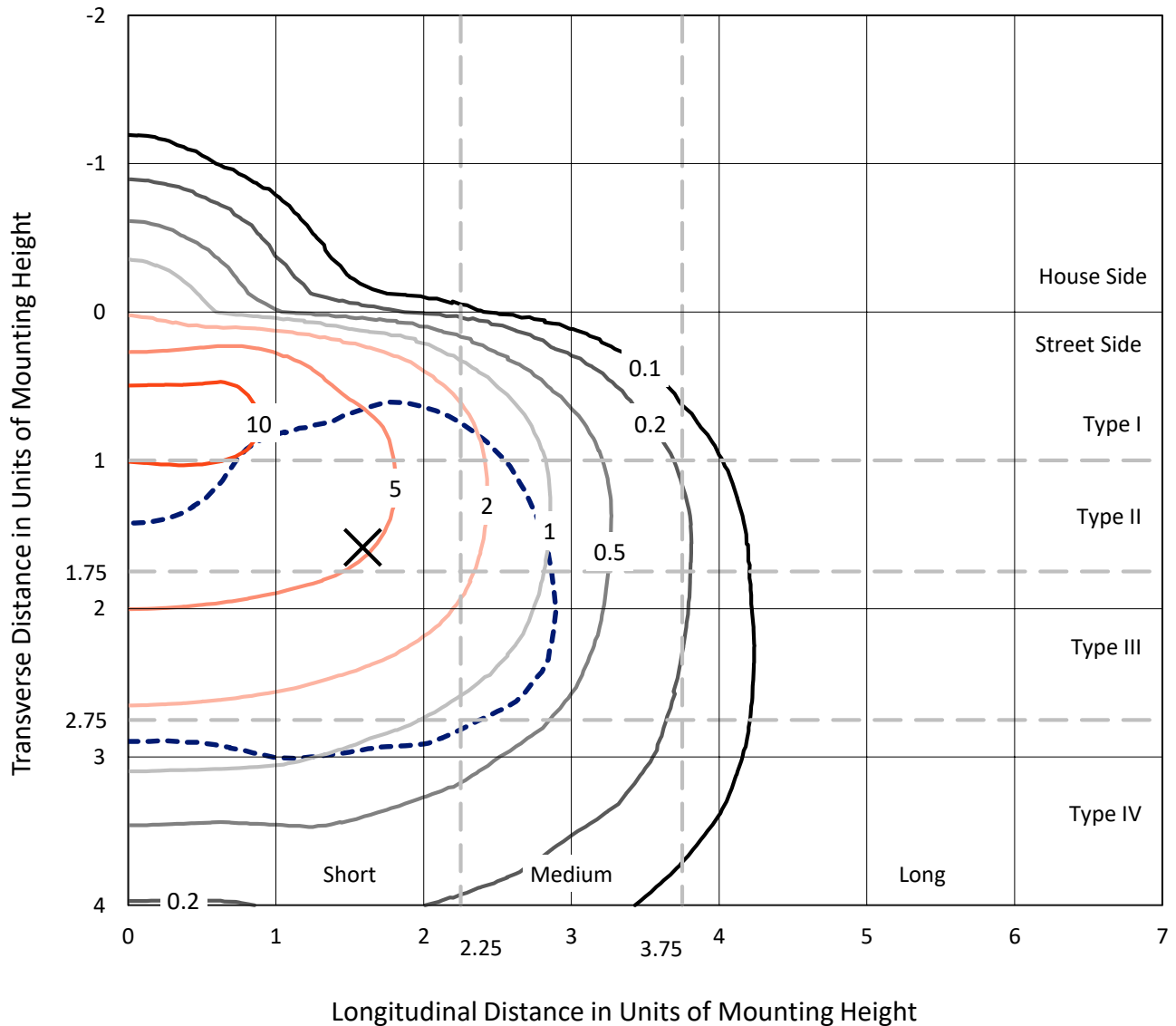
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181572
 CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

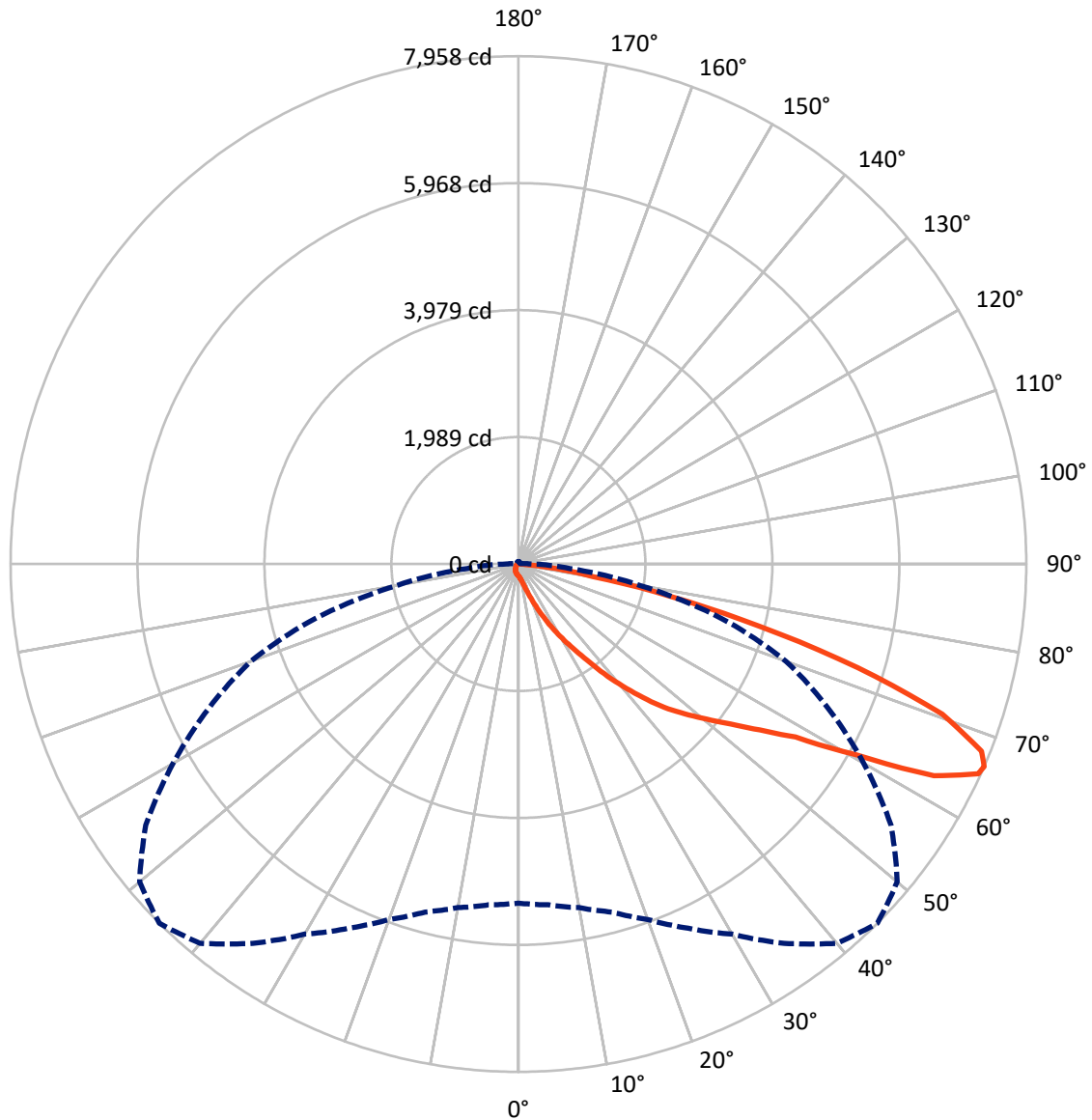
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P181572
CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P181572

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

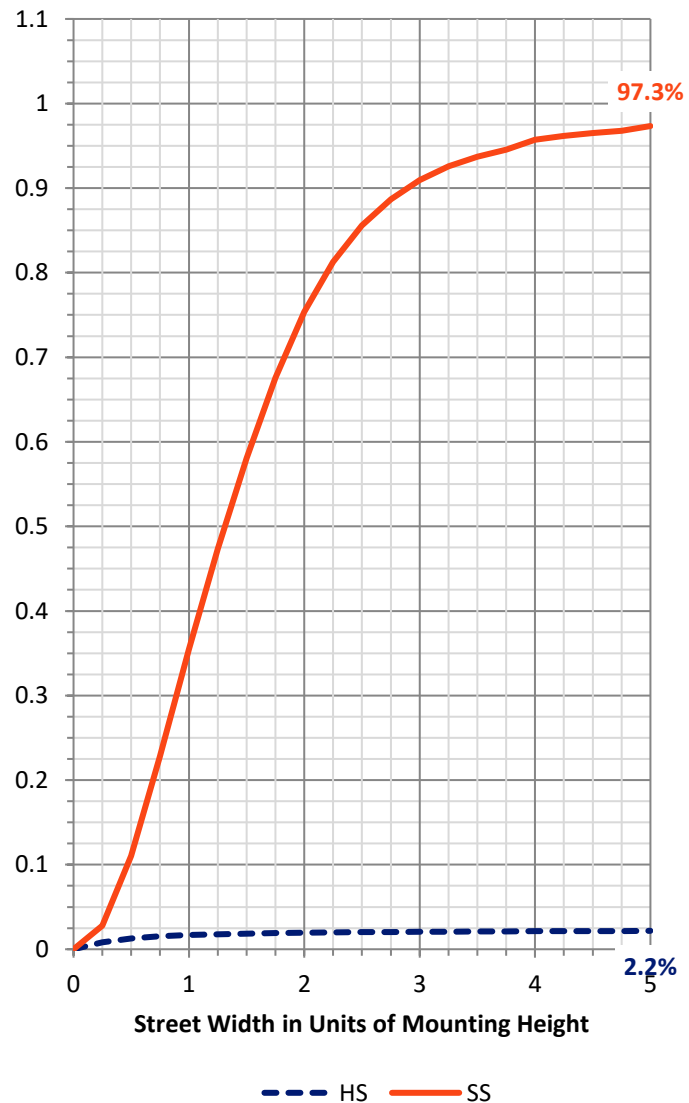
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	170.5	0.0	170.5
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	7350.6	0.0	7350.6
	% Fixture	97.7	0.0	97.7
Total	Lumens	7521.0	0.0	7521.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.3
10°-20°	76.7	1.0
20°-30°	224.7	3.0
30°-40°	524.9	7.0
40°-50°	985.9	13.1
50°-60°	1633.8	21.7
60°-70°	2593.7	34.5
70°-80°	1341.3	17.8
80°-90°	121.1	1.6
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°	7521.0	100.0
0°-180°	7521.0	100.0



REPORT NUMBER: P181572

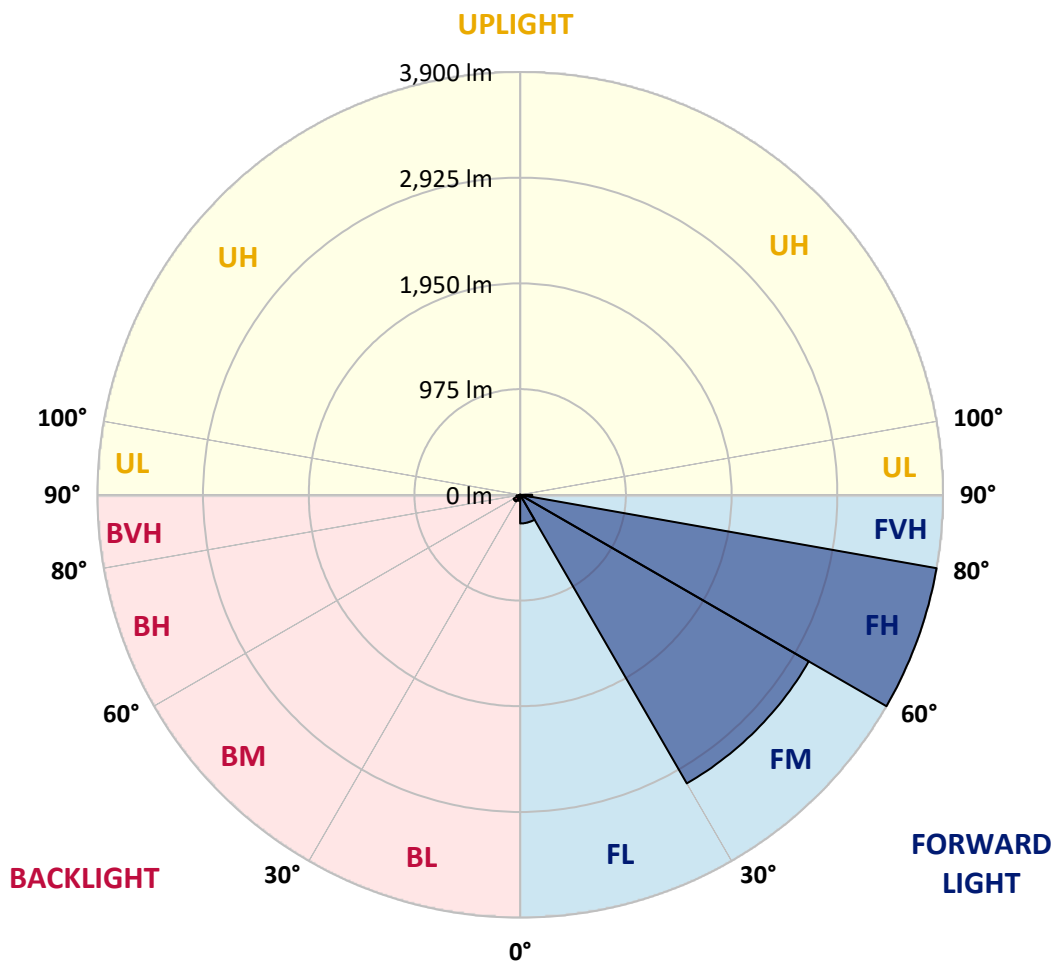
CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.6	3.5			
FM	(30°-60°)	3073.9	40.9			
FH	(60°-80°)	3900.5	51.9			G2/5000
FVH	(80°-90°)	111.6	1.5			G2/225
BL	(0°-30°)	55.7	0.7	B0/110		
BM	(30°-60°)	70.7	0.9	B0/220		
BH	(60°-80°)	34.5	0.5	B0/110		G0/110
BVH	(80°-90°)	9.6	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-G2

Type IV Short





REPORT NUMBER: P181572
 CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0
2.5°	203.5	203.5	203.5	203.5	202.2	200.9	199.6	198.3	197.0	197.0	195.7
