

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: P181180

Luminaire Tested: **ICM-F04-LED-E1-T2-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181180
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F04-LED-E1-T2-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4151.4 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

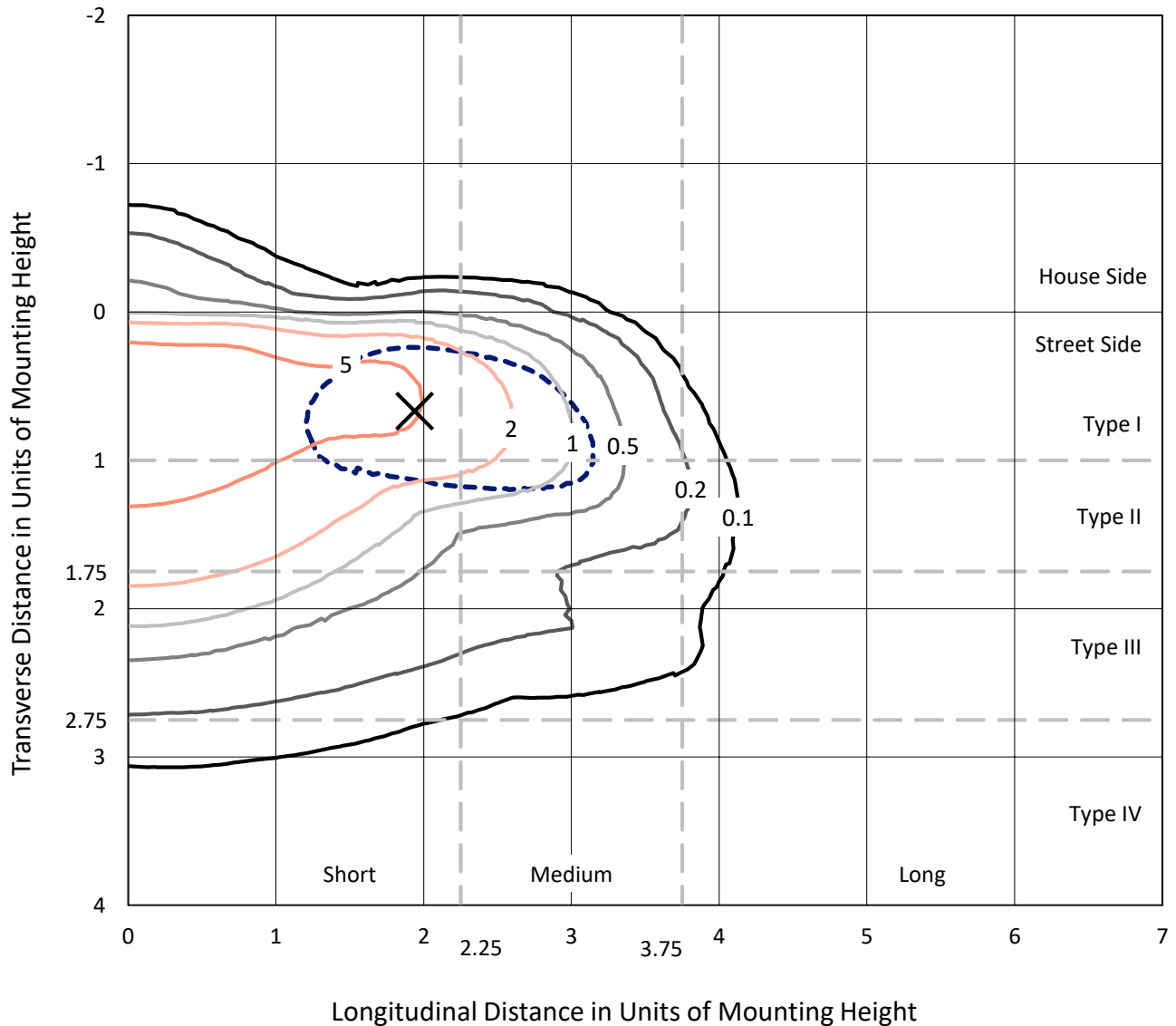
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

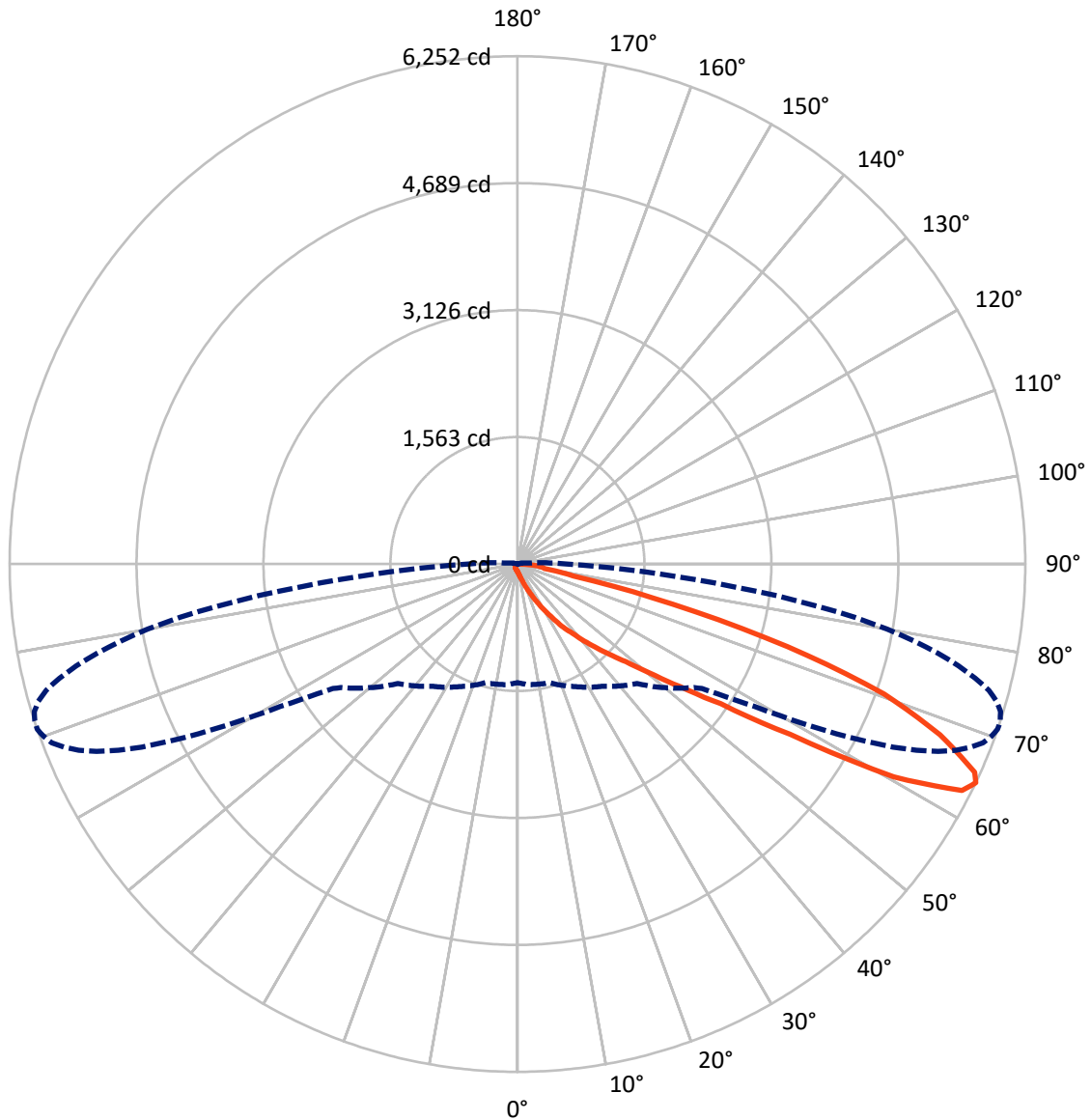
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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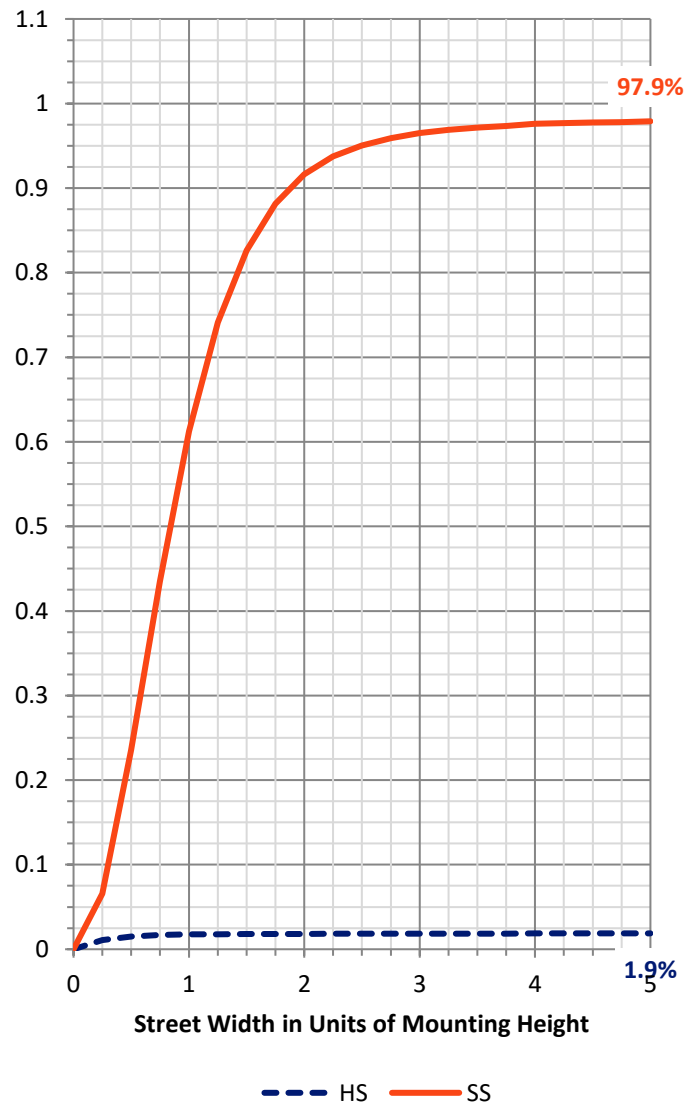
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	79.4	0.0	79.4
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4071.9	0.0	4071.9
	% Fixture	98.1	0.0	98.1
Total	Lumens	4151.4	0.0	4151.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.3
10°-20°	75.1	1.8
20°-30°	191.7	4.6
30°-40°	387.8	9.3
40°-50°	708.8	17.1
50°-60°	1104.4	26.6
60°-70°	1227.5	29.6
70°-80°	400.3	9.6
80°-90°	43.1	1.0
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°	4151.4	100.0
0°-180°	4151.4	100.0



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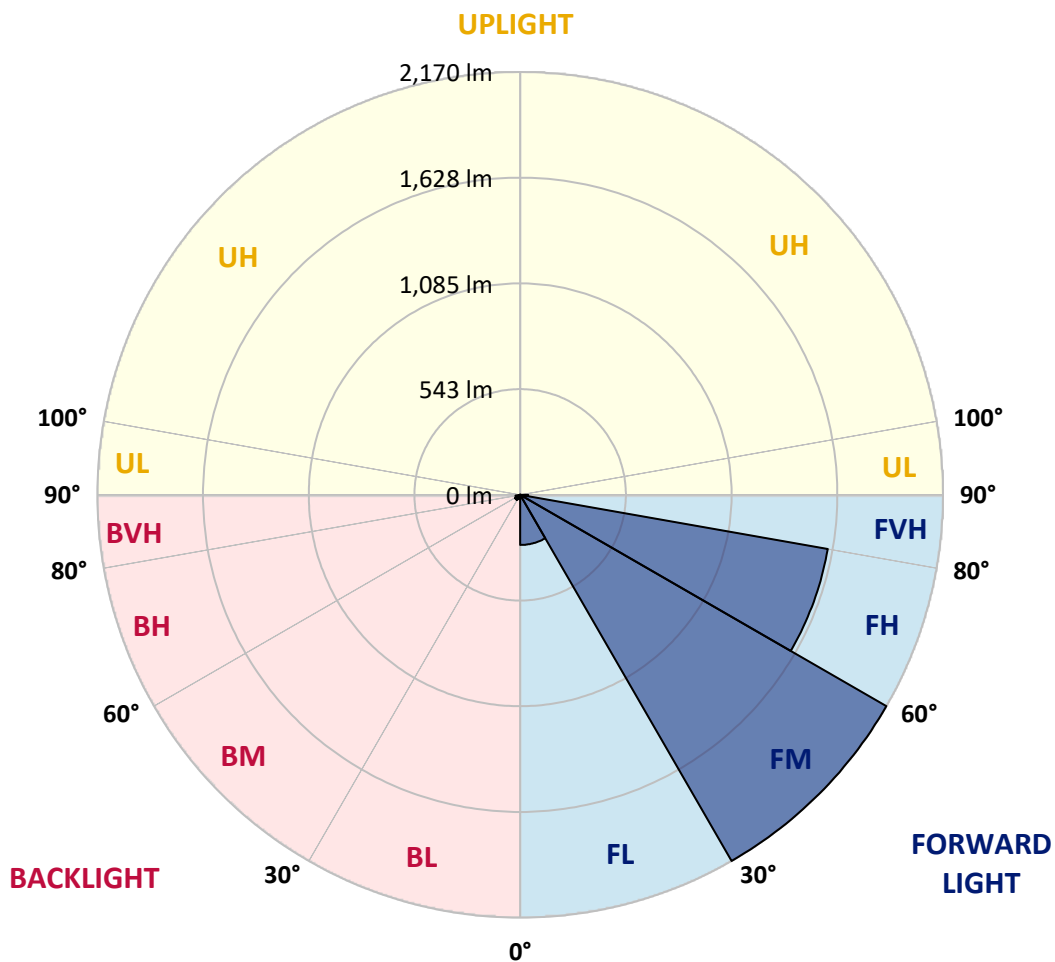
CATALOG NUMBER: ICM-F04-LED-E1-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.4	6.2			
FM	(30°-60°)	2170.3	52.3			
FH	(60°-80°)	1603.3	38.6			G1/1800
FVH	(80°-90°)	41.0	1.0			G1/100
BL	(0°-30°)	22.1	0.5	B0/110		
BM	(30°-60°)	30.7	0.7	B0/220		
BH	(60°-80°)	24.5	0.6	B0/110		G0/110
BVH	(80°-90°)	2.1	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°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	124.5	122.7	122.7	120.1	116.7	113.2	109.8	108.9	108.0	107.2	107.2
5°	195.3	188.4	185.8	176.3	164.2	149.5	136.6	133.1	133.1	130.5	128.7
