

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: P180373

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180373
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2816.2 lumens
Efficiency: N/A
Efficacy: 51.2 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

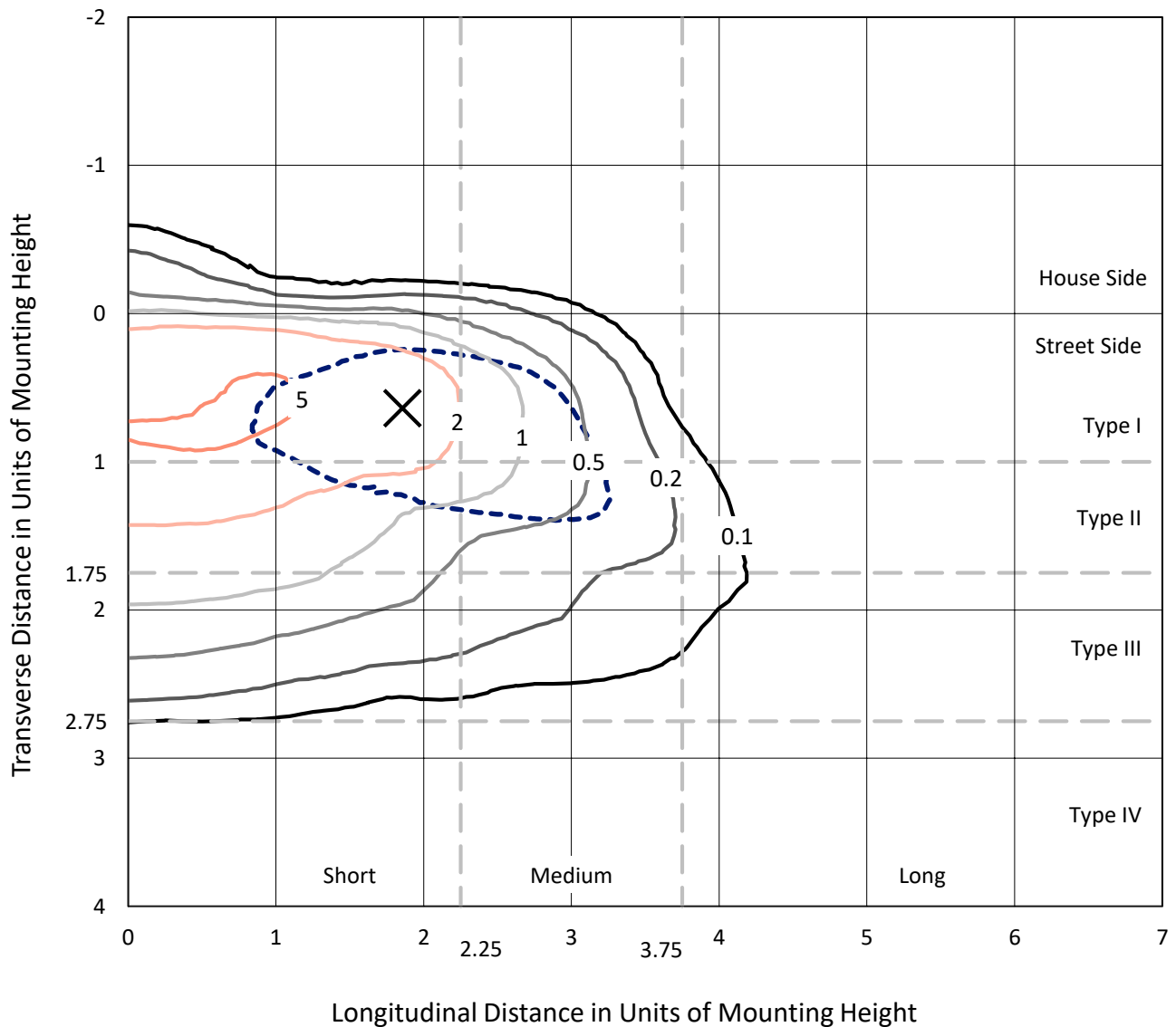


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

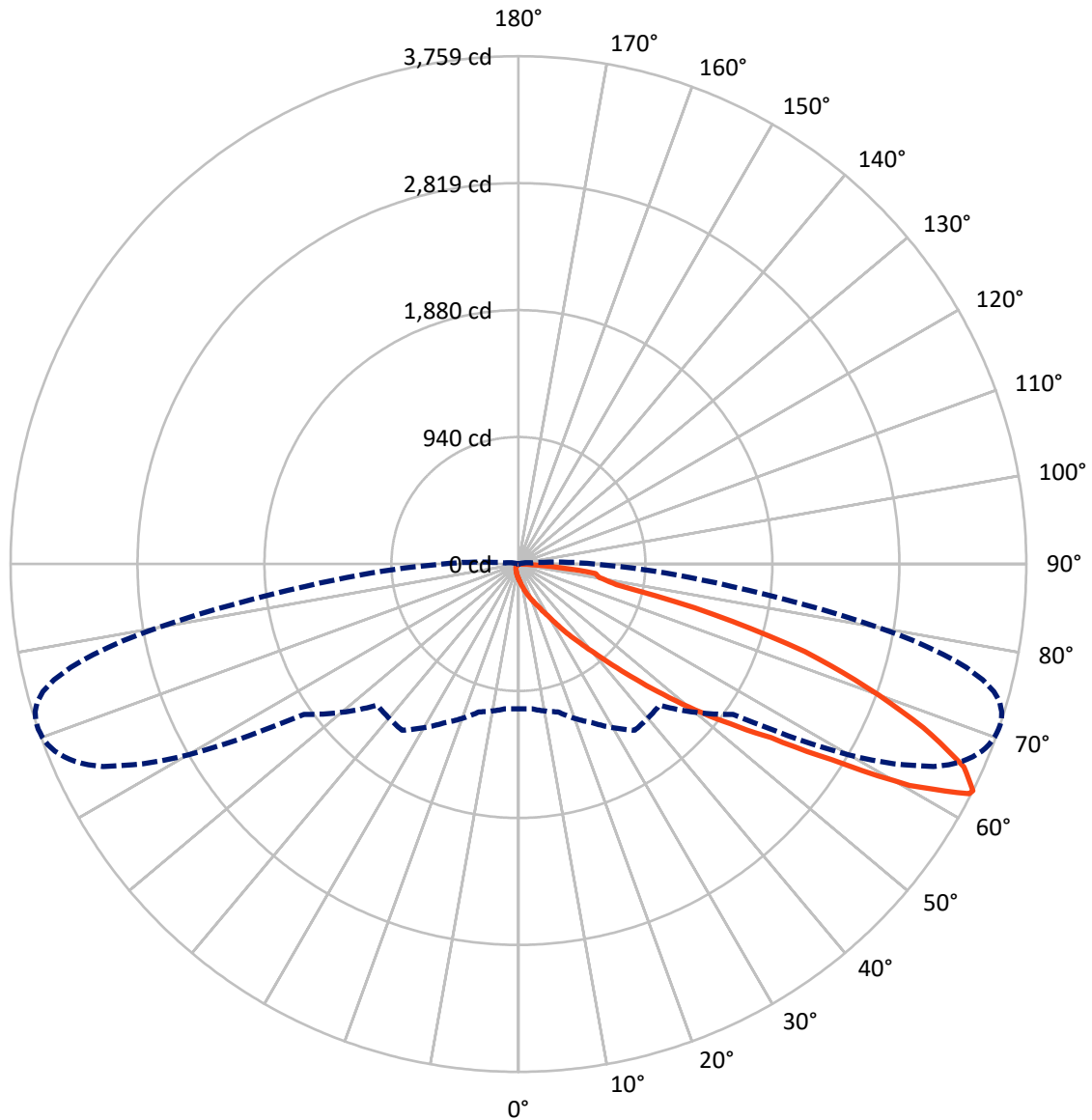


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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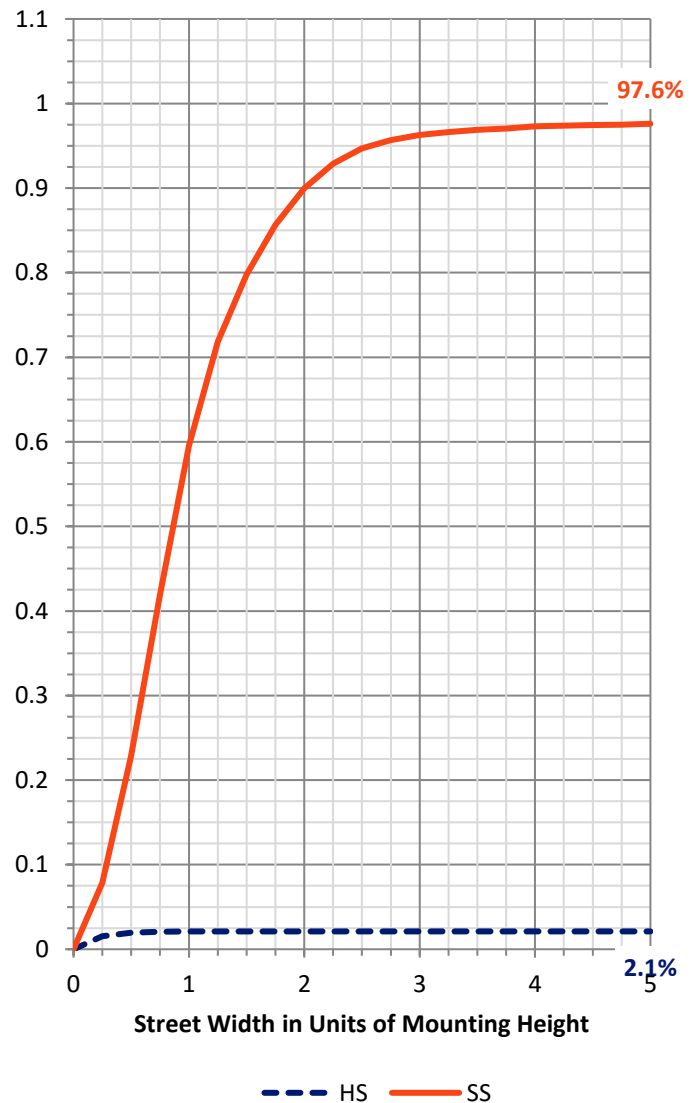
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.8	0.0	59.8
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	2756.4	0.0	2756.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	2816.2	0.0	2816.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.4
10°-20°	46.3	1.6
20°-30°	94.1	3.3
30°-40°	229.8	8.2
40°-50°	513.9	18.2
50°-60°	722.6	25.7
60°-70°	849.7	30.2
70°-80°	306.8	10.9
80°-90°	41.0	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°	2816.2	100.0
0°-180°	2816.2	100.0



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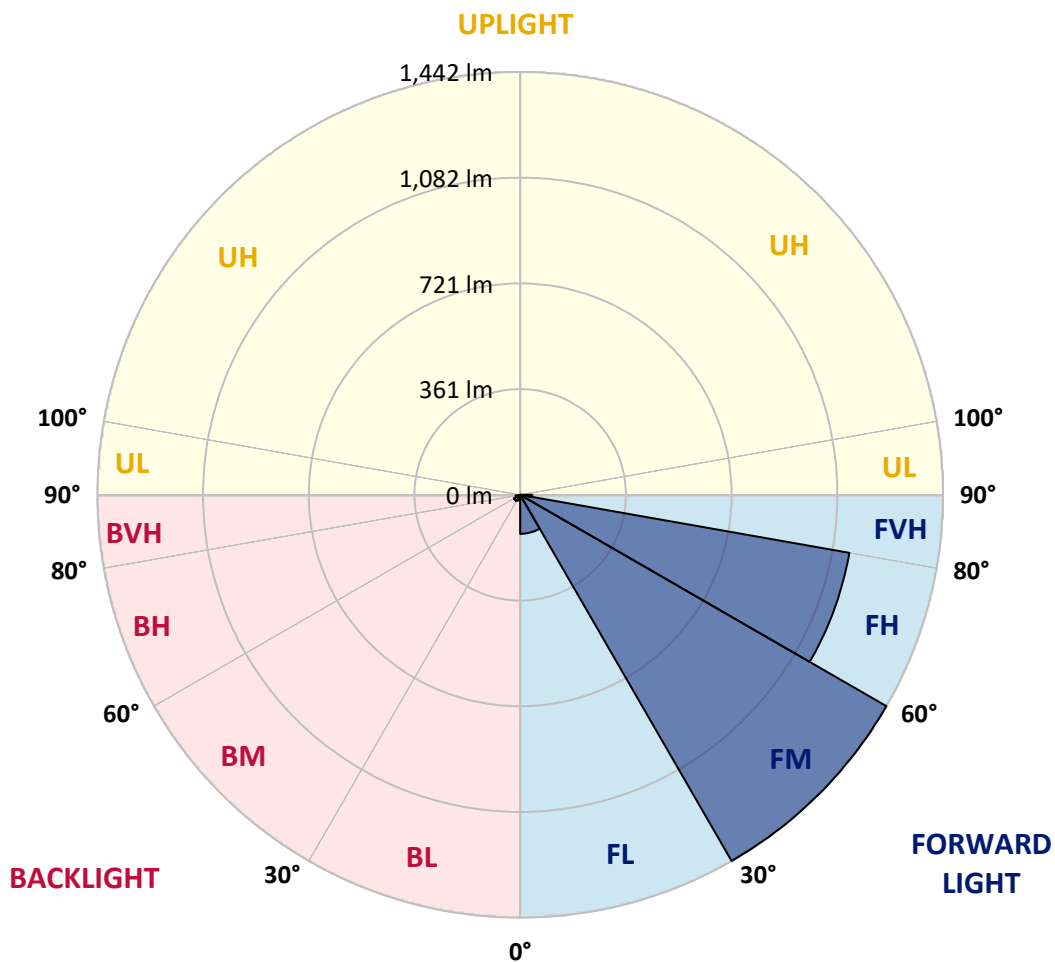
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.1	4.7			
FM (30°-60°)	1442.2	51.2			
FH (60°-80°)	1140.1	40.5			G1/1800
FVH (80°-90°)	40.9	1.5			G1/100
BL (0°-30°)	19.2	0.7	B0/110		
BM (30°-60°)	24.1	0.9	B0/220		
BH (60°-80°)	16.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	141.3	142.8	141.8	139.3	136.2	132.1	128.5	128.5	128.0	126.4	127.0
5°	185.3	185.9	183.8	177.7	172.0	163.3	153.6	152.6	151.5	150.0	149.5
7.5°	228.4	230.4	228.4	221.7	210.4	197.1	181.8	180.2	177.1	177.1	175.1
