

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: P180603

Luminaire Tested: **ICM-F05-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180603
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-F05-LED-E1-SL3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6657.3 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 133.3
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

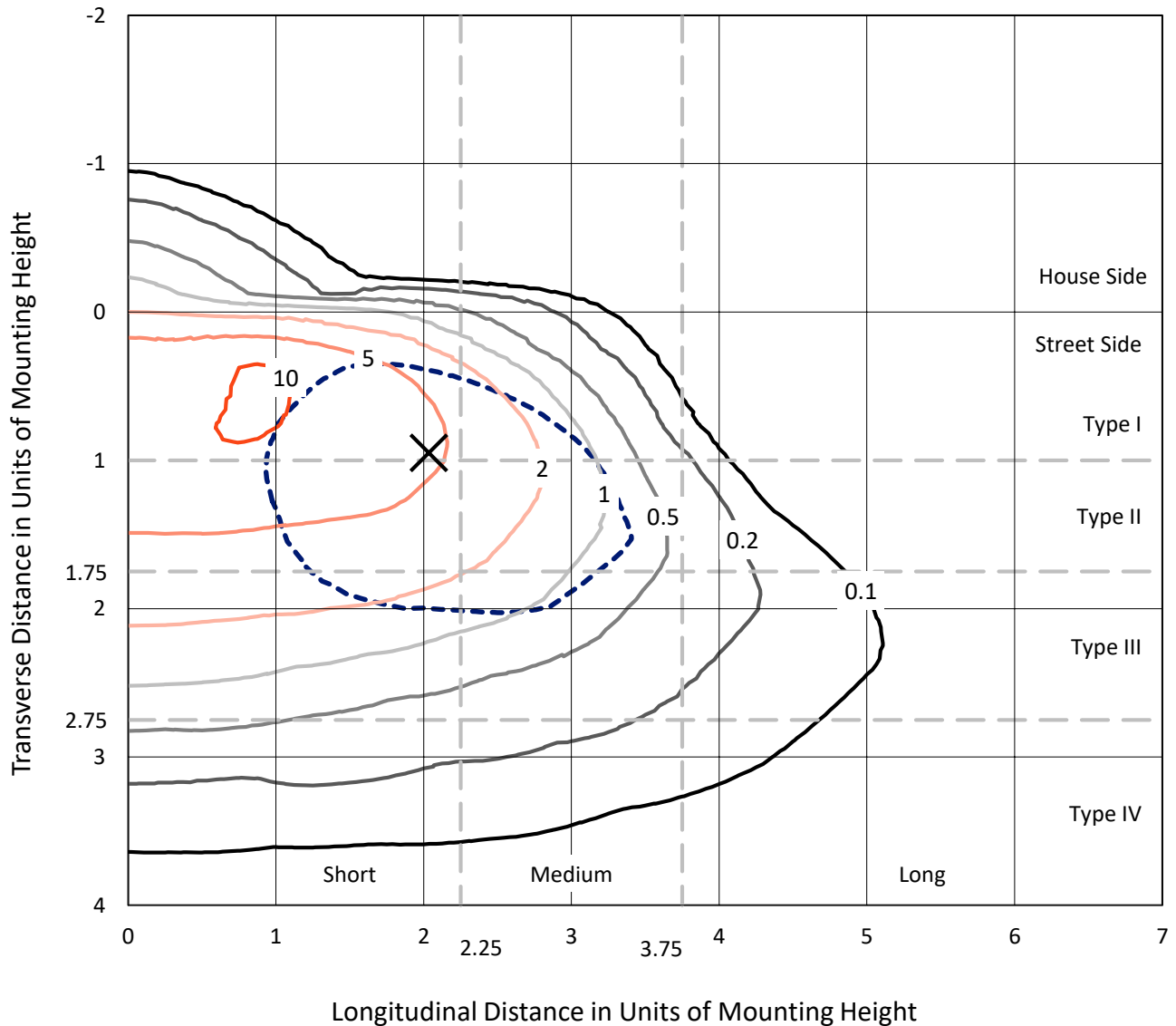


REPORT NUMBER: P180603

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

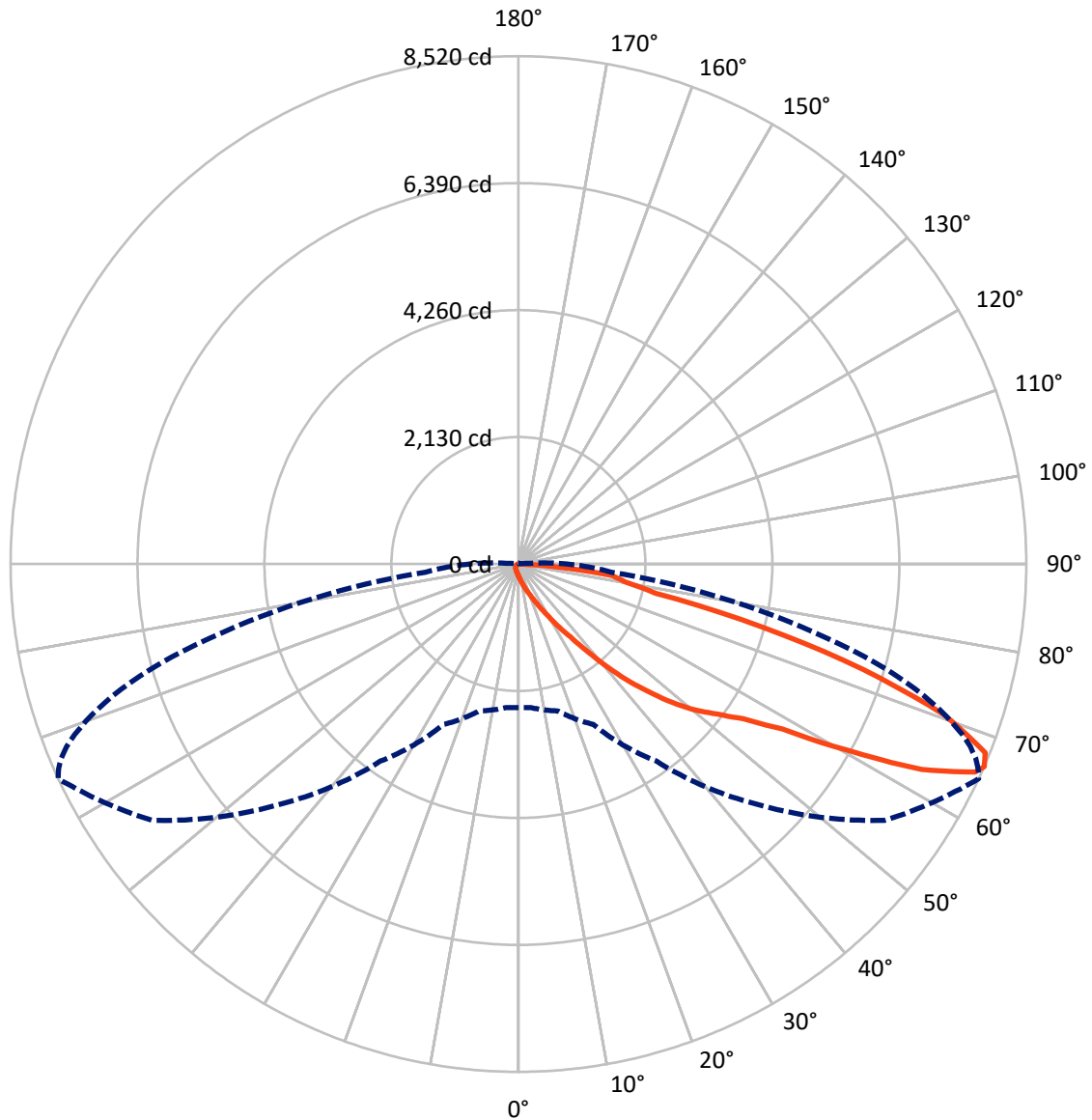


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P180603

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180603

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	144.2	0.0	144.2
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	6513.0	0.0	6513.0
	% Fixture	97.8	0.0	97.8
Total	Lumens	6657.3	0.0	6657.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	0.3
10°-20°	95.4	1.4
20°-30°	205.7	3.1
30°-40°	439.3	6.6
40°-50°	971.6	14.6
50°-60°	1646.5	24.7
60°-70°	2197.1	33.0
70°-80°	967.8	14.5
80°-90°	111.5	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°	6657.3	100.0
0°-180°	6657.3	100.0