5°	230.7	232.0	230.7	229.4	226.9	225.6	221.7	219.1	215.2	213.9	210.0
7.5°	268.3	267.1	268.3	264.5	259.3	258.0	252.7	246.3	241.1	233.3	228.2
10°	322.8	321.5	322.8	315.0	307.3	300.7	291.6	283.9	272.2	263.2	252.7
12.5°	409.6	409.6	407.0	396.7	386.3	372.0	357.8	340.9	320.2	302.0	285.2
15°	543.2	536.7	525.0	518.5	500.4	478.3	462.8	429.0	399.3	370.7	337.0
17.5°	703.9	690.9	681.9	667.5	644.3	615.7	589.8	540.6	510.7	464.1	416.1
20°	887.9	872.4	869.8	847.7	823.2	792.0	754.4	696.1	645.5	587.2	519.8
22.5°	1075.9	1078.5	1068.1	1052.6	1027.9	991.6	933.3	880.2	818.0	744.1	657.2
25°	1285.9	1284.6	1275.5	1257.4	1239.3	1193.9	1147.2	1096.7	1022.7	928.1	824.4
27.5°	1482.9	1481.6	1459.5	1460.8	1425.9	1409.0	1363.6	1309.2	1219.8	1140.8	1027.9
30°	1689.0	1676.1	1661.8	1651.5	1626.8	1597.0	1573.7	1508.8	1441.4	1348.1	1256.1
32.5°	1897.7	1883.5	1887.4	1874.4	1855.0	1825.1	1790.2	1737.0	1664.4	1573.7	1488.1
35°	2153.1	2146.6	2136.2	2140.1	2136.2	2114.2	2084.4	2014.4	1935.4	1848.5	1760.3
37.5°	2342.3	2335.8	2342.3	2369.6	2376.0	2390.3	2368.3	2333.2	2276.2	2181.6	2089.6
40°	2517.3	2518.6	2548.5	2582.2	2605.5	2652.1	2659.9	2645.7	2600.3	2513.4	2392.9
42.5°	2674.2	2693.6	2720.9	2776.6	2827.2	2893.2	2942.5	2950.3	2916.6	2859.6	2737.7
45°	2849.1	2866.1	2908.8	2974.9	3044.9	3126.6	3205.7	3247.1	3244.6	3204.4	3073.4
47.5°	3044.9	3067.0	3113.6	3168.0	3261.4	3353.4	3455.8	3529.7	3560.9	3505.0	3378.1
50°	3282.2	3291.2	3331.4	3401.4	3486.9	3593.2	3704.7	3812.3	3873.2	3821.4	3690.4