10°	272.4	272.4	270.3	262.6	252.4	233.5	214.0	211.4	207.8	206.8	203.7
12.5°	303.6	303.6	302.6	298.5	290.2	273.4	249.9	247.3	242.7	241.1	237.6
15°	315.9	315.9	316.4	320.0	320.5	312.8	288.2	286.1	281.6	277.5	275.9
17.5°	323.5	323.1	323.1	328.2	337.4	342.5	326.6	324.6	319.4	317.4	312.3
20°	340.5	339.4	336.4	336.4	345.0	363.0	363.0	362.4	356.8	355.3	352.7
22.5°	365.5	364.5	355.3	347.6	351.7	374.2	395.3	394.2	392.2	390.1	388.6
25°	406.5	402.9	387.1	364.5	360.9	385.0	419.8	422.3	423.9	423.9	424.9
27.5°	468.5	463.8	435.6	393.7	377.9	402.4	447.0	452.1	456.7	457.7	462.3
30°	554.4	546.2	505.8	444.4	408.0	428.0	486.9	492.5	499.2	501.2	508.4
32.5°	695.7	691.2	652.2	560.1	482.2	478.1	542.7	549.9	558.5	562.1	570.8
35°	910.8	911.8	880.1	797.1	689.6	633.3	642.5	648.7	651.7	662.5	667.1
37.5°	1056.7	1059.3	1066.4	1033.7	956.8	899.5	827.4	834.0	818.1	819.6	820.2
40°	1136.6	1144.8	1186.7	1218.4	1212.3	1179.1	1121.2	1124.8	1095.1	1088.4	1056.2
42.5°	1189.8	1200.6	1267.6	1365.9	1416.1	1446.2	1432.9	1431.5	1408.4	1399.7	1372.6
45°	1223.1	1232.8	1317.3	1462.1	1577.9	1665.9	1702.2	1706.3	1686.9	1678.1	1655.6
47.5°	1221.5	1232.8	1323.4	1498.0	1668.5	1809.2	1911.6	1916.8	1928.6	1920.8	1922.4
50°	1154.0	1164.7	1255.8	1437.0	1641.9	1874.8	2062.2	2078.5	2097.5	2110.2	2116.4
52.5°	1072.0	1079.7	1160.6	1332.7	1528.2	1847.6	2151.3	2179.4	2207.5	2231.6	2248.5
55°	1041.9	1050.5	1114.1	1256.8	1437.0	1734.0	2192.7	2234.2	2274.2	2313.5	2345.8
57.5°	1057.7	1065.9	1111.4	1221.0	1382.8	1614.2	2204.5	2269.0	2334.5	2398.5	2462.0
60°	1116.1	1124.8	1163.6	1254.3	1368.5	1545.1	2158.4	2265.4	2374.4	2486.1	2591.0