REPORT NUMBER: P180603

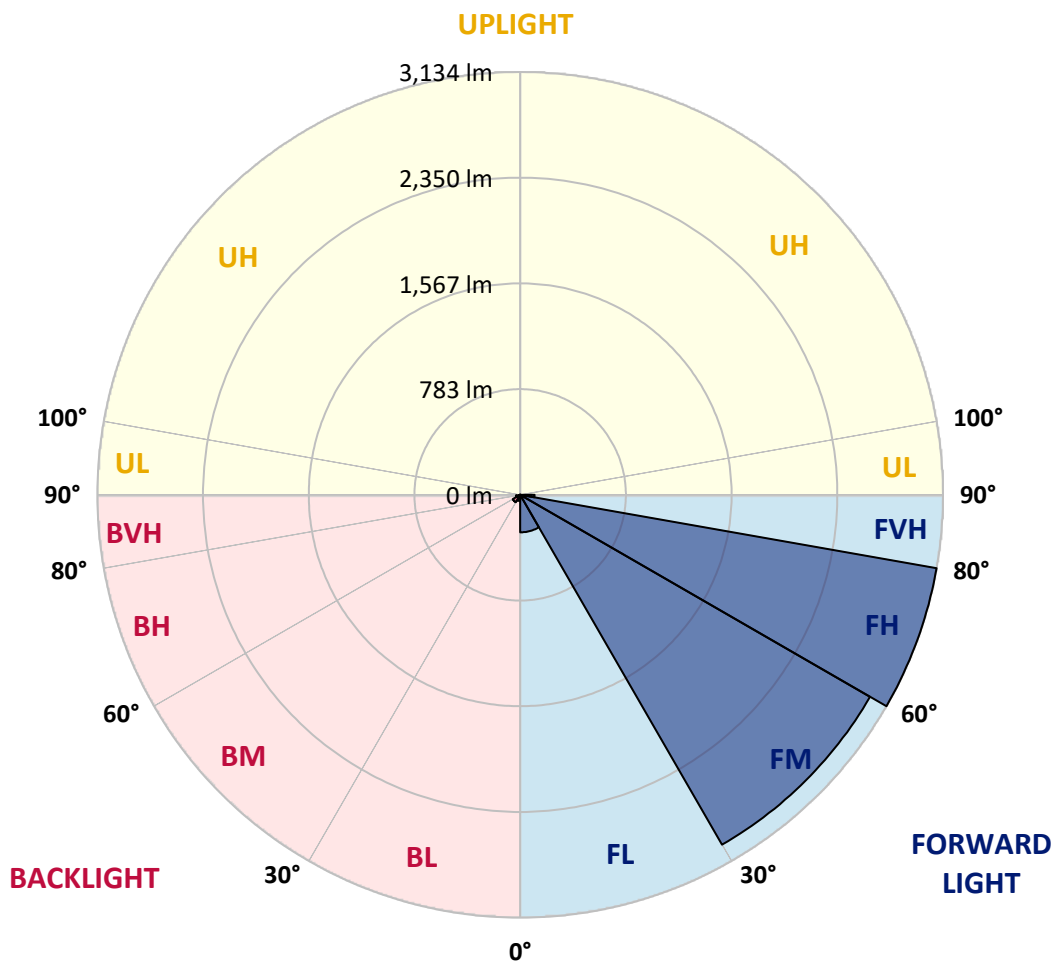
CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.1	4.2			
FM	(30°-60°)	2994.0	45.0			
FH	(60°-80°)	3133.9	47.1			G2/5000
FVH	(80°-90°)	107.0	1.6			G2/225
BL	(0°-30°)	45.5	0.7	B0/110		
BM	(30°-60°)	63.4	1.0	B0/220		
BH	(60°-80°)	30.9	0.5	B0/110		G0/110
BVH	(80°-90°)	4.4	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 III Short