52.5°	3563.5	3566.0	3603.6	3668.4	3737.1	3853.8	3962.6	4111.7	4190.8	4162.3	4005.4
55°	3949.7	3941.9	3967.8	4023.6	4079.4	4192.1	4301.0	4469.5	4584.9	4587.5	4420.2
57.5°	4477.2	4459.1	4476.0	4520.0	4582.3	4687.3	4824.7	4973.7	5128.0	5117.6	4980.2
60°	5212.2	5205.8	5236.9	5310.8	5417.1	5526.0	5681.5	5882.5	6018.5	6065.2	5921.3
62.5°	5701.0	5719.1	5790.4	5904.5	6109.2	6334.8	6623.9	6931.1	7190.4	7307.0	7108.7
65°	5490.9	5520.8	5632.2	5800.8	6071.7	6410.0	6793.7	7297.9	7745.2	7922.7	7716.6
66°	5313.3	5361.3	5466.4	5645.2	5927.8	6297.2	6697.8	7255.2	7758.1	7957.7	7747.8
67.5°	5006.2	5039.8	5159.1	5357.4	5660.8	6026.3	6459.3	7047.8	7615.5	7826.8	7618.1
70°	4380.0	4393.1	4490.3	4658.7	4893.4	5268.0	5660.8	6227.2	6749.6	7046.5	6818.4
72.5°	3260.1	3278.3	3439.0	3746.2	4050.8	4263.4	4495.5	4949.1	5286.2	5563.6	5519.5
75°	1568.5	1576.3	1683.8	2132.4	2726.1	2980.1	3195.3	3546.5	3674.9	3906.9	3871.9
77.5°	994.2	1011.1	1081.1	1190.0	1527.0	1829.0	1998.8	2199.7	2237.3	2433.0	2319.0
80°	273.5	317.6	387.5	570.3	978.7	1166.6	1243.1	1235.4	1243.1	1183.4	1144.6
82.5°	55.7	54.4	66.1	102.4	431.6	679.3	733.7	624.8	620.9	597.6	617.0
85°	14.2	12.9	15.5	32.4	73.9	200.9	252.7	141.3	107.6	102.4	90.7
87.5°	3.9	3.9	3.9	6.5	7.8	10.3	14.2	10.3	7.8	7.8	7.8
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: P181572

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0
2.5°	194.4	194.4	193.1	191.8	191.8	190.5	189.2	188.0	186.7	185.4	184.1
5°	206.1	203.5	199.6	197.0	194.4	190.5	188.0	185.4	182.8	181.5	178.9