62.5°	1093.0	1096.6	1154.0	1312.7	1470.9	1486.2	1991.0	2140.5	2306.9	2478.9	2648.4
63°	1071.0	1075.1	1133.5	1296.8	1502.1	1477.5	1939.3	2096.9	2272.6	2457.9	2642.2
65°	971.2	971.7	1016.2	1145.2	1467.3	1492.8	1708.9	1859.5	2061.1	2283.4	2516.3
67.5°	724.9	721.3	764.4	862.6	1151.9	1493.4	1466.8	1551.3	1691.5	1888.6	2097.5
70°	257.0	251.4	321.0	457.2	717.8	1221.5	1260.5	1266.1	1304.9	1411.5	1542.5
72.5°	83.4	85.0	102.4	167.4	330.7	822.2	1141.1	1123.7	1113.5	1113.0	1130.4
75°	33.3	33.8	40.9	74.2	148.5	396.3	999.4	1009.0	1012.7	1017.8	1023.4
77.5°	15.9	17.4	23.1	41.5	73.8	196.1	715.2	797.6	844.7	881.1	903.1
80°	5.7	6.7	12.8	25.6	34.3	90.1	376.8	454.6	523.7	612.8	689.6
82.5°	0.0	0.0	2.6	18.0	19.0	36.4	154.6	181.2	207.4	268.7	345.0
85°	0.0	0.0	0.0	5.1	5.7	6.1	52.2	63.0	70.6	82.4	95.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	3.1	7.7	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	126.0	125.4	125.4	124.4	123.9	122.9	122.3	120.8	120.3	120.3	120.3
5°	149.0	147.0	145.9	143.3	141.8	141.3	138.7	137.7	136.2	136.7	134.1
7.5°	174.6	171.0	169.5	165.9	164.8	161.3	160.3	157.7	156.2	153.1	152.1
10°	202.7	198.1	195.5	190.0	188.4	185.9	182.8	179.7	177.1	174.0	172.6
12.5°	235.0	230.9	228.8	221.2	217.6	214.0	209.9	205.8	201.7	199.2	195.5
15°	272.8	266.2	264.2	257.0	250.9	246.2	240.7	235.5	232.5	227.4	223.7
17.5°	310.2	303.6	302.0	291.3	284.7	281.6	275.4	268.7	263.2	258.0	252.4
20°	347.6	343.0	338.9	328.7	321.5	316.4	308.2	301.6	296.9	289.8	282.6
22.5°	385.0	380.4	377.3	366.6	359.9	352.7	345.6	338.4	331.7	323.1	314.9
25°	423.4	420.3	418.8	409.0	402.9	396.3	389.1	380.9	372.7	363.0	354.2
27.5°	463.4	464.4	461.3	459.3	452.6	448.0	436.7	431.1	424.9	413.1	402.4
