

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: P180582

Luminaire Tested: **ICM-F03-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180582
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-F03-LED-E1-SL3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3648.3 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

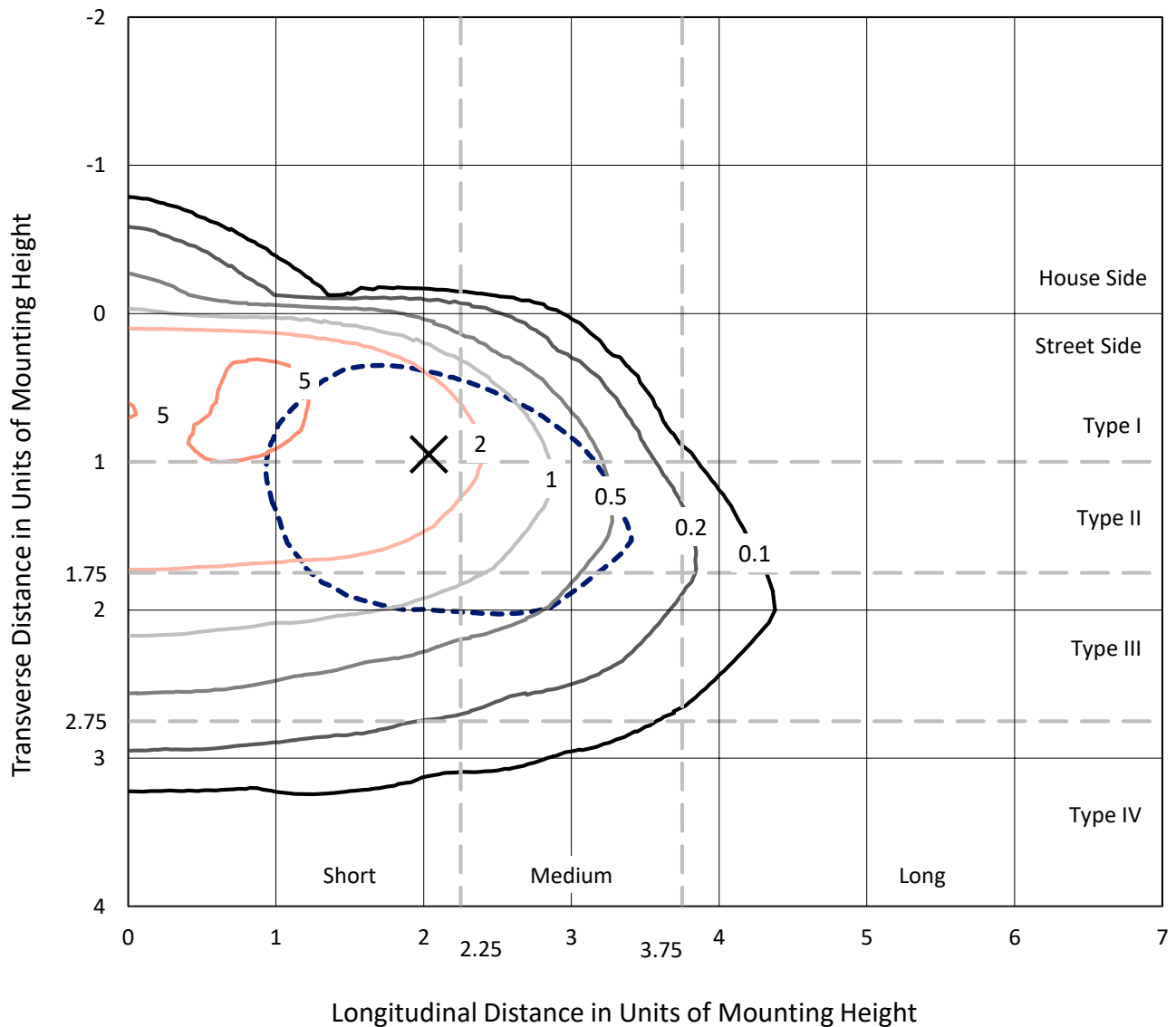
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180582
 CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

