

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: P181374

Luminaire Tested: **ICM-F06-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181374
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-T3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7511.9 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 156.5
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

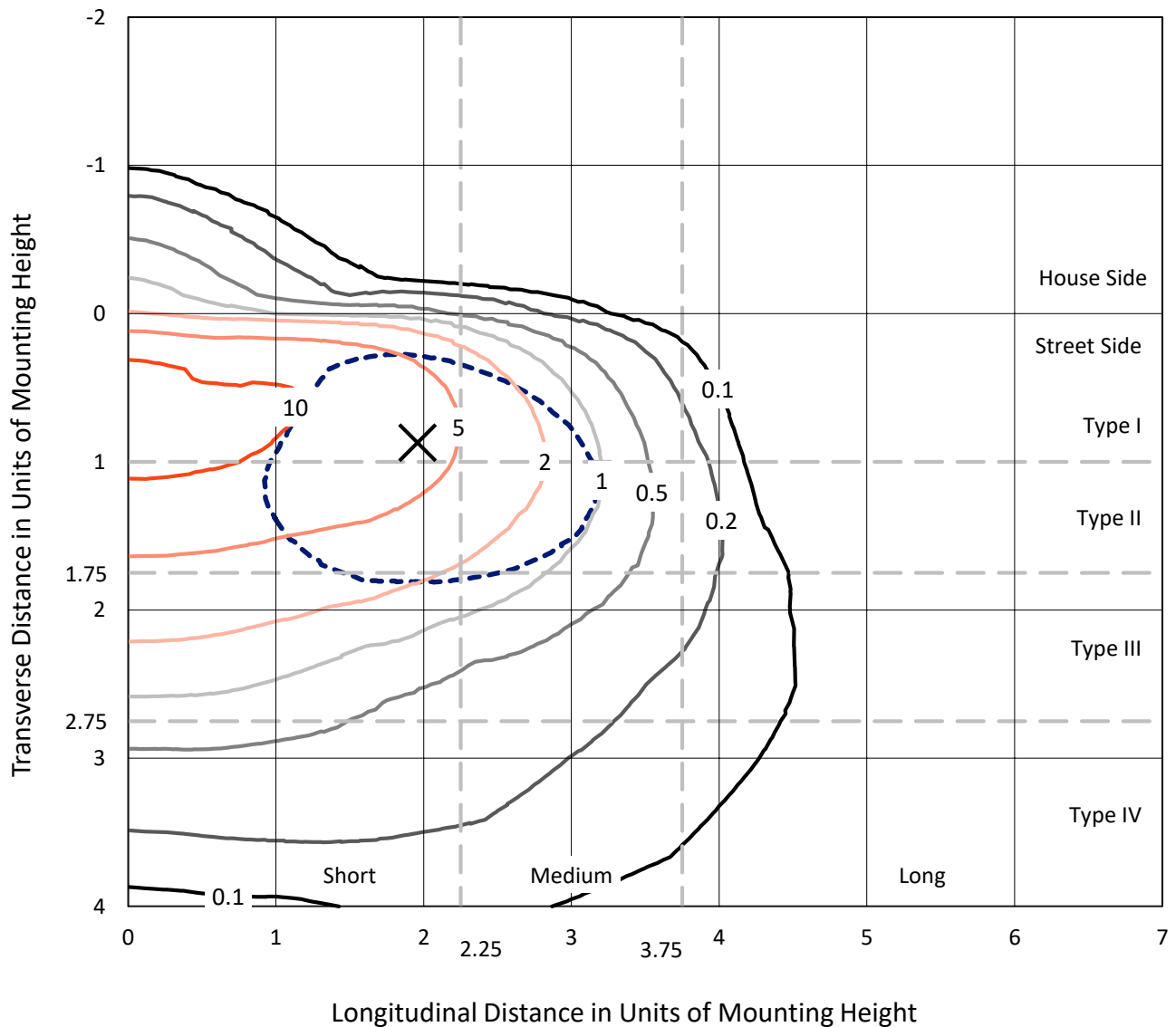


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

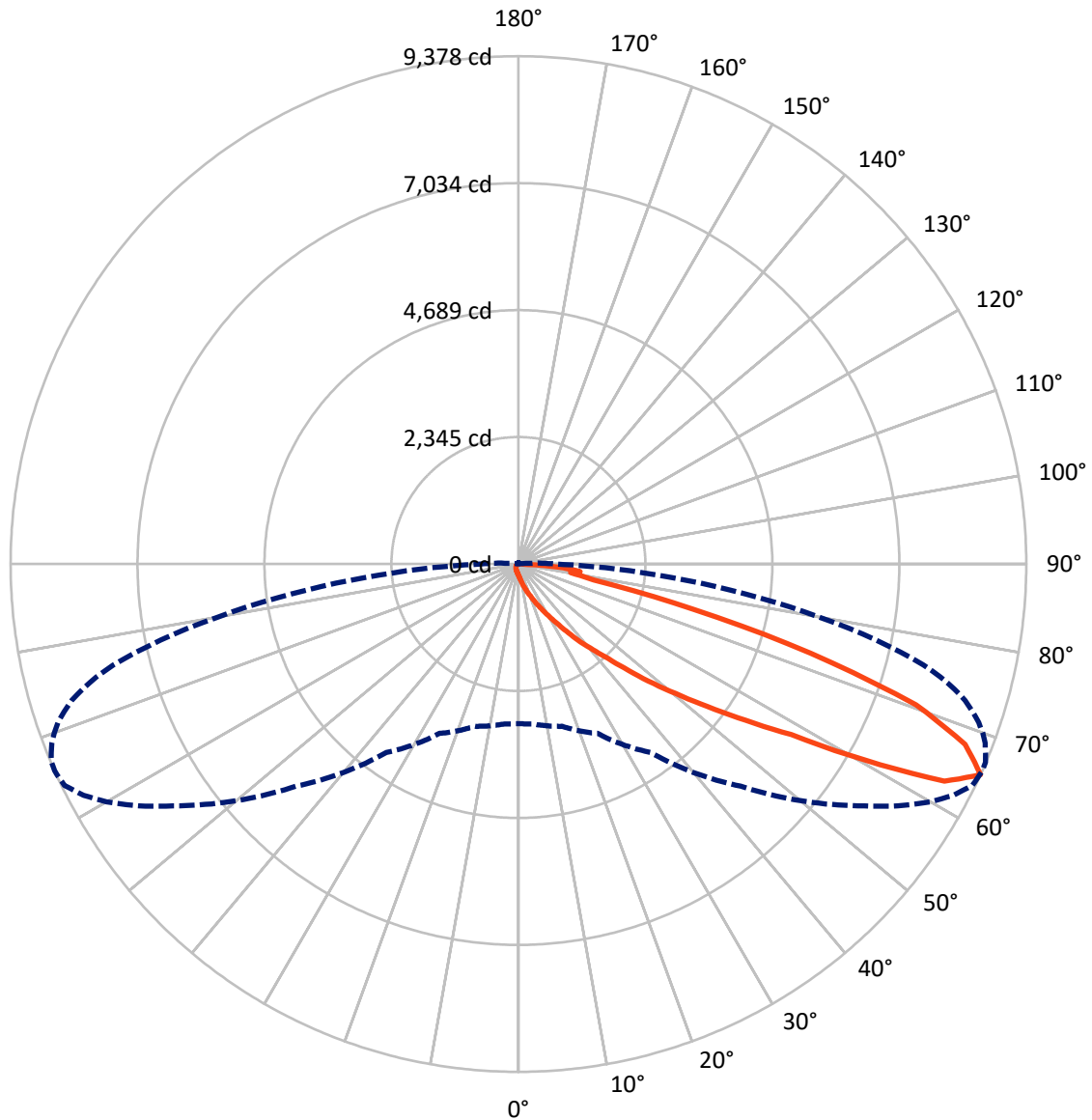


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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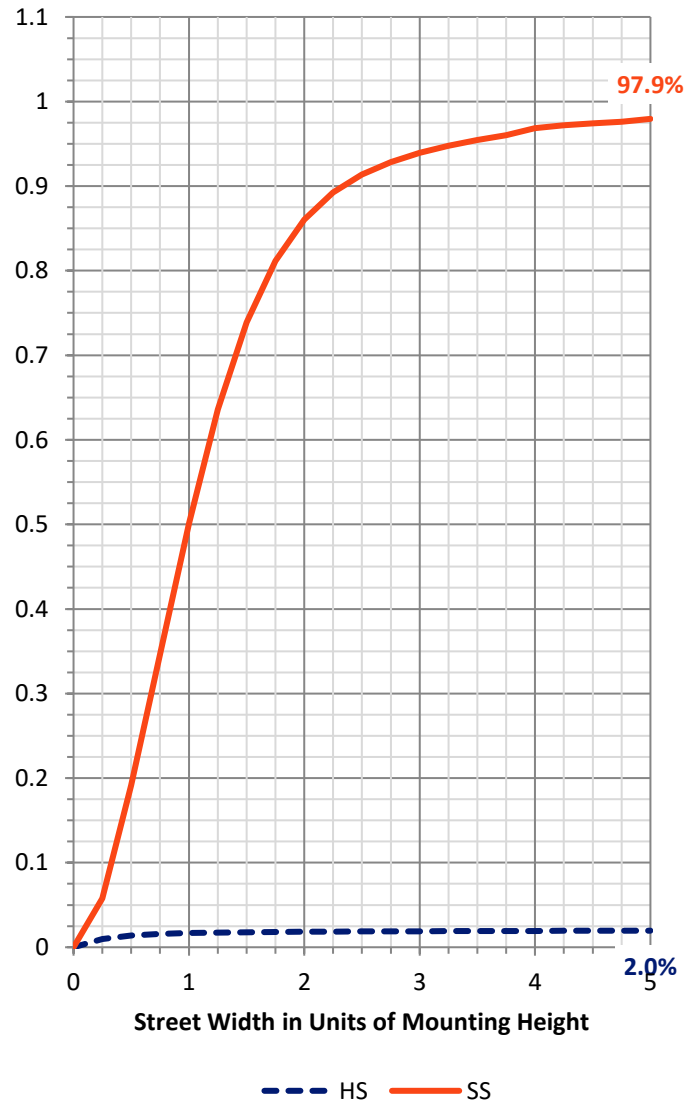
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	150.8	0.0	150.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	7361.0	0.0	7361.0
	% Fixture	98.0	0.0	98.0
Total	Lumens	7511.9	0.0	7511.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.3
10°-20°	122.1	1.6
20°-30°	279.0	3.7
30°-40°	530.8	7.1
40°-50°	1065.5	14.2
50°-60°	1885.2	25.1
60°-70°	2463.2	32.8
70°-80°	1012.8	13.5
80°-90°	127.6	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°	7511.9	100.0
0°-180°	7511.9	100.0