REPORT NUMBER: P180603

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
2.5°	253.4	252.1	247.0	247.0	239.4	234.2	227.8	221.4	221.4	220.2	218.9
5°	335.4	327.6	326.3	312.3	300.7	284.1	268.7	248.3	245.8	243.2	241.9
7.5°	426.2	424.9	413.4	396.7	373.8	343.0	312.3	279.0	273.9	271.4	266.2
10°	543.9	537.6	522.2	494.0	459.4	418.5	368.7	316.1	309.8	304.7	302.0
12.5°	656.6	645.0	636.1	600.3	556.7	496.6	436.5	360.9	355.8	349.4	339.2
15°	761.5	751.3	735.9	705.2	656.6	581.0	510.7	418.5	405.8	396.7	389.1
17.5°	843.4	837.0	819.2	784.6	732.1	665.6	581.0	477.4	467.2	455.6	441.6
20°	921.5	912.6	884.4	837.0	780.7	729.5	664.3	554.2	540.1	526.0	510.7
22.5°	995.7	986.8	940.7	862.6	802.5	780.7	757.7	641.2	619.4	607.9	592.6
25°	1099.4	1080.2	1008.6	884.4	803.7	820.4	860.1	753.9	733.4	716.7	692.4
27.5°	1238.9	1213.3	1100.8	916.4	808.9	863.9	977.9	890.8	869.0	849.9	823.0
30°	1396.4	1379.7	1245.3	993.2	846.1	927.9	1109.7	1064.8	1039.3	1016.2	984.2
32.5°	1555.1	1532.0	1398.9	1139.1	945.9	1052.1	1274.8	1267.1	1233.8	1212.1	1177.5
35°	1694.6	1683.1	1584.5	1378.4	1173.7	1269.7	1494.9	1503.9	1474.4	1451.4	1413.0
37.5°	1789.3	1789.3	1770.1	1635.7	1535.8	1607.5	1818.7	1820.0	1790.5	1738.1	1718.9
40°	1838.0	1852.0	1921.1	1946.7	1941.6	2033.8	2243.6	2220.6	2196.3	2169.4	2105.4
42.5°	1937.8	1950.5	2097.8	2274.3	2389.6	2511.2	2655.7	2648.1	2618.6	2570.1	2511.2
45°	2106.7	2123.4	2298.7	2579.0	2815.7	2988.6	3080.7	3044.9	3015.5	2969.3	2938.6
47.5°	2321.7	2353.7	2552.1	2899.0	3184.4	3469.8	3565.8	3471.1	3445.5	3409.6	3359.7
50°	2550.8	2581.5	2792.8	3189.5	3512.0	3852.5	4012.5	3852.5	3815.4	3803.8	3747.6
52.5°	2749.2	2774.8	2978.3	3413.5	3762.9	4162.2	4395.2	4183.9	4157.0	4118.7	4077.7
55°	2867.0	2887.5	3078.2	3521.0	3933.1	4441.2	4765.1	4579.5	4539.7	4524.4	4465.5
57.5°	2906.6	2927.1	3098.6	3535.1	4025.2	4695.9	5214.3	5220.7	5173.3	5118.3	5100.4
60°	2906.6	2929.7	3074.3	3500.5	4114.8	4967.3	5813.2	6347.0	6244.6	6234.4	6169.1
62.5°	2786.3	2808.1	2954.0	3394.3	4235.2	5333.3	6647.8	7589.7	7560.3	7493.7	7386.3
65°	2525.2	2538.1	2681.4	3122.9	4189.0	5669.9	7370.9	8416.6	8369.2	8238.7	8100.4
66°	2407.5	2417.7	2552.1	2968.1	4038.1	5716.0	7498.9	8520.2	8442.2	8332.1	8176.0
67.5°	2237.2	2255.2	2349.9	2680.1	3675.8	5556.0	7418.3	8447.3	8379.5	8246.4	8090.2
70°	1493.6	1480.8	1814.9	2056.8	2800.4	4527.0	6655.4	7584.6	7585.9	7523.2	7460.5
72.5°	709.0	716.7	814.1	1265.8	1832.8	3024.4	5297.4	6053.9	6140.9	6028.3	5950.2
75°	509.4	520.9	579.8	774.3	1093.0	1814.9	3434.0	4233.9	4236.4	4036.8	3858.9
77.5°	148.5	154.9	217.6	477.4	819.2	1224.8	1972.3	2353.7	2298.7	2155.4	2020.9
80°	61.4	61.4	64.0	152.3	328.9	831.9	1379.7	1812.3	1806.0	1750.9	1671.5
82.5°	23.1	24.3	30.7	62.7	78.0	204.7	920.3	1573.0	1569.1	1491.1	1434.8
85°	2.6	2.6	7.7	26.9	29.4	38.4	184.3	693.7	689.9	693.7	607.9
87.5°	0.0	0.0	1.3	2.6	3.8	5.1	7.7	26.9	29.4	28.2	25.6
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: P180603