30°	514.0	517.1	516.1	517.6	513.5	510.4	501.7	494.5	487.4	476.1	463.8
32.5°	578.0	582.1	584.1	589.8	587.7	586.7	584.1	573.9	568.7	549.3	544.2
35°	676.8	674.8	683.4	688.1	686.1	685.0	682.0	676.3	670.1	656.3	643.5
37.5°	805.3	807.4	810.4	801.2	795.1	794.5	785.3	779.7	771.0	755.6	740.3
40°	1040.8	1028.0	1013.7	974.8	957.9	948.1	921.0	913.3	898.5	877.5	861.6
42.5°	1347.0	1334.1	1291.2	1226.1	1191.4	1143.2	1121.2	1094.1	1073.0	1038.8	1020.3
45°	1651.1	1614.2	1609.0	1533.3	1490.3	1426.8	1387.4	1341.9	1294.2	1249.2	1216.4
47.5°	1907.5	1899.4	1874.2	1828.2	1788.3	1735.0	1684.4	1614.2	1565.0	1501.0	1442.1
50°	2112.9	2112.3	2103.1	2076.5	2043.2	2000.2	1955.6	1896.3	1840.5	1762.2	1699.2
52.5°	2266.4	2274.6	2277.7	2269.5	2256.7	2218.8	2196.3	2146.6	2099.5	2032.9	1964.8
55°	2379.1	2409.2	2424.7	2442.1	2438.4	2425.1	2424.1	2391.8	2370.3	2317.6	2269.5
57.5°	2518.3	2568.0	2615.6	2700.0	2703.1	2732.9	2748.2	2763.6	2767.6	2746.6	2730.8
60°	2695.5	2796.9	2886.9	3063.6	3109.6	3182.3	3229.4	3280.6	3324.1	3327.7	3326.7
62.5°	2820.4	2976.5	3121.9	3384.0	3473.6	3557.6	3620.6	3670.3	3700.4	3731.2	3745.5
63°	2823.9	2994.9	3149.6	3419.8	3514.1	3594.0	3653.8	3699.9	3731.7	3750.1	3759.3
65°	2737.4	2944.8	3129.0	3398.3	3486.9	3567.3	3598.5	3628.8	3644.1	3651.3	3624.1
67.5°	2320.2	2522.9	2738.0	3039.0	3114.7	3211.0	3236.6	3251.9	3259.1	3257.6	3234.5
70°	1735.0	1905.0	2144.1	2488.1	2588.5	2682.6	2741.0	2766.1	2774.2	2771.7	2737.4
72.5°	1211.3	1311.1	1508.2	1891.2	2027.8	2148.7	2220.9	2258.2	2265.9	2250.5	2218.8
75°	1017.2	1022.3	1066.9	1276.3	1404.3	1533.3	1614.7	1638.2	1622.9	1576.3	1495.5