7.5°	306.8	303.4	285.2	275.6	247.2	211.7	174.6	171.1	170.2	166.8	161.6
10°	449.4	442.4	429.5	401.9	350.0	288.7	235.9	227.3	221.2	214.3	207.4
12.5°	592.0	583.4	564.3	519.4	467.5	388.8	304.2	296.4	286.9	277.4	266.1
15°	734.5	728.5	699.1	654.1	586.8	492.6	385.4	371.6	363.8	344.8	336.2
17.5°	858.1	850.3	827.0	776.0	706.1	602.3	475.3	458.0	445.0	433.8	413.1
20°	965.3	957.5	935.1	892.7	814.1	712.1	572.1	563.4	540.1	522.8	510.7
22.5°	1031.0	1028.4	1013.7	973.0	903.1	812.3	682.7	668.8	653.3	630.0	616.2
25°	1071.5	1068.9	1060.4	1031.8	984.3	917.8	804.6	787.3	773.4	752.7	735.4
27.5°	1114.0	1112.2	1105.3	1080.2	1055.2	1013.7	928.1	918.6	888.4	876.3	859.8
30°	1183.9	1176.1	1182.1	1170.1	1138.1	1112.2	1052.6	1038.7	1025.8	1005.0	990.3
32.5°	1295.4	1282.4	1295.4	1282.4	1268.6	1237.5	1180.5	1176.1	1163.2	1150.2	1129.5
35°	1431.9	1426.7	1437.1	1448.4	1437.1	1395.6	1326.5	1313.6	1308.4	1287.6	1279.8
37.5°	1569.3	1578.8	1597.9	1622.9	1616.0	1585.8	1488.1	1476.0	1466.5	1448.4	1434.5
40°	1717.1	1718.0	1758.6	1794.9	1813.0	1794.9	1666.1	1656.7	1643.6	1617.8	1614.2
42.5°	1877.9	1870.9	1901.2	1941.8	1979.0	2004.0	1901.2	1883.0	1864.8	1835.5	1815.6
45°	2020.5	2020.5	2044.7	2082.6	2139.7	2202.8	2149.2	2130.2	2112.9	2088.7	2066.2
47.5°	2125.9	2126.7	2141.4	2196.8	2285.8	2379.9	2381.7	2385.1	2372.2	2343.6	2344.5
50°	2200.2	2190.7	2210.5	2264.1	2367.0	2514.7	2621.0	2627.1	2637.4	2614.2	2621.0
52.5°	2254.6	2250.3	2263.3	2308.2	2411.1	2591.6	2817.2	2843.1	2858.7	2862.2	2890.6
55°	2226.2	2228.7	2259.8	2324.7	2435.3	2642.6	2984.0	3026.3	3062.6	3093.8	3129.1
57.5°	2131.9	2139.7	2194.2	2295.3	2440.4	2684.1	3161.1	3226.0	3294.3	3377.2	3447.2
60°	1981.6	1999.7	2073.1	2214.9	2390.3	2629.7	3213.9	3313.2	3417.8	3543.9	3684.9