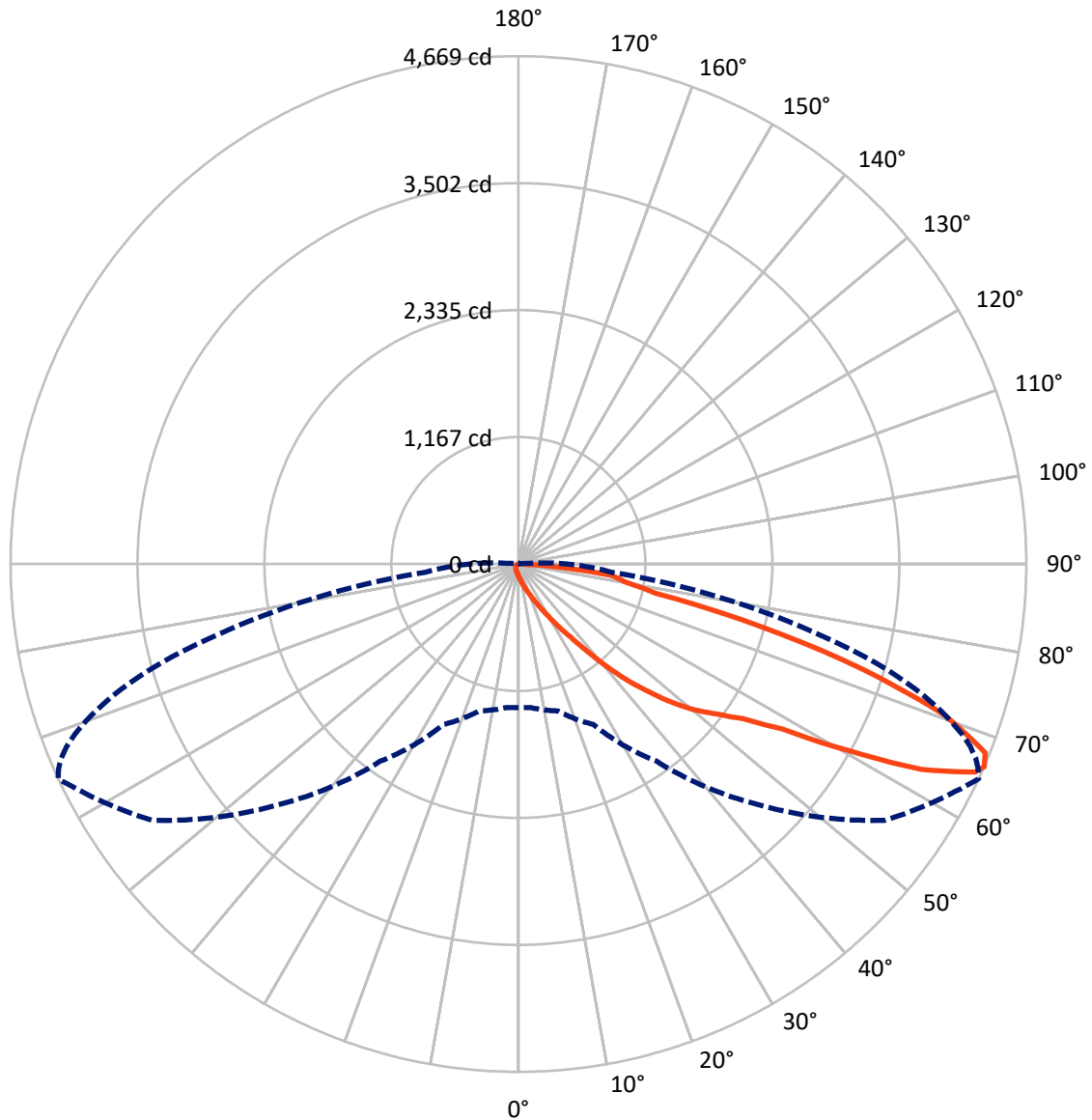


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P180582

CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180582

CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

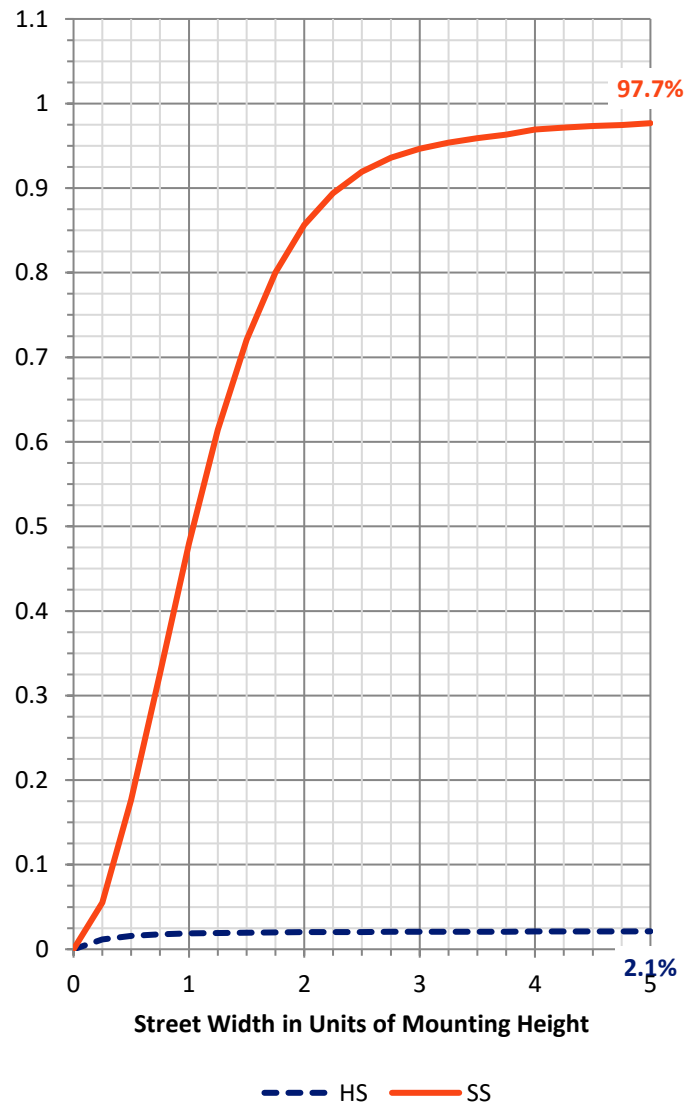
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	79.0	0.0	79.0
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	3569.2	0.0	3569.2
	% Fixture	97.8	0.0	97.8
Total	Lumens	3648.3	0.0	3648.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.3
10°-20°	52.3	1.4
20°-30°	112.7	3.1
30°-40°	240.8	6.6
40°-50°	532.4	14.6
50°-60°	902.3	24.7
60°-70°	1204.0	33.0
70°-80°	530.4	14.5
80°-90°	61.1	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°	3648.3	100.0
0°-180°	3648.3	100.0