77.5°	908.2	919.4	919.4	950.7	975.8	1011.6	1019.3	962.0	895.4	809.4	739.8
80°	761.8	801.2	828.8	851.9	854.4	847.3	828.4	796.1	744.9	679.4	606.7
82.5°	462.8	540.7	572.4	691.2	749.5	788.9	785.9	742.9	703.9	635.8	573.9
85°	116.7	126.0	136.7	177.7	199.2	243.2	270.8	283.6	288.2	264.7	239.6
87.5°	11.3	7.7	12.8	9.8	13.9	10.2	13.9	12.8	15.9	16.9	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	119.3	118.8	118.2	117.8	117.2	116.7	115.7	115.7	114.7	114.1	113.7
5°	132.6	131.5	131.1	130.0	128.5	127.4	126.0	123.9	122.3	121.9	120.8
7.5°	149.5	147.0	145.9	144.4	142.3	139.3	137.2	135.6	133.1	131.5	128.5
10°	168.5	165.9	162.8	159.7	156.7	153.1	150.5	148.5	144.4	142.3	138.7
12.5°	192.5	187.9	184.3	180.2	176.1	172.0	168.9	162.8	159.3	154.6	151.5
15°	217.0	212.9	208.8	203.7	197.6	191.0	187.9	182.2	177.7	170.5	166.4
17.5°	246.8	239.1	232.9	226.8	221.2	215.0	208.8	200.2	193.5	187.3	179.2
20°	275.9	266.7	260.1	251.9	243.7	234.0	226.8	220.7	211.4	203.3	194.5
22.5°	307.2	298.0	287.2	279.0	267.7	260.1	250.3	240.1	230.9	220.2	209.4
25°	345.0	335.4	323.1	312.3	299.5	288.7	276.9	265.2	254.0	241.7	227.8
27.5°	391.6	381.4	368.1	355.3	338.4	325.1	313.9	298.0	283.6	268.3	252.4
30°	450.5	439.3	422.9	404.5	387.5	372.7	356.8	335.8	320.0	301.6	281.0
32.5°	527.4	514.0	492.0	474.6	453.6	434.1	412.1	391.2	368.7	344.6	321.0
35°	624.1	611.8	586.2	560.6	537.6	514.5	486.9	462.8	431.1	401.9	371.7
37.5°	724.4	702.4	678.9	651.2	622.5	594.9	561.1	527.8	491.4	459.7	421.9
40°	839.1	812.5	793.0	763.4	722.9	683.4	652.2	610.8	565.2	522.7	478.1
42.5°	996.3	966.6	931.7	886.7	857.5	811.4	771.0	721.9	662.0	614.3	560.6
45°	1178.1	1137.6	1103.8	1060.3	1024.9	967.6	920.5	855.0	795.1	732.7	667.1