62.5°	1761.2	1764.7	1813.0	1950.4	2144.0	2340.2	2971.9	3098.9	3237.2	3419.6	3616.6
64°	1459.5	1490.7	1513.1	1664.4	1837.2	2081.8	2652.1	2740.3	2933.0	3156.9	3404.9
65°	1204.7	1241.8	1260.0	1411.2	1609.1	1842.4	2373.9	2468.1	2671.2	2898.4	3207.8
67.5°	710.3	685.3	738.0	827.0	992.9	1269.5	1601.3	1673.0	1824.3	2094.7	2341.9
70°	458.0	458.0	506.4	597.1	751.0	962.7	1100.1	1069.9	1101.9	1206.4	1380.9
72.5°	293.9	309.4	338.8	415.6	558.2	807.2	1124.3	981.7	907.4	872.8	871.1
75°	134.0	142.6	174.6	220.4	298.1	526.2	1133.8	1071.5	1003.3	937.6	886.6
77.5°	28.6	32.8	55.3	114.0	145.2	242.8	804.6	897.9	972.2	993.8	993.8
80°	14.7	15.5	23.3	53.6	62.2	82.1	310.2	407.9	503.0	628.3	759.6
82.5°	6.0	6.9	13.9	24.2	26.0	25.0	82.1	103.7	142.6	207.4	309.4
85°	1.8	1.8	6.0	9.5	13.9	11.3	18.1	20.7	26.8	38.9	74.3
87.5°	0.0	0.0	0.8	1.8	2.6	4.3	5.2	5.2	5.2	5.2	5.2
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°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	106.3	106.3	105.4	104.6	104.6	102.8	102.8	102.0	102.0	101.1	101.1
5°	127.9	126.1	124.5	121.9	121.0	119.3	117.5	115.8	114.0	113.2	111.4
7.5°	159.0	157.3	152.1	148.7	144.3	141.8	138.2	135.6	133.1	131.3	127.9
10°	200.5	194.4	191.8	179.7	177.1	171.1	166.0	162.4	155.5	151.3	146.9
12.5°	259.3	248.0	243.7	223.0	216.9	208.3	202.2	193.6	185.8	180.7	172.8
15°	325.8	317.1	300.7	280.0	268.7	259.3	244.6	237.7	227.3	216.0	204.8
17.5°	405.3	389.8	371.6	344.8	331.0	316.3	302.4	287.8	270.5	260.1	248.0
20°	497.8	481.3	458.9	425.2	408.7	394.0	369.9	359.5	338.8	318.0	302.4
22.5°	598.9	582.4	560.8	522.8	501.2	477.0	457.1	439.0	414.8	394.0	375.9
25°	712.9	694.0	677.5	633.4	606.6	581.6	560.0	528.0	507.3	483.1	458.0
27.5°	842.6	820.1	798.5	750.1	725.0	697.4	671.4	637.8	617.9	578.1	554.8