REPORT NUMBER: P180582

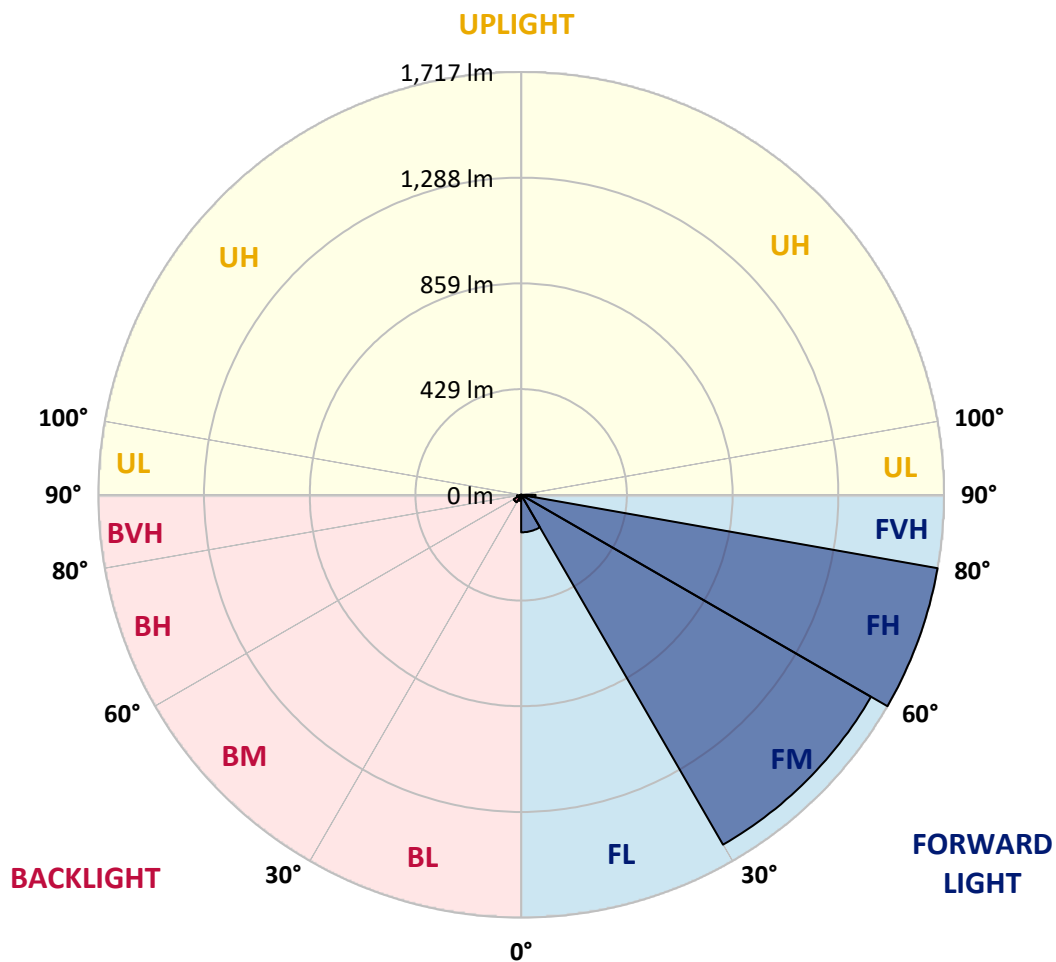
CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.4	4.2			
FM	(30°-60°)	1640.8	45.0			
FH	(60°-80°)	1717.4	47.1			G1/1800
FVH	(80°-90°)	58.7	1.6			G1/100
BL	(0°-30°)	24.9	0.7	B0/110		
BM	(30°-60°)	34.7	1.0	B0/220		
BH	(60°-80°)	17.0	0.5	B0/110		G0/110
BVH	(80°-90°)	2.4	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-G1