47.5°	1385.3	1335.2	1286.1	1243.0	1186.7	1130.4	1070.5	1000.8	924.1	855.4	777.7
50°	1623.5	1552.3	1484.2	1428.8	1351.5	1286.5	1221.5	1143.2	1058.2	979.4	890.8
52.5°	1888.1	1805.7	1715.5	1630.6	1541.0	1457.5	1379.2	1289.1	1194.4	1098.1	999.4
55°	2207.5	2145.6	2039.6	1931.6	1811.8	1700.2	1599.4	1487.7	1372.6	1246.1	1142.1
57.5°	2707.7	2677.5	2588.9	2480.9	2324.8	2189.1	2018.2	1881.4	1714.5	1540.5	1406.3
60°	3385.6	3348.2	3298.5	3211.0	3087.1	2902.8	2714.4	2502.0	2248.0	2006.9	1778.1
62.5°	3747.0	3733.7	3693.2	3632.9	3517.1	3371.7	3181.8	2948.4	2661.7	2368.9	2077.0
63°	3757.8	3740.9	3706.1	3644.6	3542.7	3402.0	3215.6	2988.8	2708.3	2409.8	2111.8
65°	3612.4	3605.7	3570.3	3503.3	3433.7	3326.2	3181.8	2986.7	2751.3	2469.1	2172.8
67.5°	3203.8	3183.8	3129.6	3109.1	3060.5	2985.7	2875.6	2741.5	2573.1	2351.5	2095.5
70°	2709.8	2680.1	2612.0	2575.6	2516.3	2469.1	2402.1	2306.3	2202.4	2047.8	1856.8
72.5°	2186.1	2124.7	2062.2	1967.5	1884.5	1800.6	1726.3	1658.7	1544.6	1482.1	1337.2
75°	1419.6	1308.0	1201.0	1057.7	928.7	814.5	703.4	647.1	529.9	482.2	414.1
77.5°	673.8	611.3	527.4	462.3	379.4	309.8	252.9	190.0	149.0	116.7	89.1
80°	543.7	491.0	440.3	381.4	319.0	254.4	195.1	145.9	103.4	71.6	50.7
82.5°	484.8	427.4	365.0	324.6	282.0	230.9	189.4	154.6	114.1	83.4	56.8
85°	188.4	158.7	122.3	99.8	77.9	64.0	57.9	39.9	31.3	24.6	19.0
87.5°	16.4	13.3	10.8	7.2	7.7	4.1	4.7	3.1	2.6	2.6	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	113.1	112.7	112.1	111.1	111.1	110.0	109.6	109.0	106.5	100.8	96.3
5°	118.8	117.8	116.7	115.2	114.1	112.7	111.6	110.0	104.5	93.7	84.5
7.5°	127.0	124.9	123.3	120.3	118.8	116.7	115.2	112.7	103.4	87.1	74.2
