

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: P180372

Luminaire Tested: **ICM-F02-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180372
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F02-LED-E1-SL2-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2572.1 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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

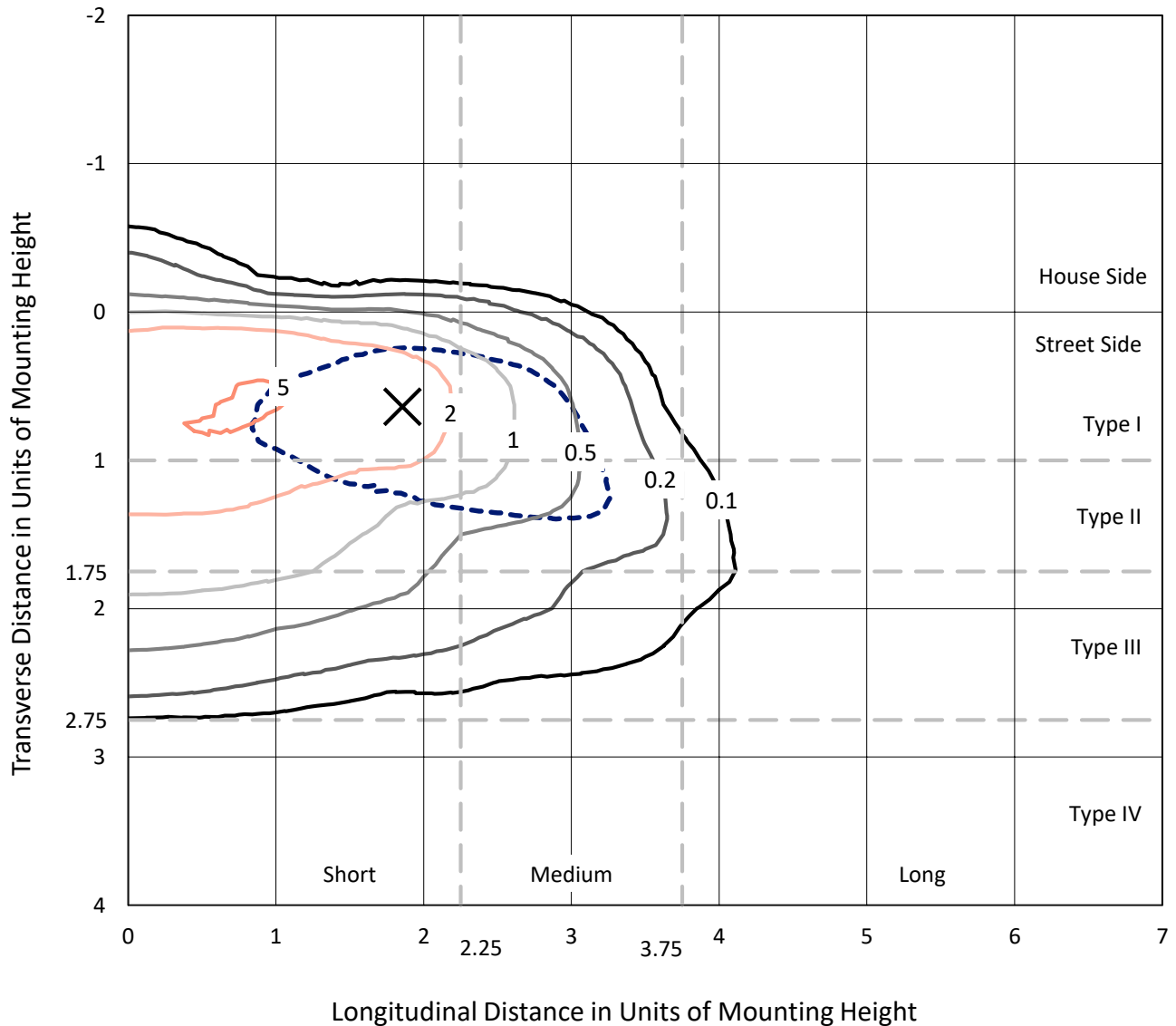


REPORT NUMBER: P180372

CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

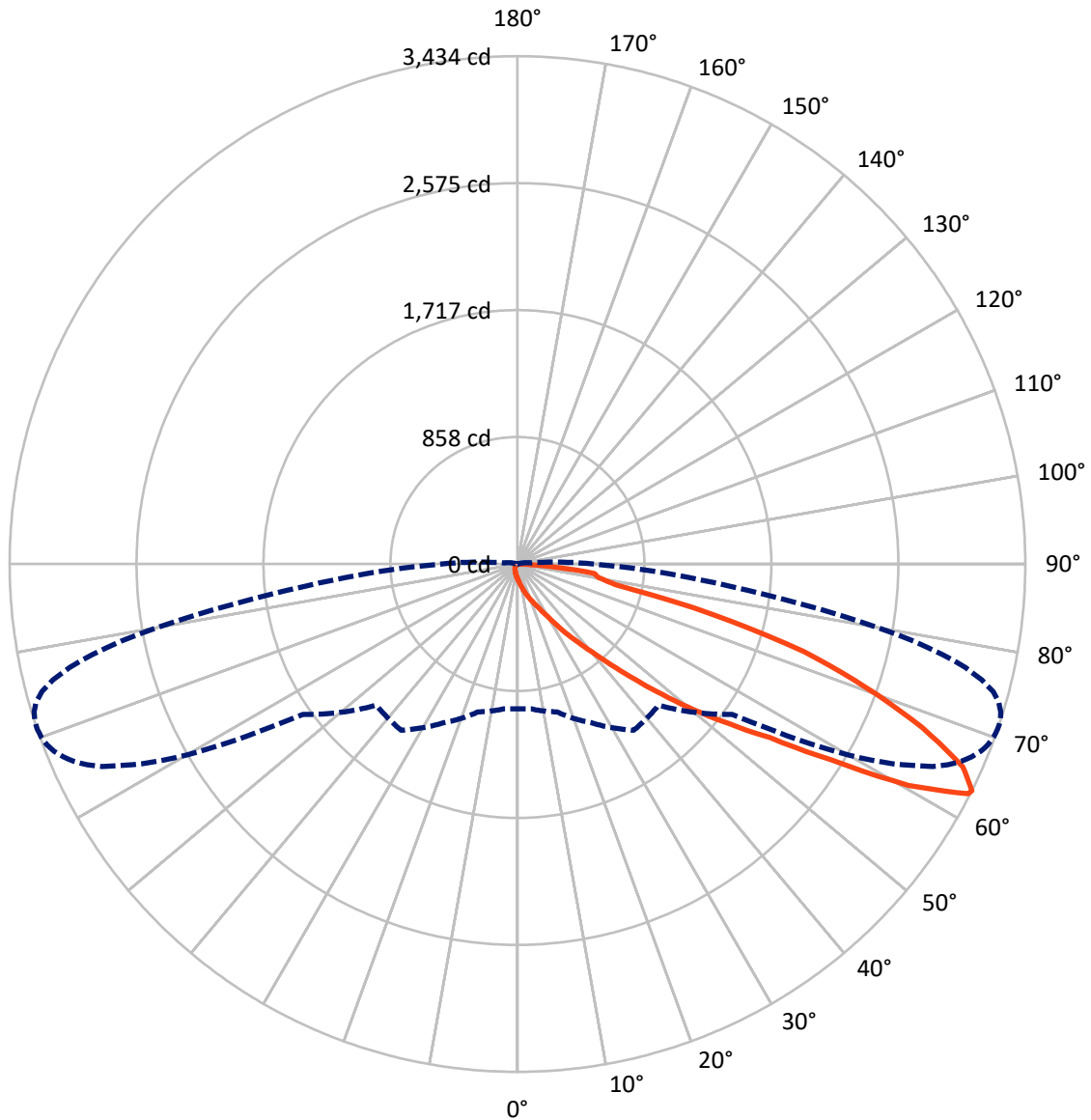
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P180372
CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P180372

CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	54.6	0.0	54.6
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	2517.5	0.0	2517.5
	% Fixture	97.9	0.0	97.9
Total	Lumens	2572.1	0.0	2572.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.4
10°-20°	42.3	1.6
20°-30°	85.9	3.3
30°-40°	209.9	8.2
40°-50°	469.4	18.2
50°-60°	660.0	25.7
60°-70°	776.1	30.2
70°-80°	280.2	10.9
80°-90°	37.5	1.5
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°	2572.1	100.0
0°-180°	2572.1	100.0



REPORT NUMBER: P180372

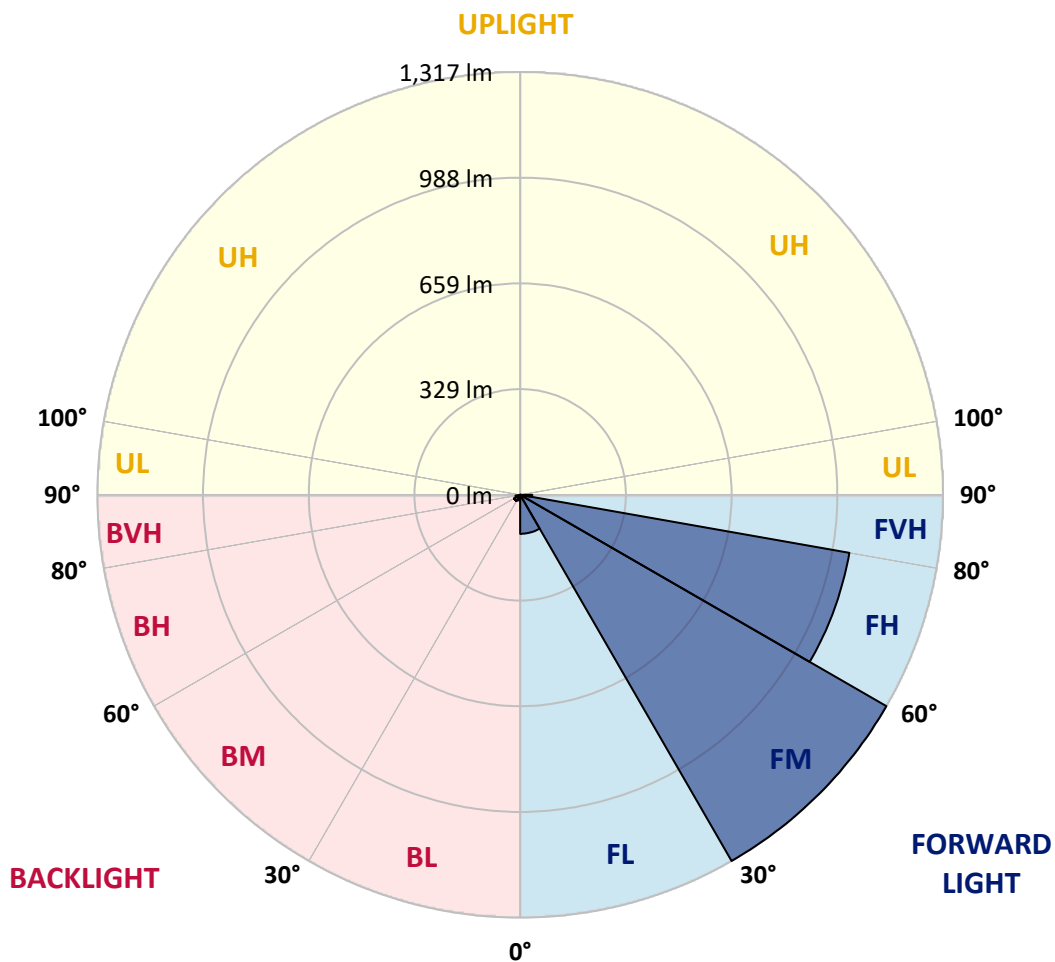
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.5	4.7			
FM	(30°-60°)	1317.2	51.2			
FH	(60°-80°)	1041.4	40.5			G1/1800
FVH	(80°-90°)	37.4	1.5			G1/100
BL	(0°-30°)	17.6	0.7	B0/110		
BM	(30°-60°)	22.0	0.9	B0/220		
BH	(60°-80°)	15.0	0.6	B0/110		G0/110
BVH	(80°-90°)	0.1	0.0			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 II Short