30°	975.6	948.0	925.5	876.3	853.8	825.3	789.9	759.6	725.9	699.1	661.1
32.5°	1115.6	1093.2	1075.1	1023.2	994.7	959.3	927.3	895.3	865.9	822.7	788.1
35°	1265.1	1245.3	1225.4	1180.5	1155.4	1128.6	1092.3	1053.4	1012.8	967.9	936.7
37.5°	1422.4	1406.9	1391.4	1336.8	1307.4	1279.0	1237.5	1198.6	1162.3	1114.8	1062.1
40°	1587.5	1572.8	1547.7	1502.8	1471.7	1445.8	1407.7	1371.5	1322.1	1269.5	1222.8
42.5°	1794.9	1762.9	1741.3	1692.0	1659.2	1630.7	1597.0	1542.5	1501.0	1438.0	1393.0
45°	2037.7	2007.5	1972.0	1922.0	1881.3	1834.6	1787.1	1750.0	1698.1	1641.0	1583.2
47.5°	2310.8	2286.6	2245.1	2195.8	2155.3	2108.6	2052.4	2004.8	1941.8	1875.3	1796.7
50°	2611.6	2586.4	2558.8	2503.6	2462.9	2418.8	2374.7	2318.6	2261.5	2182.1	2100.9
52.5°	2890.6	2895.8	2879.5	2853.5	2833.6	2787.8	2747.2	2693.6	2643.6	2570.9	2507.8
55°	3166.3	3211.3	3228.6	3253.6	3262.3	3225.1	3224.2	3145.6	3115.4	3073.0	3036.7
57.5°	3530.2	3629.5	3708.2	3860.3	3924.2	3989.0	4001.1	3945.8	4002.8	3929.4	3954.4
60°	3839.6	4021.9	4217.1	4610.4	4807.4	4956.0	5075.3	5163.5	5220.5	5317.2	5322.5
62.5°	3867.2	4154.1	4451.4	5025.1	5294.8	5520.3	5735.5	5885.9	6005.2	6114.9	6141.7
64°	3735.0	4090.2	4451.4	5145.3	5421.0	5671.6	5867.8	6017.2	6139.1	6207.4	6252.3
65°	3494.7	3892.2	4307.9	5065.8	5350.1	5616.2	5803.8	5954.2	6069.1	6137.3	6184.0
67.5°	2589.0	2973.6	3391.0	4273.3	4721.0	4964.7	5205.0	5415.8	5508.2	5594.6	5611.1
70°	1578.0	1857.1	2144.9	2963.3	3378.9	3817.0	4087.6	4396.0	4612.1	4745.1	4789.2
72.5°	952.3	1049.1	1221.0	1660.9	2059.4	2367.0	2741.1	3035.8	3277.8	3411.7	3479.2
75°	847.7	835.6	858.1	1041.3	1183.1	1368.0	1503.6	1688.6	1838.1	1884.8	1972.0
77.5°	980.0	945.4	910.0	875.4	868.5	851.2	823.5	830.5	764.7	701.7	703.4
80°	872.8	955.8	1005.0	968.8	886.6	803.7	701.7	574.7	449.4	371.6	338.8