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
2.5°	218.9	216.3	216.3	215.0	215.0	215.0	213.8	212.5	212.5	211.2	209.9
5°	239.4	236.7	235.5	232.9	231.6	230.4	227.8	226.5	224.0	222.7	221.4
7.5°	263.6	258.5	257.3	253.4	249.6	247.0	244.5	240.7	238.0	232.9	231.6
10°	294.4	288.0	282.9	277.8	273.9	267.5	263.6	258.5	253.4	249.6	245.8
12.5°	334.0	325.1	317.4	312.3	303.4	295.6	288.0	284.1	273.9	268.7	262.4
15°	377.6	367.4	358.3	348.1	341.8	328.9	318.7	307.2	302.0	293.1	282.9
17.5°	433.9	417.2	403.2	392.9	380.1	367.4	355.8	344.3	328.9	318.7	305.9
20°	494.0	480.0	460.7	442.9	427.4	412.1	395.4	380.1	366.0	349.4	334.0
22.5°	570.8	550.3	527.4	509.4	488.9	472.3	449.2	428.7	405.8	384.0	366.0
25°	668.1	641.2	619.4	593.9	569.6	543.9	515.8	490.2	460.7	440.3	409.6
27.5°	788.4	762.8	733.4	700.1	675.8	637.4	600.3	568.3	533.7	501.7	467.2
30°	942.0	904.8	874.1	842.1	793.5	756.4	712.9	669.4	622.1	590.1	537.6
32.5°	1126.3	1086.6	1040.6	994.5	949.7	897.2	843.4	789.7	737.2	678.3	624.6
35°	1351.5	1304.2	1251.7	1201.8	1132.7	1076.4	1008.6	934.3	875.4	807.6	739.8
37.5°	1649.8	1571.7	1525.6	1473.1	1379.7	1302.9	1227.4	1153.2	1049.5	977.9	881.9
40°	2023.5	1977.4	1902.0	1817.4	1732.9	1631.8	1529.5	1430.9	1310.6	1210.8	1099.4
42.5°	2462.5	2394.7	2317.9	2196.3	2110.5	1991.5	1875.1	1744.5	1597.3	1469.3	1338.8
45°	2874.6	2794.0	2735.1	2613.5	2523.9	2383.2	2242.3	2104.1	1933.9	1768.8	1617.8
47.5°	3320.0	3253.5	3156.2	3057.7	2966.8	2808.1	2655.7	2488.1	2308.9	2113.1	1917.3
50°	3711.7	3659.2	3592.7	3473.6	3372.5	3239.4	3060.2	2877.2	2650.6	2456.1	2233.4
52.5°	4044.5	4003.5	3910.1	3825.6	3734.7	3609.3	3449.3	3274.0	3029.5	2815.7	2562.3
55°	4437.4	4407.9	4326.1	4273.5	4193.0	4072.6	3922.9	3760.3	3501.8	3268.9	2982.2
57.5°	5081.1	5058.2	4986.4	4964.7	4885.3	4780.4	4596.1	4422.0	4119.9	3830.7	3503.1
60°	6147.3	6101.2	5996.3	5942.5	5774.8	5634.1	5394.7	5155.4	4790.6	4422.0	4027.8
62.5°	7289.0	7159.7	6960.0	6788.5	6550.5	6306.0	5986.1	5620.0	5192.5	4754.8	4301.7
65°	7904.6	7684.5	7432.3	7159.7	6851.3	6491.6	6088.4	5649.4	5190.0	4727.9	4249.2
66°	7975.0	7726.7	7459.2	7155.9	6812.9	6430.2	6020.6	5559.8	5082.4	4631.9	4153.2
67.5°	7886.7	7626.8	7344.0	7007.4	6636.2	6239.5	5809.4	5330.7	4871.3	4414.4	3948.5
70°	7268.5	7010.0	6757.8	6403.3	6007.9	5608.5	5201.5	4666.4	4231.3	3811.6	3396.9
72.5°	5804.3	5629.0	5379.4	5076.0	4690.8	4222.4	3883.2	3404.5	3026.9	2619.9	2298.7
75°	3627.2	3380.2	3071.7	2685.2	2390.8	2010.7	1812.3	1448.8	1233.8	1045.7	863.9
77.5°	1854.5	1668.9	1452.7	1235.1	1026.5	819.2	633.6	448.0	302.0	209.9	156.2
80°	1532.0	1368.2	1189.0	990.6	806.3	625.9	450.5	307.2	195.8	128.0	99.8
82.5°	1265.8	1127.5	967.6	783.3	623.4	491.4	341.8	222.7	138.2	89.6	70.4
85°	538.8	488.9	377.6	299.5	225.3	166.4	116.5	78.0	55.1	44.8	40.9
87.5°	23.1	25.6	24.3	19.2	14.0	14.0	12.8	10.2	10.2	10.2	10.2
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: P180603