REPORT NUMBER: P180372

CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	129.0	130.4	129.5	127.2	124.4	120.7	117.4	117.4	116.9	115.5	116.0
5°	169.3	169.8	167.9	162.2	157.1	149.1	140.3	139.3	138.4	137.0	136.6
7.5°	208.6	210.4	208.6	202.5	192.2	180.0	166.0	164.6	161.8	161.8	159.9
10°	248.7	248.7	246.9	239.9	230.5	213.2	195.4	193.1	189.9	188.9	186.1
12.5°	277.3	277.3	276.4	272.7	265.1	249.7	228.2	225.9	221.7	220.3	216.9
15°	288.5	288.5	288.9	292.3	292.7	285.7	263.3	261.4	257.2	253.4	252.0
17.5°	295.5	295.1	295.1	299.7	308.2	312.8	298.3	296.5	291.8	290.0	285.2
20°	311.0	310.0	307.2	307.2	315.2	331.5	331.5	331.1	326.0	324.5	322.1
22.5°	333.9	332.9	324.5	317.5	321.2	341.8	361.0	360.0	358.1	356.3	354.9
25°	371.3	368.0	353.5	332.9	329.7	351.6	383.4	385.8	387.2	387.2	388.1
27.5°	427.8	423.6	398.0	359.5	345.1	367.5	408.2	412.9	417.1	418.0	422.2
30°	506.4	498.9	462.0	405.9	372.7	390.9	444.7	449.9	455.9	457.8	464.3
32.5°	635.4	631.3	595.7	511.5	440.5	436.7	495.6	502.2	510.1	513.4	521.4
35°	831.8	832.7	803.8	728.0	629.9	578.4	586.8	592.5	595.3	605.0	609.3
37.5°	965.1	967.4	974.0	944.1	874.0	821.6	755.6	761.7	747.3	748.7	749.1
40°	1038.1	1045.6	1083.9	1112.8	1107.3	1076.8	1024.0	1027.3	1000.2	994.1	964.7
42.5°	1086.7	1096.5	1157.8	1247.5	1293.4	1320.9	1308.8	1307.4	1286.3	1278.4	1253.6
45°	1117.1	1126.0	1203.2	1335.5	1441.1	1521.6	1554.8	1558.5	1540.8	1532.8	1512.2
47.5°	1115.7	1126.0	1208.8	1368.2	1523.9	1652.5	1746.0	1750.7	1761.4	1754.4	1755.8
50°	1054.0	1063.8	1147.0	1312.6	1499.5	1712.3	1883.5	1898.4	1915.7	1927.5	1933.0
52.5°	979.2	986.1	1060.0	1217.1	1395.7	1687.5	1964.8	1990.5	2016.3	2038.2	2053.7
55°	951.5	959.5	1017.5	1147.9	1312.6	1583.7	2002.7	2040.6	2077.0	2113.0	2142.5
57.5°	966.1	973.5	1015.2	1115.2	1263.0	1474.3	2013.5	2072.4	2132.2	2190.7	2248.7
60°	1019.4	1027.3	1062.9	1145.6	1249.9	1411.2	1971.4	2069.1	2168.7	2270.6	2366.5
62.5°	998.3	1001.6	1054.0	1198.9	1343.4	1357.4	1818.5	1955.0	2107.0	2264.1	2418.9
63°	978.2	982.0	1035.3	1184.4	1371.9	1349.5	1771.3	1915.3	2075.6	2244.9	2413.2
65°	887.1	887.5	928.2	1046.1	1340.1	1363.5	1560.8	1698.3	1882.5	2085.5	2298.2
67.5°	662.1	658.9	698.1	787.9	1052.1	1364.0	1339.6	1416.8	1544.9	1724.9	1915.7
70°	234.7	229.6	293.2	417.6	655.5	1115.7	1151.3	1156.4	1191.9	1289.1	1408.8
72.5°	76.2	77.6	93.5	152.9	302.0	751.0	1042.2	1026.3	1017.0	1016.6	1032.5
75°	30.4	30.9	37.4	67.8	135.6	362.0	912.7	921.6	924.9	929.6	934.7
77.5°	14.5	15.9	21.0	37.9	67.3	179.1	653.2	728.5	771.5	804.7	824.8
80°	5.1	6.0	11.7	23.3	31.3	82.3	344.2	415.3	478.3	559.7	629.9
82.5°	0.0	0.0	2.3	16.4	17.3	33.2	141.2	165.5	189.4	245.5	315.2
85°	0.0	0.0	0.0	4.7	5.1	5.6	47.7	57.5	64.6	75.3	87.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4	2.8	7.0	10.8
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: P180372

CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	115.1	114.6	114.6	113.6	113.1	112.2	111.7	110.3	109.9	109.9	109.9
5°	136.1	134.2	133.3	130.9	129.5	129.0	126.7	125.8	124.4	124.8	122.5
7.5°	159.4	156.2	154.8	151.5	150.6	147.3	146.3	144.0	142.6	139.8	138.9
10°	185.2	180.9	178.6	173.5	172.1	169.8	167.0	164.1	161.8	159.0	157.6
12.5°	214.6	210.9	209.0	202.0	198.7	195.4	191.7	188.0	184.2	181.9	178.6
15°	249.2	243.2	241.3	234.7	229.1	224.9	219.8	215.1	212.3	207.6	204.4
17.5°	283.4	277.3	275.9	266.0	260.0	257.2	251.5	245.5	240.4	235.6	230.5
20°	317.5	313.3	309.6	300.2	293.7	288.9	281.5	275.4	271.2	264.7	258.1
22.5°	351.6	347.4	344.7	334.8	328.7	322.1	315.6	309.1	303.0	295.1	287.5
25°	386.7	383.9	382.5	373.6	368.0	362.0	355.4	347.9	340.4	331.5	323.5
27.5°	423.2	424.1	421.3	419.4	413.4	409.1	398.9	393.7	388.1	377.3	367.5
30°	469.5	472.3	471.4	472.7	469.0	466.2	458.2	451.7	445.1	434.9	423.6
32.5°	527.9	531.6	533.5	538.7	536.8	535.9	533.5	524.2	519.5	501.8	497.0
35°	618.1	616.3	624.3	628.5	626.6	625.7	622.8	617.7	612.1	599.4	587.7
37.5°	735.5	737.4	740.2	731.8	726.1	725.7	717.3	712.2	704.2	690.1	676.1
40°	950.6	938.9	925.9	890.3	874.9	866.0	841.2	834.1	820.7	801.5	787.0
42.5°	1230.2	1218.5	1179.3	1119.9	1088.1	1044.1	1024.0	999.3	980.1	948.7	931.9
45°	1508.0	1474.3	1469.7	1400.5	1361.1	1303.2	1267.2	1225.6	1182.1	1140.9	1111.0
47.5°	1742.2	1734.8	1711.8	1669.8	1633.3	1584.7	1538.4	1474.3	1429.4	1371.0	1317.2
50°	1929.8	1929.3	1920.8	1896.6	1866.2	1826.9	1786.2	1732.0	1681.0	1609.5	1551.9
52.5°	2070.1	2077.5	2080.3	2072.8	2061.1	2026.5	2006.0	1960.7	1917.6	1856.8	1794.6
55°	2172.9	2200.5	2214.5	2230.4	2227.2	2215.0	2214.1	2184.6	2164.9	2116.9	2072.8
57.5°	2300.1	2345.5	2388.9	2466.1	2468.9	2496.0	2510.1	2524.1	2527.8	2508.7	2494.2
60°	2461.9	2554.4	2636.8	2798.1	2840.2	2906.5	2949.6	2996.4	3036.1	3039.4	3038.4
62.5°	2576.0	2718.6	2851.4	3090.8	3172.7	3249.3	3306.8	3352.2	3379.7	3407.8	3421.0
63°	2579.3	2735.5	2876.7	3123.6	3209.6	3282.5	3337.2	3379.3	3408.3	3425.1	3433.5
65°	2500.2	2689.6	2858.0	3103.9	3184.8	3258.3	3286.7	3314.3	3328.4	3334.9	3310.1
67.5°	2119.2	2304.3	2500.7	2775.6	2844.9	2932.8	2956.1	2970.2	2976.7	2975.3	2954.3
70°	1584.7	1739.9	1958.2	2272.5	2364.2	2450.2	2503.6	2526.4	2533.9	2531.6	2500.2
72.5°	1106.3	1197.5	1377.5	1727.3	1852.1	1962.5	2028.4	2062.5	2069.6	2055.5	2026.5
75°	929.1	933.8	974.4	1165.7	1282.6	1400.5	1474.8	1496.3	1482.2	1439.7	1365.9
77.5°	829.5	839.8	839.8	868.3	891.3	924.0	931.0	878.6	817.9	739.3	675.6
80°	695.8	731.8	757.0	778.1	780.4	773.9	756.6	727.1	680.4	620.5	554.1
82.5°	422.7	493.8	522.8	631.3	684.6	720.6	717.8	678.5	643.0	580.7	524.2
85°	106.6	115.1	124.8	162.2	181.9	222.1	247.4	259.1	263.3	241.8	218.8
87.5°	10.3	7.0	11.7	8.9	12.7	9.4	12.7	11.7	14.5	15.4	16.8
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: P180372

CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	108.9	108.5	108.0	107.5	107.1	106.6	105.7	105.7	104.7	104.3	103.8
5°	121.1	120.2	119.7	118.8	117.4	116.5	115.1	113.1	111.7	111.3	110.3
7.5°	136.6	134.2	133.3	131.9	130.0	127.2	125.3	123.9	121.6	120.2	117.4
10°	153.9	151.5	148.7	145.9	143.1	139.8	137.5	135.6	131.9	130.0	126.7
12.5°	175.8	171.6	168.4	164.6	160.8	157.1	154.3	148.7	145.4	141.2	138.4
15°	198.2	194.5	190.8	186.1	180.5	174.4	171.6	166.4	162.2	155.7	152.0
17.5°	225.4	218.3	212.7	207.2	202.0	196.4	190.8	182.8	176.7	171.2	163.6
20°	252.0	243.6	237.6	230.0	222.6	213.7	207.2	201.5	193.1	185.7	177.7
22.5°	280.6	272.1	262.3	254.9	244.6	237.6	228.7	219.3	210.9	201.0	191.3
25°	315.2	306.2	295.1	285.2	273.6	263.7	252.9	242.2	231.9	220.7	208.1
27.5°	357.7	348.4	336.2	324.5	309.1	296.9	286.6	272.1	259.1	245.0	230.5
30°	411.4	401.2	386.2	369.4	354.0	340.4	326.0	306.7	292.3	275.4	256.7
32.5°	481.6	469.5	449.4	433.5	414.3	396.6	376.4	357.2	336.7	314.7	293.2
35°	570.0	558.8	535.4	512.0	491.0	470.0	444.7	422.7	393.7	367.1	339.4
37.5°	661.7	641.6	620.0	594.8	568.6	543.4	512.5	482.0	448.9	419.9	385.3
40°	766.4	742.1	724.3	697.2	660.3	624.3	595.7	557.9	516.2	477.4	436.7
42.5°	910.0	882.8	851.0	809.9	783.3	741.1	704.2	659.4	604.6	561.1	512.0
45°	1075.9	1039.0	1008.1	968.4	936.1	883.7	840.7	780.8	726.1	669.1	609.3
47.5°	1265.3	1219.4	1174.6	1135.4	1083.9	1032.5	977.8	914.1	844.0	781.3	710.2
50°	1482.7	1417.8	1355.5	1305.0	1234.4	1175.1	1115.7	1044.1	966.5	894.5	813.6
52.5°	1724.5	1649.2	1566.9	1489.3	1407.5	1331.3	1259.7	1177.4	1090.9	1003.0	912.7
55°	2016.3	1959.7	1862.9	1764.2	1654.8	1552.8	1460.8	1358.8	1253.6	1138.1	1043.2
57.5°	2473.1	2445.5	2364.7	2266.0	2123.4	1999.5	1843.3	1718.4	1566.0	1407.0	1284.5
60°	3092.2	3058.1	3012.8	2932.8	2819.6	2651.3	2479.2	2285.1	2053.2	1832.9	1623.9
62.5°	3422.3	3410.2	3373.2	3318.1	3212.4	3079.6	2906.1	2692.9	2431.0	2163.5	1897.0
63°	3432.1	3416.8	3385.0	3328.9	3235.7	3107.2	2936.9	2729.8	2473.6	2200.9	1928.8
65°	3299.4	3293.3	3261.0	3199.7	3136.2	3038.0	2906.1	2727.9	2512.9	2255.2	1984.5
67.5°	2926.3	2908.0	2858.4	2839.7	2795.3	2727.0	2626.5	2504.0	2350.2	2147.6	1913.9
70°	2475.0	2447.8	2385.7	2352.5	2298.2	2255.2	2194.0	2106.5	2011.6	1870.3	1696.0
72.5°	1996.7	1940.5	1883.5	1796.9	1721.2	1644.6	1576.8	1515.0	1410.7	1353.7	1221.4
75°	1296.7	1194.7	1096.9	966.1	848.2	743.9	642.5	591.1	484.0	440.5	378.3
77.5°	615.4	558.3	481.6	422.2	346.5	282.9	231.0	173.5	136.1	106.6	81.4
80°	496.6	448.5	402.1	348.4	291.4	232.4	178.1	133.3	94.4	65.5	46.3
82.5°	442.8	390.4	333.4	296.5	257.7	210.9	173.0	141.2	104.3	76.2	51.9
85°	172.1	144.9	111.7	91.2	71.1	58.4	52.8	36.5	28.6	22.4	17.3
87.5°	15.0	12.2	9.9	6.5	7.0	3.7	4.2	2.8	2.3	2.3	1.9
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: P180372

CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	103.3	102.9	102.4	101.5	101.5	100.6	100.1	99.6	97.3	92.1	87.9
5°	108.5	107.5	106.6	105.2	104.3	102.9	102.0	100.6	95.3	85.6	77.1
7.5°	116.0	114.0	112.7	109.9	108.5	106.6	105.2	102.9	94.4	79.5	67.8
10°	124.8	121.6	119.3	116.0	113.1	110.8	108.5	105.2	93.5	72.9	59.3
12.5°	135.6	131.9	127.2	123.4	119.7	116.5	113.1	108.9	92.1	67.3	52.8
15°	146.3	140.7	137.5	132.4	127.2	122.5	117.9	114.0	92.6	61.2	47.3
17.5°	158.5	152.9	145.9	140.3	134.7	128.6	123.0	115.5	90.2	56.6	43.0
20°	170.2	162.2	155.7	148.7	140.7	133.3	126.2	119.7	88.4	51.9	39.3
22.5°	182.8	173.5	165.0	156.2	146.3	138.0	129.5	121.1	85.1	47.7	36.0
25°	198.2	187.5	175.3	164.6	154.3	144.0	133.3	123.0	81.9	44.0	33.7
27.5°	216.9	203.0	190.8	177.2	162.7	149.7	138.0	126.7	78.5	41.1	31.3
30°	240.8	224.5	207.2	189.9	174.4	159.4	143.1	129.0	75.3	38.3	29.0
32.5°	272.7	252.0	231.0	210.9	190.3	171.2	153.9	135.6	73.4	36.0	26.7
35°	314.7	288.0	262.3	237.0	212.3	188.9	166.4	145.9	73.4	33.2	23.8
37.5°	354.4	323.5	290.9	259.5	230.0	203.0	176.3	151.5	69.7	30.9	21.5
40°	397.5	360.6	322.1	285.2	249.7	216.0	185.7	157.1	66.4	28.1	19.2
42.5°	463.4	416.7	366.6	323.5	281.0	239.4	201.5	167.9	62.2	25.2	16.8
45°	549.9	490.5	431.6	379.3	325.0	274.0	229.1	187.5	61.2	22.9	14.5
47.5°	642.5	572.4	503.2	436.3	372.7	313.3	259.5	209.5	61.2	20.6	12.7
50°	734.6	646.7	572.8	495.2	423.6	353.5	289.4	232.4	61.8	18.7	10.3
52.5°	817.9	723.8	641.1	551.3	472.3	390.9	321.2	254.9	60.7	16.4	8.4
55°	933.3	823.0	727.1	628.0	535.4	443.7	364.7	288.5	61.2	14.5	7.0
57.5°	1146.1	1016.6	901.0	771.1	664.5	546.1	450.3	357.7	66.9	12.2	5.1
60°	1451.5	1283.1	1120.8	962.3	826.7	686.0	561.6	452.7	78.5	9.9	3.7
62.5°	1656.7	1436.5	1242.9	1068.0	910.4	763.1	627.5	503.6	86.5	7.9	2.3
63°	1677.8	1450.1	1255.4	1075.0	914.1	766.9	630.3	507.4	87.0	7.4	2.3
65°	1717.5	1473.4	1262.5	1076.4	910.4	761.7	628.5	506.9	87.9	6.0	1.9
67.5°	1672.1	1437.4	1221.9	1036.2	877.7	731.4	605.0	488.2	87.4	4.2	1.4
70°	1495.4	1300.8	1111.4	938.4	794.4	662.1	550.8	445.1	80.5	2.8	0.9
72.5°	1098.0	965.6	818.8	694.0	598.5	497.0	424.1	334.3	62.2	1.9	0.5
75°	325.5	296.5	249.2	219.8	194.0	160.4	142.6	111.3	31.8	0.9	0.0
77.5°	65.0	58.9	52.8	48.2	45.4	38.8	36.9	30.4	13.1	0.5	0.0
80°	34.1	28.1	23.8	21.0	18.2	15.0	12.7	10.3	2.3	0.0	0.0
82.5°	32.7	22.0	15.9	13.1	11.3	8.9	7.0	5.1	1.4	0.0	0.0
85°	12.2	9.4	7.0	5.6	4.7	4.2	3.3	2.8	0.0	0.0	0.0
87.5°	1.9	1.4	1.4	0.9	0.9	0.5	0.5	0.5	0.0	0.0	0.0
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: P180372

CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	83.7	80.0	78.0	75.7	75.7	75.3	76.2
5°	69.7	64.6	60.7	58.0	58.4	57.0	57.5
7.5°	58.9	53.8	50.5	48.7	48.2	47.7	47.7
10°	51.0	46.3	43.4	42.0	41.6	41.6	41.6
12.5°	45.4	40.7	38.3	37.4	37.4	36.9	36.9
15°	40.7	36.9	34.6	33.7	33.7	33.2	33.7
17.5°	36.9	33.2	31.3	30.4	30.4	30.0	30.0
20°	33.7	30.4	28.6	27.2	27.2	26.7	27.2
22.5°	30.9	27.6	25.2	24.3	23.8	23.3	23.8
25°	28.1	24.7	22.4	21.0	20.6	20.6	20.1
27.5°	25.7	22.4	19.6	18.2	17.8	17.8	17.3
30°	23.3	19.6	16.8	15.4	15.0	15.0	15.0
32.5°	21.0	16.8	14.5	13.1	12.7	12.7	12.7
35°	18.7	14.5	12.2	10.8	10.3	10.3	10.3
37.5°	15.9	12.2	9.4	8.4	7.9	7.4	7.4
40°	13.6	9.4	7.0	6.0	5.1	5.1	5.1
42.5°	11.3	7.4	5.1	3.7	3.3	2.8	3.3
45°	9.4	5.6	3.3	1.9	1.4	1.4	1.4
47.5°	7.4	3.7	1.4	0.5	0.5	0.5	0.5
50°	5.6	2.3	0.5	0.0	0.0	0.5	0.5
52.5°	4.2	1.4	0.0	0.0	0.0	0.0	0.0
55°	2.3	0.5	0.0	0.0	0.0	0.0	0.0
57.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)