82.5°	438.1	623.1	801.1	977.4	965.3	891.8	779.4	640.4	496.0	381.1	304.2
85°	134.8	239.4	337.0	468.4	543.5	533.2	468.4	455.4	324.9	253.2	195.3
87.5°	6.0	6.0	6.0	5.2	6.0	6.0	6.0	6.9	6.9	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



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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	101.1	100.3	99.3	98.5	98.5	98.5	97.7	97.7	96.7	96.7	95.9
5°	111.4	109.8	108.9	107.2	107.2	105.4	104.6	103.7	102.0	101.1	100.3
7.5°	125.3	123.5	121.0	118.4	117.5	115.0	112.4	110.6	108.9	107.2	105.4
10°	143.4	140.0	134.8	131.3	128.7	125.3	121.9	119.3	115.8	112.4	110.6
12.5°	166.8	159.9	154.7	148.7	143.4	138.2	132.2	128.7	125.3	120.1	116.7
15°	193.6	186.7	180.7	170.2	161.6	154.7	149.5	141.8	135.6	128.7	123.5
17.5°	239.4	221.2	209.1	198.8	190.1	177.1	166.8	158.1	150.3	141.8	135.6
20°	284.3	268.7	252.4	240.3	221.2	210.0	196.2	184.1	170.2	159.9	149.5
22.5°	350.0	330.1	309.4	291.3	265.3	249.8	231.6	216.0	198.8	181.5	170.2
25°	432.9	403.5	375.9	350.0	325.8	302.4	279.2	254.0	235.9	215.2	196.2
27.5°	520.2	487.4	460.6	426.9	395.8	367.3	337.9	311.1	280.0	253.2	230.7
30°	630.0	585.0	554.0	513.3	482.2	442.4	406.1	370.7	332.7	301.6	269.6
32.5°	741.5	711.3	658.5	623.9	577.3	529.8	491.7	451.1	404.5	363.8	324.9
35°	888.4	836.6	792.5	744.1	693.0	643.8	594.5	536.7	489.1	439.0	391.4
37.5°	1018.0	965.3	914.3	851.2	793.3	741.5	681.9	621.3	565.2	505.6	448.5
40°	1168.4	1102.7	1042.2	983.4	911.7	850.3	788.1	712.9	648.1	582.4	515.1
42.5°	1332.6	1266.1	1194.3	1126.9	1048.3	973.0	896.2	820.9	748.4	668.8	590.2
45°	1512.3	1442.3	1362.0	1285.0	1199.4	1116.5	1024.9	938.5	852.9	763.9	673.2
47.5°	1735.3	1645.4	1571.1	1475.2	1368.8	1281.6	1169.2	1070.7	973.0	869.4	767.4