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
2.5°	209.9	208.7	207.4	207.4	206.0	204.7	197.1	190.7	183.1	177.9	172.7
5°	218.9	217.6	215.0	213.8	211.2	209.9	193.3	179.2	167.6	158.7	152.3
7.5°	227.8	226.5	222.7	218.9	217.6	215.0	188.2	170.2	154.9	144.7	138.2
10°	239.4	235.5	231.6	226.5	222.7	218.9	183.1	160.0	143.3	134.4	128.0
12.5°	256.0	249.6	243.2	236.7	231.6	225.3	180.5	151.1	134.4	124.2	117.8
15°	275.2	266.2	258.5	250.9	241.9	235.5	175.3	143.3	126.7	116.5	108.7
17.5°	293.1	282.9	271.4	259.8	250.9	241.9	170.2	135.6	119.1	108.7	101.1
20°	318.7	303.4	289.2	275.2	262.4	250.9	162.5	128.0	112.7	101.1	93.4
22.5°	346.9	328.9	311.0	291.8	275.2	259.8	156.2	121.6	106.2	94.7	85.8
25°	382.7	360.9	336.7	312.3	293.1	272.7	149.8	115.2	99.8	88.3	79.3
27.5°	432.6	401.9	375.0	344.3	314.9	291.8	144.7	110.0	93.4	82.0	72.9
30°	500.5	455.6	413.4	380.1	345.6	312.3	139.5	103.6	88.3	75.5	65.3
32.5°	575.9	523.4	474.8	424.9	381.4	343.0	134.4	98.5	82.0	69.1	60.2
35°	669.4	602.8	537.6	480.0	427.4	376.3	129.3	93.4	76.8	62.7	53.8
37.5°	803.7	720.6	634.8	560.6	492.7	424.9	125.4	88.3	70.4	56.3	47.3
40°	988.1	880.6	775.6	674.5	586.2	501.7	120.3	83.2	65.3	51.2	42.2
42.5°	1187.7	1057.2	919.0	805.0	683.4	577.2	115.2	78.0	60.2	46.0	37.1
45°	1436.0	1273.5	1105.9	951.0	802.5	665.6	110.0	72.9	53.8	40.9	32.0
47.5°	1707.4	1500.0	1310.6	1116.1	939.4	775.6	103.6	69.1	48.7	35.8	28.2
50°	1986.4	1767.5	1528.2	1306.8	1096.8	885.7	97.3	62.7	43.5	32.0	23.1
52.5°	2287.2	2028.7	1784.2	1509.0	1264.6	1030.3	90.9	57.6	39.7	28.2	19.2
55°	2669.9	2380.6	2093.9	1785.4	1491.1	1198.0	84.5	51.2	34.5	24.3	15.3
57.5°	3151.1	2808.1	2456.1	2108.0	1750.9	1418.1	79.3	44.8	29.4	20.5	12.8
60°	3605.4	3204.9	2778.6	2378.1	1974.9	1587.1	71.6	39.7	25.6	16.7	12.8
62.5°	3841.0	3384.0	2924.6	2483.0	2052.9	1647.3	64.0	33.3	21.8	14.0	11.5
65°	3783.4	3317.5	2872.1	2426.7	2005.6	1608.8	56.3	29.4	19.2	12.8	11.5
66°	3700.2	3239.4	2791.5	2367.8	1965.9	1567.8	52.5	28.2	18.0	12.8	10.2
67.5°	3518.4	3073.0	2645.5	2251.4	1857.1	1489.8	47.3	25.6	16.7	11.5	10.2
70°	3005.2	2600.8	2259.0	1908.3	1587.1	1255.5	38.4	21.8	14.0	10.2	10.2
72.5°	1988.9	1713.8	1486.0	1278.6	1068.8	829.4	32.0	18.0	11.5	10.2	8.9
75°	750.1	678.3	582.3	523.4	456.9	400.6	25.6	11.5	8.9	8.9	8.9
77.5°	133.1	122.9	108.7	99.8	92.2	84.5	20.5	7.7	7.7	8.9	8.9
80°	89.6	83.2	75.5	69.1	64.0	57.6	14.0	6.4	7.7	7.7	8.9
82.5°	64.0	60.2	56.3	51.2	47.3	42.2	8.9	6.4	7.7	7.7	7.7
85°	38.4	35.8	33.3	30.7	26.9	25.6	6.4	6.4	6.4	7.7	7.7
87.5°	10.2	8.9	10.2	10.2	7.7	8.9	5.1	5.1	5.1	6.4	6.4
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: P180603