7.5°	221.7	215.2	210.0	202.2	197.0	191.8	186.7	182.8	178.9	176.3	173.7
10°	241.1	230.7	220.4	210.0	200.9	193.1	185.4	178.9	175.0	171.1	168.6
12.5°	265.8	250.1	235.9	220.4	206.1	194.4	184.1	176.3	171.1	167.3	163.3
15°	306.0	281.3	256.7	233.3	215.2	197.0	182.8	173.7	167.3	163.3	159.4
17.5°	369.4	325.4	286.5	254.0	224.3	200.9	182.8	171.1	163.3	158.1	154.2
20°	461.5	388.8	326.7	280.0	241.1	207.4	182.8	167.3	159.4	152.9	149.0
22.5°	570.3	479.6	394.0	316.3	260.6	216.5	182.8	163.3	154.2	149.0	143.9
25°	729.8	609.2	492.6	383.7	292.9	230.7	186.7	160.7	150.3	143.9	138.7
27.5°	916.5	771.3	626.1	473.1	342.2	251.4	191.8	158.1	146.5	138.7	133.5
30°	1129.0	968.3	790.7	592.4	407.0	278.7	200.9	156.8	141.3	133.5	127.1
32.5°	1359.8	1190.0	995.5	745.3	503.0	320.2	212.6	155.5	136.1	127.1	119.3
35°	1634.6	1476.5	1239.3	960.6	652.0	391.4	238.5	158.1	130.9	120.6	111.4
37.5°	1935.4	1766.8	1515.4	1188.7	799.8	471.8	258.0	154.2	121.9	111.4	102.4
40°	2238.6	2045.5	1790.2	1428.5	987.7	570.3	282.6	150.3	112.7	102.4	93.3
42.5°	2534.2	2330.7	2053.3	1674.8	1186.1	687.0	313.7	150.3	106.3	93.3	84.3
45°	2844.0	2599.0	2295.6	1910.7	1383.1	820.6	357.8	149.0	98.5	85.6	75.2
47.5°	3136.9	2846.6	2497.9	2118.1	1594.4	967.0	408.3	150.3	92.0	77.8	68.7
50°	3414.3	3081.2	2705.3	2303.5	1796.7	1125.1	470.5	151.6	85.6	71.3	62.2
52.5°	3717.7	3348.2	2928.3	2494.0	1996.2	1284.6	543.2	154.2	79.1	64.8	57.0
55°	4093.6	3683.9	3203.1	2727.4	2207.5	1445.3	613.1	156.8	72.6	59.6	51.8
57.5°	4635.5	4168.8	3649.0	3077.3	2487.6	1628.1	685.7	163.3	67.4	55.7	48.0