50°	2023.9	1922.0	1814.8	1708.5	1591.0	1480.3	1355.9	1239.3	1108.8	992.9	876.3
52.5°	2406.7	2330.7	2206.2	2084.4	1940.9	1800.1	1628.9	1477.8	1310.1	1162.3	1019.7
55°	2950.3	2900.2	2792.1	2659.1	2533.8	2328.1	2131.1	1896.0	1678.2	1465.7	1265.1
57.5°	3934.5	3880.1	3760.0	3728.0	3535.4	3384.1	3153.4	2849.1	2480.2	2155.3	1831.2
60°	5351.8	5245.5	5128.0	5106.4	4880.0	4721.0	4491.9	4167.9	3820.5	3302.0	2860.4
62.5°	6143.4	6111.5	6016.4	5899.8	5703.6	5467.7	5210.1	4896.4	4543.8	4089.2	3563.8
64°	6249.7	6220.3	6138.3	6006.8	5809.8	5575.7	5290.5	4977.6	4624.2	4209.4	3729.8
65°	6183.2	6141.7	6071.7	5950.7	5767.5	5542.8	5255.9	4938.7	4580.1	4180.9	3735.0
67.5°	5646.5	5627.5	5563.6	5451.2	5336.3	5134.1	4881.7	4598.3	4305.3	3909.5	3543.9
70°	4794.4	4780.6	4699.4	4654.4	4464.3	4336.4	4132.5	3909.5	3650.3	3374.6	3063.5
72.5°	3554.3	3507.6	3442.0	3373.7	3245.0	3069.5	2910.5	2672.9	2538.9	2306.4	2131.1
75°	1884.8	1855.4	1753.4	1610.8	1451.8	1369.7	1204.7	1056.8	939.4	886.6	759.6
77.5°	651.6	593.7	536.7	472.7	375.1	295.5	235.9	188.4	148.7	131.3	109.8
80°	324.9	308.5	290.3	254.0	213.5	172.0	134.8	106.3	87.3	74.3	66.5
82.5°	263.5	233.3	208.3	182.3	146.0	120.1	95.1	77.8	63.9	56.2	49.3
85°	155.5	119.3	90.7	82.1	63.9	55.3	47.5	40.7	34.6	32.8	30.2
87.5°	6.0	7.8	7.8	6.0	7.8	6.9	6.9	6.0	6.0	6.0	6.0
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	95.9	95.1	95.1	94.2	93.3	93.3	93.3	92.5	90.7	87.3	84.7
5°	99.3	98.5	97.7	95.9	95.1	94.2	93.3	93.3	89.0	83.0	78.6
7.5°	103.7	102.0	100.3	98.5	97.7	95.9	94.2	93.3	87.3	79.5	75.2
10°	108.0	105.4	102.8	102.0	99.3	97.7	95.1	93.3	86.4	76.9	70.9
12.5°	113.2	109.8	106.3	103.7	100.3	98.5	95.9	93.3	84.7	74.3	67.4
15°	119.3	114.0	109.8	107.2	103.7	99.3	95.9	93.3	83.0	71.7	63.9
17.5°	127.1	121.0	115.8	110.6	105.4	101.1	97.7	94.2	80.4	68.3	59.6