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	200.9	200.9	200.9	200.9	200.9
2.5°	170.2	170.2	167.6	171.5	171.5
5°	147.2	147.2	145.9	147.2	147.2
7.5°	134.4	133.1	133.1	133.1	134.4
10°	122.9	121.6	121.6	121.6	121.6
12.5°	112.7	111.3	110.0	111.3	111.3
15°	103.6	101.1	101.1	101.1	101.1
17.5°	96.0	93.4	92.2	92.2	92.2
20°	88.3	84.5	84.5	84.5	84.5
22.5°	80.7	76.8	76.8	76.8	76.8
25°	72.9	69.1	69.1	69.1	69.1
27.5°	66.5	62.7	62.7	62.7	62.7
30°	58.9	56.3	56.3	57.6	56.3
32.5°	53.8	50.0	50.0	51.2	51.2
35°	47.3	44.8	44.8	44.8	44.8
37.5°	40.9	38.4	38.4	38.4	38.4
40°	35.8	33.3	32.0	33.3	33.3
42.5°	30.7	28.2	26.9	26.9	26.9
45°	26.9	23.1	21.8	23.1	23.1
47.5°	21.8	19.2	19.2	20.5	20.5
50°	16.7	16.7	18.0	20.5	20.5
52.5°	15.3	15.3	18.0	20.5	20.5
55°	14.0	15.3	18.0	19.2	20.5
57.5°	12.8	15.3	18.0	19.2	19.2
60°	12.8	14.0	16.7	19.2	19.2
62.5°	11.5	12.8	15.3	18.0	18.0
65°	11.5	12.8	15.3	18.0	18.0
66°	11.5	12.8	15.3	18.0	18.0
67.5°	11.5	12.8	15.3	18.0	18.0
70°	11.5	12.8	15.3	16.7	16.7
72.5°	10.2	11.5	14.0	16.7	16.7
75°	10.2	11.5	14.0	16.7	16.7
77.5°	10.2	11.5	14.0	16.7	16.7
80°	10.2	11.5	14.0	15.3	16.7
82.5°	8.9	11.5	12.8	15.3	15.3
85°	8.9	10.2	12.8	14.0	15.3
87.5°	7.7	8.9	10.2	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)