60°	5516.9	4960.8	4360.6	3686.5	2906.3	1875.7	790.7	177.6	60.9	50.5	45.4
62.5°	6577.2	5908.3	5144.9	4326.9	3300.3	2042.9	860.7	193.1	55.7	46.7	42.8
65°	7111.3	6268.7	5388.6	4505.8	3350.8	1993.7	832.2	188.0	49.3	41.5	36.3
66°	7126.8	6249.2	5354.8	4466.9	3299.0	1934.1	804.9	185.4	48.0	40.2	33.7
67.5°	6979.0	6082.1	5175.9	4290.6	3146.1	1818.6	755.7	176.3	44.1	36.3	29.8
70°	6249.2	5375.6	4544.7	3726.7	2706.6	1532.2	633.9	155.5	38.9	32.4	27.3
72.5°	4981.5	4269.9	3569.9	2932.1	2103.8	1149.8	500.4	127.1	33.7	28.6	23.3
75°	3479.2	2894.5	2361.8	1906.8	1322.1	688.3	324.1	89.4	28.6	23.3	19.4
77.5°	1941.8	1539.9	1164.0	886.6	527.5	215.2	107.6	45.4	24.7	18.1	15.5
80°	987.7	732.4	557.4	410.9	243.7	111.4	54.4	29.8	19.4	14.2	12.9
82.5°	574.2	421.3	335.7	265.8	167.3	84.3	44.1	22.0	12.9	10.3	11.6
85°	128.4	169.8	143.9	121.9	89.4	53.1	31.1	14.2	9.1	9.1	10.3
87.5°	10.3	14.2	12.9	16.8	18.1	16.8	12.9	7.8	6.5	7.8	7.8
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: P181572

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0
2.5°	182.8	181.5	181.5	180.2	178.9	178.9	178.9	177.6	178.9	178.9	178.9
5°	177.6	176.3	175.0	173.7	172.4	171.1	171.1	169.8	169.8	169.8	171.1
7.5°	172.4	169.8	168.6	166.0	164.7	163.3	163.3	162.0	162.0	162.0	162.0
10°	166.0	163.3	160.7	159.4	158.1	155.5	155.5	154.2	152.9	152.9	152.9
12.5°	160.7	158.1	155.5	152.9	150.3	149.0	147.8	146.5	145.2	145.2	145.2
15°	155.5	151.6	149.0	146.5	143.9	141.3	140.0	138.7	137.4	136.1	136.1