20°	139.2	131.3	122.7	116.7	109.8	104.6	98.5	94.2	78.6	64.8	56.2
22.5°	155.5	143.4	134.0	123.5	115.0	108.0	101.1	95.9	76.1	61.4	51.8
25°	178.9	163.3	147.8	134.8	123.5	114.0	105.4	98.5	74.3	58.8	49.3
27.5°	204.8	186.7	166.0	150.3	134.8	121.0	111.4	102.8	74.3	57.0	46.7
30°	241.1	215.2	190.1	170.2	149.5	134.0	120.1	108.9	74.3	56.2	44.1
32.5°	285.2	255.8	223.8	195.3	171.1	148.7	131.3	116.7	76.1	54.4	42.3
35°	346.5	303.4	265.3	229.9	197.9	172.0	149.5	129.6	78.6	53.6	39.7
37.5°	394.9	343.1	294.7	254.0	216.9	184.9	156.4	134.8	76.1	50.1	37.1
40°	452.8	394.0	335.3	284.3	242.0	200.5	167.6	141.8	74.3	45.8	33.7
42.5°	522.8	449.4	381.1	323.2	270.5	221.2	182.3	150.3	74.3	43.2	31.1
45°	588.5	508.1	432.1	359.5	298.1	243.7	196.2	159.9	73.5	40.7	27.6
47.5°	669.8	574.7	485.7	401.9	331.0	264.5	210.9	168.6	72.6	38.0	25.0
50°	765.7	649.9	549.6	449.4	363.0	289.5	228.2	178.0	70.9	35.4	22.5
52.5°	871.9	747.5	619.6	503.8	402.7	316.3	244.6	186.7	68.3	32.8	19.9
55°	1060.4	889.2	738.0	594.5	463.2	356.0	268.7	199.6	65.7	30.2	17.3
57.5°	1512.3	1228.8	1014.5	798.5	610.1	457.1	334.4	236.7	62.2	26.8	13.9
60°	2374.7	1907.3	1543.5	1210.7	923.0	701.7	492.6	350.0	66.5	22.5	12.1
62.5°	3046.3	2508.7	2045.5	1628.1	1264.3	960.9	717.3	522.8	95.9	19.9	9.5
64°	3221.6	2677.2	2182.9	1745.6	1367.1	1054.3	800.2	591.1	123.5	19.9	8.7
65°	3247.6	2729.0	2232.2	1788.8	1402.5	1079.4	824.4	613.6	134.8	20.7	7.8
67.5°	3140.4	2698.8	2246.8	1807.0	1429.3	1114.0	857.2	649.0	152.1	19.9	6.0
70°	2742.9	2418.0	2046.3	1690.3	1348.1	1058.6	824.4	629.1	159.0	19.0	5.2
72.5°	1866.6	1642.8	1423.3	1171.0	938.5	773.4	601.5	443.4	111.4	15.5	4.3
75°	622.2	606.6	542.7	411.4	345.7	280.8	224.7	172.8	42.3	9.5	4.3
77.5°	103.7	89.0	77.8	74.3	62.2	60.5	52.7	42.3	18.1	6.0	4.3