10°	136.7	133.1	130.5	127.0	123.9	121.3	118.8	115.2	102.4	79.9	65.0
12.5°	148.5	144.4	139.3	135.2	131.1	127.4	123.9	119.3	100.8	73.8	57.9
15°	160.3	154.1	150.5	144.8	139.3	134.1	129.0	124.9	101.4	67.1	51.7
17.5°	173.6	167.4	159.7	153.6	147.4	140.7	134.6	126.4	98.8	62.0	47.1
20°	186.3	177.7	170.5	162.8	154.1	145.9	138.2	131.1	96.7	56.8	43.0
22.5°	200.2	190.0	180.7	171.0	160.3	151.1	141.8	132.6	93.2	52.2	39.4
25°	217.0	205.3	192.0	180.2	168.9	157.7	145.9	134.6	89.6	48.1	36.8
27.5°	237.6	222.2	208.8	194.0	178.1	163.8	151.1	138.7	86.0	45.0	34.3
30°	263.6	245.8	226.8	207.8	191.0	174.6	156.7	141.3	82.4	42.0	31.7
32.5°	298.5	275.9	252.9	230.9	208.4	187.3	168.5	148.5	80.4	39.4	29.2
35°	344.6	315.4	287.2	259.5	232.5	206.8	182.2	159.7	80.4	36.4	26.1
37.5°	388.1	354.2	318.4	284.1	251.9	222.2	193.0	165.9	76.3	33.8	23.5
40°	435.2	394.7	352.7	312.3	273.4	236.6	203.3	172.0	72.7	30.7	21.0
42.5°	507.4	456.2	401.4	354.2	307.7	262.1	220.7	183.8	68.1	27.6	18.4
45°	602.1	537.0	472.6	415.2	355.8	300.0	250.9	205.3	67.1	25.1	15.9
47.5°	703.4	626.6	550.9	477.7	408.0	343.0	284.1	229.4	67.1	22.5	13.9
50°	804.3	708.0	627.2	542.1	463.8	387.1	316.9	254.4	67.5	20.5	11.3
52.5°	895.4	792.5	701.9	603.6	517.1	428.0	351.7	279.0	66.5	18.0	9.2
55°	1021.9	901.0	796.1	687.5	586.2	485.9	399.4	315.9	67.1	15.9	7.7
57.5°	1254.8	1113.0	986.5	844.2	727.4	598.0	493.0	391.6	73.2	13.3	5.7
60°	1589.1	1404.8	1227.2	1053.6	905.1	751.1	614.9	495.5	86.0	10.8	4.1
62.5°	1813.9	1572.8	1360.8	1169.3	996.8	835.5	687.1	551.4	94.7	8.7	2.6
63°	1836.9	1587.5	1374.6	1177.0	1000.8	839.6	690.1	555.4	95.3	8.2	2.6
65°	1880.4	1613.2	1382.2	1178.5	996.8	834.0	688.1	555.0	96.3	6.7	2.0