17.5°	150.3	146.5	142.6	140.0	137.4	134.8	133.5	129.6	129.6	128.4	128.4
20°	143.9	140.0	136.1	133.5	130.9	128.4	125.8	123.2	120.6	119.3	119.3
22.5°	138.7	134.8	130.9	127.1	123.2	119.3	116.7	114.0	112.7	111.4	110.1
25°	133.5	128.4	123.2	119.3	115.3	111.4	108.9	106.3	103.7	102.4	102.4
27.5°	127.1	121.9	116.7	111.4	107.6	103.7	101.1	97.2	95.9	94.6	93.3
30°	120.6	114.0	108.9	103.7	99.8	94.6	92.0	89.4	86.9	86.9	85.6
32.5°	112.7	106.3	101.1	95.9	90.7	86.9	84.3	81.7	80.4	77.8	77.8
35°	105.0	98.5	92.0	86.9	83.0	79.1	76.5	73.9	71.3	70.0	70.0
37.5°	95.9	89.4	84.3	79.1	75.2	71.3	68.7	66.1	64.8	63.5	62.2
40°	85.6	79.1	75.2	71.3	67.4	64.8	60.9	58.3	57.0	55.7	54.4
42.5°	76.5	70.0	67.4	64.8	60.9	58.3	54.4	51.8	49.3	48.0	46.7
45°	68.7	63.5	60.9	58.3	54.4	50.5	48.0	45.4	42.8	41.5	41.5
47.5°	60.9	57.0	54.4	51.8	48.0	45.4	41.5	40.2	37.6	37.6	37.6
50°	55.7	51.8	49.3	46.7	44.1	40.2	37.6	36.3	35.0	35.0	36.3
52.5°	51.8	48.0	45.4	42.8	40.2	37.6	35.0	33.7	33.7	35.0	36.3
55°	48.0	44.1	41.5	38.9	36.3	35.0	32.4	32.4	33.7	35.0	36.3
57.5°	45.4	40.2	37.6	36.3	33.7	32.4	32.4	32.4	33.7	35.0	37.6
60°	41.5	36.3	33.7	33.7	31.1	31.1	31.1	32.4	33.7	36.3	37.6
62.5°	36.3	32.4	31.1	31.1	29.8	29.8	31.1	32.4	35.0	36.3	37.6
65°	31.1	28.6	28.6	28.6	28.6	29.8	31.1	32.4	33.7	36.3	37.6
66°	28.6	27.3	27.3	28.6	28.6	29.8	31.1	32.4	33.7	35.0	36.3
67.5°	27.3	26.0	26.0	27.3	28.6	28.6	29.8	32.4	33.7	35.0	35.0
70°	23.3	23.3	23.3	26.0	27.3	28.6	29.8	31.1	32.4	33.7	35.0
72.5°	20.7	20.7	22.0	23.3	26.0	27.3	28.6	29.8	32.4	33.7	33.7