80°	60.5	55.3	48.4	43.2	38.0	33.7	28.6	24.2	11.3	4.3	5.2
82.5°	44.9	39.7	35.4	31.1	26.8	23.3	19.9	16.5	6.0	4.3	5.2
85°	26.0	22.5	19.9	17.3	13.9	12.1	10.3	8.7	4.3	4.3	4.3
87.5°	5.2	5.2	4.3	4.3	4.3	4.3	4.3	3.4	4.3	4.3	3.4
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: P181180

CATALOG NUMBER: ICM-F04-LED-E1-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	83.0	80.4	79.5	79.5	79.5	79.5	79.5
5°	76.1	73.5	71.7	70.9	70.9	70.9	70.9
7.5°	70.9	67.4	65.7	63.9	63.9	63.1	63.1
10°	65.7	62.2	59.6	57.9	57.0	57.0	57.0
12.5°	61.4	57.9	54.4	52.7	52.7	51.8	51.8
15°	57.9	52.7	50.1	48.4	48.4	47.5	47.5
17.5°	53.6	49.3	46.7	44.9	44.1	44.1	44.1
20°	49.3	44.9	42.3	41.5	40.7	40.7	39.7
22.5°	45.8	41.5	38.9	38.0	37.1	37.1	36.3
25°	42.3	38.0	35.4	34.6	33.7	32.8	32.8
27.5°	39.7	35.4	32.8	31.1	30.2	29.4	29.4
30°	37.1	32.0	29.4	27.6	26.8	26.0	26.0
32.5°	34.6	29.4	26.0	24.2	23.3	22.5	22.5
35°	31.1	26.0	22.5	21.6	20.7	19.9	19.0
37.5°	28.6	22.5	19.9	18.1	17.3	16.5	16.5
40°	25.0	19.9	17.3	15.5	13.9	12.9	12.9
42.5°	22.5	17.3	14.7	12.1	11.3	10.3	10.3
45°	19.9	15.5	12.1	9.5	8.7	7.8	7.8
47.5°	17.3	12.9	9.5	7.8	6.9	6.0	6.0
50°	14.7	10.3	6.9	5.2	6.0	5.2	5.2
52.5°	12.9	7.8	5.2	5.2	5.2	5.2	5.2
55°	10.3	6.0	4.3	4.3	5.2	5.2	5.2
57.5°	8.7	4.3	3.4	4.3	4.3	4.3	4.3
60°	6.0	3.4	3.4	4.3	4.3	4.3	4.3
62.5°	5.2	3.4	3.4	3.4	4.3	4.3	4.3
64°	4.3	3.4	3.4	3.4	4.3	4.3	4.3
65°	4.3	3.4	3.4	3.4	4.3	4.3	4.3
67.5°	4.3	3.4	3.4	3.4	4.3	4.3	4.3
70°	3.4	3.4	3.4	3.4	4.3	4.3	4.3
72.5°	3.4	3.4	3.4	3.4	4.3	4.3	4.3
75°	3.4	3.4	3.4	3.4	4.3	4.3	4.3
77.5°	3.4	3.4	3.4	4.3	4.3	4.3	4.3
80°	3.4	3.4	3.4	4.3	4.3	4.3	4.3
82.5°	3.4	3.4	3.4	4.3	4.3	4.3	4.3
85°	3.4	3.4	3.4	4.3	4.3	4.3	4.3
87.5°	3.4	3.4	3.4	4.3	4.3	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)