Type III Short





REPORT NUMBER: P180582

CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
2.5°	138.9	138.1	135.3	135.3	131.2	128.4	124.8	121.3	121.3	120.7	119.9
5°	183.7	179.5	178.9	171.2	164.8	155.7	147.3	136.1	134.7	133.3	132.6
7.5°	233.6	232.8	226.5	217.4	204.8	188.0	171.2	152.9	150.1	148.7	145.9
10°	298.0	294.6	286.1	270.7	251.8	229.4	202.0	173.2	169.8	167.0	165.5
12.5°	359.8	353.5	348.6	328.9	305.1	272.1	239.2	197.8	195.0	191.4	185.9
15°	417.3	411.7	403.3	386.5	359.8	318.4	279.8	229.4	222.3	217.4	213.2
17.5°	462.2	458.7	448.9	430.0	401.2	364.7	318.4	261.6	256.0	249.7	242.0
20°	505.0	500.1	484.7	458.7	427.8	399.8	364.0	303.7	296.0	288.3	279.8
22.5°	545.7	540.7	515.5	472.7	439.8	427.8	415.3	351.4	339.4	333.1	324.7
25°	602.5	592.0	552.7	484.7	440.5	449.6	471.4	413.1	401.9	392.7	379.4
27.5°	679.0	664.9	603.2	502.2	443.3	473.4	535.9	488.2	476.3	465.8	451.0
30°	765.2	756.1	682.4	544.3	463.6	508.5	608.1	583.5	569.5	556.9	539.4
32.5°	852.2	839.5	766.6	624.3	518.3	576.6	698.6	694.4	676.1	664.2	645.3
35°	928.7	922.3	868.3	755.4	643.2	695.8	819.3	824.1	808.0	795.4	774.3
37.5°	980.6	980.6	970.1	896.4	841.7	880.9	996.7	997.4	981.2	952.5	942.0
40°	1007.2	1014.9	1052.8	1066.8	1064.0	1114.5	1229.6	1216.9	1203.6	1188.8	1153.8
42.5°	1061.9	1068.9	1149.6	1246.3	1309.5	1376.1	1455.4	1451.2	1435.1	1408.4	1376.1
45°	1154.5	1163.6	1259.7	1413.3	1543.1	1637.8	1688.3	1668.7	1652.5	1627.3	1610.4
47.5°	1272.3	1289.9	1398.6	1588.7	1745.0	1901.5	1954.1	1902.2	1888.2	1868.5	1841.1
50°	1397.9	1414.7	1530.4	1747.9	1924.7	2111.2	2198.9	2111.2	2090.9	2084.6	2053.7
52.5°	1506.6	1520.7	1632.1	1870.6	2062.1	2280.9	2408.6	2292.9	2278.2	2257.1	2234.6
55°	1571.1	1582.3	1686.9	1929.5	2155.4	2433.9	2611.3	2509.6	2487.8	2479.5	2447.2
57.5°	1592.8	1604.1	1698.1	1937.2	2205.9	2573.4	2857.5	2860.9	2835.0	2804.9	2795.1
60°	1592.8	1605.5	1684.8	1918.3	2255.0	2722.1	3185.7	3478.3	3422.1	3416.5	3380.7
62.5°	1526.9	1538.9	1618.8	1860.1	2320.9	2922.7	3643.0	4159.3	4143.1	4106.6	4047.7
65°	1383.8	1390.9	1469.4	1711.4	2295.6	3107.2	4039.3	4612.4	4586.4	4514.9	4439.1
66°	1319.4	1324.9	1398.6	1626.5	2212.9	3132.4	4109.4	4669.1	4626.4	4566.1	4480.5
67.5°	1226.1	1235.8	1287.7	1468.8	2014.4	3044.8	4065.2	4629.2	4592.0	4519.1	4433.5
70°	818.5	811.5	994.6	1127.2	1534.6	2480.9	3647.3	4156.5	4157.1	4122.8	4088.4
72.5°	388.6	392.7	446.0	693.7	1004.4	1657.4	2903.1	3317.6	3365.3	3303.6	3260.8
75°	279.2	285.5	317.8	424.4	599.0	994.6	1881.9	2320.2	2321.6	2212.2	2114.7
77.5°	81.4	84.8	119.3	261.6	448.9	671.3	1080.8	1289.9	1259.7	1181.1	1107.5
80°	33.7	33.7	35.1	83.4	180.3	455.9	756.1	993.2	989.7	959.5	916.0
82.5°	12.7	13.3	16.8	34.3	42.8	112.2	504.3	862.1	859.9	817.1	786.2
85°	1.4	1.4	4.2	14.7	16.1	21.0	101.0	380.2	378.0	380.2	333.1
87.5°	0.0	0.0	0.7	1.4	2.1	2.8	4.2	14.7	16.1	15.4	14.0
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: P180582

CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
2.5°	119.9	118.5	118.5	117.9	117.9	117.9	117.1	116.5	116.5	115.7	115.1
5°	131.2	129.8	129.0	127.6	127.0	126.2	124.8	124.2	122.7	122.0	121.3
7.5°	144.5	141.7	141.0	138.9	136.7	135.3	134.0	131.9	130.4	127.6	127.0
10°	161.3	157.8	155.0	152.2	150.1	146.6	144.5	141.7	138.9	136.7	134.7
12.5°	183.1	178.1	174.0	171.2	166.2	162.0	157.8	155.7	150.1	147.3	143.8
15°	206.9	201.3	196.4	190.8	187.3	180.3	174.6	168.4	165.5	160.7	155.0
17.5°	237.8	228.7	220.9	215.4	208.3	201.3	195.0	188.7	180.3	174.6	167.6
20°	270.7	263.0	252.5	242.7	234.2	225.9	216.7	208.3	200.6	191.4	183.1
22.5°	312.8	301.6	288.9	279.2	267.9	258.8	246.2	235.0	222.3	210.4	200.6
25°	366.1	351.4	339.4	325.5	312.1	298.0	282.7	268.7	252.5	241.3	224.5
27.5°	432.1	418.0	401.9	383.6	370.3	349.3	328.9	311.4	292.5	275.0	256.0
30°	516.2	495.9	479.1	461.5	434.9	414.5	390.7	366.8	340.8	323.4	294.6
32.5°	617.2	595.4	570.2	545.0	520.5	491.6	462.2	432.7	404.0	371.7	342.2
35°	740.7	714.7	686.0	658.6	620.7	589.9	552.7	512.0	479.7	442.6	405.4
37.5°	904.1	861.3	836.1	807.3	756.1	714.1	672.7	631.9	575.2	535.9	483.3
40°	1108.9	1083.6	1042.2	996.0	949.7	894.2	838.1	784.2	718.2	663.5	602.5
42.5°	1349.5	1312.3	1270.2	1203.6	1156.6	1091.4	1027.5	956.0	875.4	805.2	733.7
45°	1575.4	1531.2	1498.9	1432.3	1383.2	1306.0	1228.8	1153.1	1059.8	969.3	886.5
47.5°	1819.5	1783.0	1729.6	1675.6	1625.9	1538.9	1455.4	1363.5	1265.3	1158.0	1050.7
50°	2034.1	2005.3	1968.8	1903.5	1848.2	1775.3	1677.0	1576.8	1452.6	1346.0	1223.9
52.5°	2216.4	2194.0	2142.8	2096.5	2046.7	1978.0	1890.2	1794.2	1660.2	1543.1	1404.2
55°	2431.7	2415.6	2370.7	2342.0	2297.8	2231.8	2149.8	2060.7	1919.0	1791.4	1634.2
57.5°	2784.6	2771.9	2732.7	2720.7	2677.2	2619.7	2518.7	2423.3	2257.8	2099.3	1919.7
60°	3368.8	3343.6	3286.1	3256.6	3164.7	3087.6	2956.4	2825.2	2625.3	2423.3	2207.3
62.5°	3994.4	3923.6	3814.2	3720.2	3589.7	3455.7	3280.4	3079.8	2845.6	2605.7	2357.4
65°	4331.8	4211.2	4073.0	3923.6	3754.5	3557.5	3336.5	3095.9	2844.1	2591.0	2328.7
66°	4370.4	4234.4	4087.7	3921.5	3733.5	3523.8	3299.4	3046.8	2785.2	2538.3	2276.0
67.5°	4322.0	4179.6	4024.6	3840.1	3636.8	3419.3	3183.6	2921.3	2669.5	2419.1	2163.8
70°	3983.2	3841.5	3703.4	3509.0	3292.3	3073.5	2850.4	2557.3	2318.8	2088.8	1861.5
72.5°	3180.9	3084.8	2947.9	2781.7	2570.6	2313.9	2128.0	1865.7	1658.8	1435.7	1259.7
75°	1987.7	1852.4	1683.4	1471.5	1310.2	1101.9	993.2	794.0	676.1	573.0	473.4
77.5°	1016.3	914.6	796.1	676.8	562.5	448.9	347.2	245.5	165.5	115.1	85.6
80°	839.5	749.8	651.6	542.9	441.9	343.0	246.9	168.4	107.3	70.1	54.7
82.5°	693.7	618.0	530.2	429.2	341.6	269.3	187.3	122.0	75.7	49.1	38.6
85°	295.3	267.9	206.9	164.1	123.4	91.2	63.8	42.8	30.1	24.6	22.4
87.5°	12.7	14.0	13.3	10.5	7.7	7.7	7.0	5.6	5.6	5.6	5.6
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: P180582

CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
2.5°	115.1	114.3	113.6	113.6	112.9	112.2	108.0	104.5	100.3	97.5	94.7
5°	119.9	119.3	117.9	117.1	115.7	115.1	106.0	98.2	91.9	87.0	83.4
7.5°	124.8	124.2	122.0	119.9	119.3	117.9	103.1	93.3	84.8	79.3	75.7
10°	131.2	129.0	127.0	124.2	122.0	119.9	100.3	87.6	78.5	73.7	70.1
12.5°	140.3	136.7	133.3	129.8	127.0	123.4	98.9	82.8	73.7	68.0	64.6
15°	150.8	145.9	141.7	137.5	132.6	129.0	96.1	78.5	69.4	63.8	59.6
17.5°	160.7	155.0	148.7	142.4	137.5	132.6	93.3	74.3	65.2	59.6	55.4
20°	174.6	166.2	158.5	150.8	143.8	137.5	89.1	70.1	61.8	55.4	51.2
22.5°	190.0	180.3	170.4	159.9	150.8	142.4	85.6	66.6	58.2	51.9	47.0
25°	209.7	197.8	184.5	171.2	160.7	149.4	82.0	63.2	54.7	48.4	43.4
27.5°	237.0	220.3	205.5	188.7	172.6	159.9	79.3	60.3	51.2	44.9	40.0
30°	274.2	249.7	226.5	208.3	189.4	171.2	76.5	56.8	48.4	41.4	35.8
32.5°	315.6	286.9	260.2	232.8	209.0	188.0	73.7	54.0	44.9	37.9	32.9
35°	366.8	330.3	294.6	263.0	234.2	206.2	70.9	51.2	42.0	34.3	29.5
37.5°	440.5	394.9	347.9	307.2	270.0	232.8	68.7	48.4	38.6	30.9	26.0
40°	541.5	482.5	425.0	369.7	321.2	275.0	66.0	45.6	35.8	28.1	23.2
42.5°	650.9	579.4	503.6	441.2	374.5	316.4	63.2	42.8	32.9	25.2	20.4
45°	787.0	697.9	606.1	521.1	439.8	364.7	60.3	40.0	29.5	22.4	17.5
47.5°	935.6	822.1	718.2	611.6	514.8	425.0	56.8	37.9	26.7	19.6	15.4
50°	1088.6	968.7	837.5	716.1	601.1	485.4	53.3	34.3	23.8	17.5	12.7
52.5°	1253.4	1111.7	977.8	827.0	692.9	564.7	49.8	31.5	21.8	15.4	10.5
55°	1463.1	1304.6	1147.4	978.4	817.1	656.5	46.3	28.1	19.0	13.3	8.4
57.5°	1726.8	1538.9	1346.0	1155.2	959.5	777.1	43.4	24.6	16.1	11.3	7.0
60°	1975.8	1756.3	1522.7	1303.2	1082.2	869.8	39.3	21.8	14.0	9.1	7.0
62.5°	2104.9	1854.5	1602.7	1360.7	1125.0	902.7	35.1	18.2	11.9	7.7	6.3
65°	2073.3	1818.1	1574.0	1329.9	1099.1	881.7	30.9	16.1	10.5	7.0	6.3
66°	2027.7	1775.3	1529.8	1297.6	1077.3	859.2	28.7	15.4	9.9	7.0	5.6
67.5°	1928.1	1684.0	1449.8	1233.8	1017.7	816.4	26.0	14.0	9.1	6.3	5.6
70°	1646.9	1425.2	1238.0	1045.8	869.8	688.1	21.0	11.9	7.7	5.6	5.6
72.5°	1090.0	939.2	814.3	700.7	585.7	454.5	17.5	9.9	6.3	5.6	4.9
75°	411.0	371.7	319.2	286.9	250.4	219.5	14.0	6.3	4.9	4.9	4.9
77.5°	72.9	67.3	59.6	54.7	50.5	46.3	11.3	4.2	4.2	4.9	4.9
80°	49.1	45.6	41.4	37.9	35.1	31.5	7.7	3.5	4.2	4.2	4.9
82.5°	35.1	32.9	30.9	28.1	26.0	23.2	4.9	3.5	4.2	4.2	4.2
85°	21.0	19.6	18.2	16.8	14.7	14.0	3.5	3.5	3.5	4.2	4.2
87.5°	5.6	4.9	5.6	5.6	4.2	4.9	2.8	2.8	2.8	3.5	3.5
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: P180582

CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	110.1	110.1	110.1	110.1	110.1
2.5°	93.3	93.3	91.9	94.0	94.0
5°	80.7	80.7	80.0	80.7	80.7
7.5°	73.7	72.9	72.9	72.9	73.7
10°	67.3	66.6	66.6	66.6	66.6
12.5°	61.8	61.0	60.3	61.0	61.0
15°	56.8	55.4	55.4	55.4	55.4
17.5°	52.6	51.2	50.5	50.5	50.5
20°	48.4	46.3	46.3	46.3	46.3
22.5°	44.2	42.0	42.0	42.0	42.0
25°	40.0	37.9	37.9	37.9	37.9
27.5°	36.5	34.3	34.3	34.3	34.3
30°	32.3	30.9	30.9	31.5	30.9
32.5°	29.5	27.3	27.3	28.1	28.1
35°	26.0	24.6	24.6	24.6	24.6
37.5°	22.4	21.0	21.0	21.0	21.0
40°	19.6	18.2	17.5	18.2	18.2
42.5°	16.8	15.4	14.7	14.7	14.7
45°	14.7	12.7	11.9	12.7	12.7
47.5°	11.9	10.5	10.5	11.3	11.3
50°	9.1	9.1	9.9	11.3	11.3
52.5°	8.4	8.4	9.9	11.3	11.3
55°	7.7	8.4	9.9	10.5	11.3
57.5°	7.0	8.4	9.9	10.5	10.5
60°	7.0	7.7	9.1	10.5	10.5
62.5°	6.3	7.0	8.4	9.9	9.9
65°	6.3	7.0	8.4	9.9	9.9
66°	6.3	7.0	8.4	9.9	9.9
67.5°	6.3	7.0	8.4	9.9	9.9
70°	6.3	7.0	8.4	9.1	9.1
72.5°	5.6	6.3	7.7	9.1	9.1
75°	5.6	6.3	7.7	9.1	9.1
77.5°	5.6	6.3	7.7	9.1	9.1
80°	5.6	6.3	7.7	8.4	9.1
82.5°	4.9	6.3	7.0	8.4	8.4
85°	4.9	5.6	7.0	7.7	8.4
87.5°	4.2	4.9	5.6	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)