75°	18.1	18.1	20.7	22.0	24.7	26.0	28.6	29.8	31.1	32.4	32.4
77.5°	15.5	16.8	19.4	22.0	23.3	26.0	27.3	28.6	29.8	31.1	31.1
80°	14.2	16.8	19.4	20.7	22.0	23.3	24.7	27.3	28.6	29.8	31.1
82.5°	14.2	15.5	18.1	19.4	20.7	23.3	24.7	26.0	27.3	28.6	29.8
85°	11.6	14.2	15.5	18.1	19.4	22.0	23.3	23.3	24.7	26.0	27.3
87.5°	9.1	10.3	10.3	12.9	14.2	16.8	19.4	19.4	20.7	22.0	23.3
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: P181572

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	188.0	188.0	188.0	188.0
2.5°	178.9	180.2	180.2	180.2
5°	171.1	171.1	171.1	171.1
7.5°	162.0	162.0	162.0	162.0
10°	152.9	152.9	154.2	152.9
12.5°	145.2	143.9	143.9	143.9
15°	136.1	136.1	134.8	136.1
17.5°	127.1	127.1	125.8	125.8
20°	118.0	118.0	118.0	118.0
22.5°	110.1	108.9	108.9	108.9
25°	101.1	101.1	101.1	101.1
27.5°	93.3	93.3	93.3	93.3
30°	85.6	85.6	84.3	84.3
32.5°	77.8	77.8	77.8	77.8
35°	70.0	70.0	68.7	68.7
37.5°	60.9	60.9	60.9	60.9
40°	53.1	53.1	53.1	53.1
42.5°	46.7	46.7	45.4	45.4
45°	40.2	40.2	40.2	40.2
47.5°	37.6	37.6	37.6	37.6
50°	36.3	37.6	37.6	37.6
52.5°	37.6	37.6	37.6	37.6
55°	37.6	38.9	38.9	38.9
57.5°	37.6	38.9	38.9	40.2
60°	38.9	40.2	40.2	40.2
62.5°	38.9	40.2	40.2	40.2
65°	37.6	38.9	38.9	38.9
66°	37.6	37.6	37.6	38.9
67.5°	36.3	37.6	37.6	37.6
70°	35.0	36.3	36.3	37.6
72.5°	35.0	36.3	36.3	36.3
75°	33.7	33.7	35.0	35.0
77.5°	32.4	32.4	33.7	33.7
80°	31.1	32.4	32.4	32.4
82.5°	29.8	31.1	31.1	31.1
85°	27.3	28.6	28.6	28.6
87.5°	23.3	23.3	24.7	24.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)