67.5°	1830.8	1573.8	1337.8	1134.5	960.9	800.7	662.5	534.5	95.7	4.7	1.6
70°	1637.2	1424.3	1216.9	1027.5	869.8	724.9	603.1	487.4	88.1	3.1	1.0
72.5°	1202.1	1057.2	896.5	759.7	655.3	544.2	464.4	366.0	68.1	2.0	0.6
75°	356.3	324.6	272.8	240.7	212.5	175.6	156.2	121.9	34.8	1.0	0.0
77.5°	71.2	64.5	57.9	52.7	49.7	42.5	40.5	33.3	14.3	0.6	0.0
80°	37.4	30.7	26.1	23.1	20.0	16.4	13.9	11.3	2.6	0.0	0.0
82.5°	35.8	24.1	17.4	14.3	12.3	9.8	7.7	5.7	1.6	0.0	0.0
85°	13.3	10.2	7.7	6.1	5.1	4.7	3.6	3.1	0.0	0.0	0.0
87.5°	2.0	1.6	1.6	1.0	1.0	0.6	0.6	0.6	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



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CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	91.6	87.5	85.5	83.0	83.0	82.4	83.4
5°	76.3	70.6	66.5	63.4	64.0	62.4	63.0
7.5°	64.5	58.9	55.3	53.2	52.7	52.2	52.2
10°	55.8	50.7	47.6	46.0	45.6	45.6	45.6
12.5°	49.7	44.6	42.0	40.9	40.9	40.5	40.5
15°	44.6	40.5	37.9	36.8	36.8	36.4	36.8
17.5°	40.5	36.4	34.3	33.3	33.3	32.7	32.7
20°	36.8	33.3	31.3	29.7	29.7	29.2	29.7
22.5°	33.8	30.2	27.6	26.6	26.1	25.6	26.1
25°	30.7	27.2	24.6	23.1	22.5	22.5	22.0
27.5°	28.2	24.6	21.5	20.0	19.4	19.4	19.0
30°	25.6	21.5	18.4	16.9	16.4	16.4	16.4
32.5°	23.1	18.4	15.9	14.3	13.9	13.9	13.9
35°	20.5	15.9	13.3	11.8	11.3	11.3	11.3
37.5°	17.4	13.3	10.2	9.2	8.7	8.2	8.2
40°	14.9	10.2	7.7	6.7	5.7	5.7	5.7
42.5°	12.3	8.2	5.7	4.1	3.6	3.1	3.6
45°	10.2	6.1	3.6	2.0	1.6	1.6	1.6
47.5°	8.2	4.1	1.6	0.6	0.6	0.6	0.6
50°	6.1	2.6	0.6	0.0	0.0	0.6	0.6
52.5°	4.7	1.6	0.0	0.0	0.0	0.0	0.0
55°	2.6	0.6	0.0	0.0	0.0	0.0	0.0
57.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.6	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)