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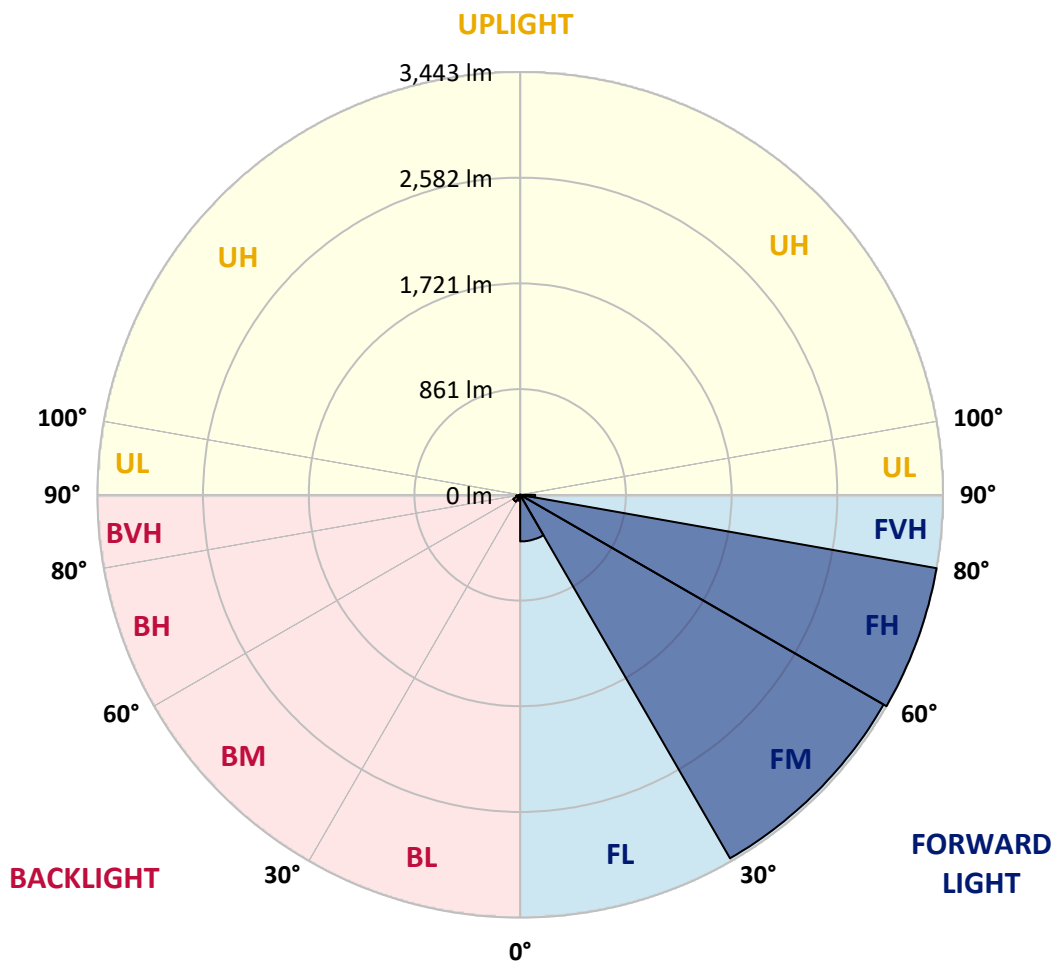
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.6	5.1			
FM	(30°-60°)	3417.0	45.5			
FH	(60°-80°)	3442.6	45.8			G2/5000
FVH	(80°-90°)	121.9	1.6			G2/225
BL	(0°-30°)	47.2	0.6	B0/110		
BM	(30°-60°)	64.6	0.9	B0/220		
BH	(60°-80°)	33.4	0.4	B0/110		G0/110
BVH	(80°-90°)	5.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	276.5	271.8	273.4	264.2	258.0	250.3	244.2	242.7	241.1	238.0	239.6
5°	397.8	393.2	382.4	364.0	347.1	321.0	294.9	293.4	288.7	284.1	281.0
7.5°	552.9	545.2	532.9	502.2	460.7	414.7	362.4	357.9	351.7	345.6	339.4
10°	732.7	728.0	704.9	669.7	606.7	531.4	443.9	439.3	425.4	417.8	411.6
12.5°	921.5	901.6	892.4	830.9	758.7	655.8	543.7	526.8	516.1	505.3	490.0
15°	1064.4	1067.4	1046.0	996.8	912.3	792.5	652.7	634.3	619.0	599.0	580.6
17.5°	1193.4	1187.3	1164.2	1133.5	1053.6	932.3	769.5	744.9	720.3	709.6	683.4
20°	1297.8	1294.7	1276.3	1247.2	1185.7	1068.9	892.4	872.4	844.7	826.3	797.1
22.5°	1380.8	1380.8	1370.0	1353.1	1293.2	1199.5	1022.9	1001.4	973.8	950.7	918.4
25°	1446.8	1445.2	1446.8	1439.1	1399.2	1313.1	1156.5	1131.9	1108.9	1081.2	1050.5
27.5°	1522.1	1525.1	1522.1	1517.4	1500.6	1431.5	1291.6	1274.8	1248.7	1219.4	1188.8
30°	1638.8	1629.6	1628.0	1624.9	1604.9	1562.0	1431.5	1411.5	1391.5	1371.5	1350.1
32.5°	1761.7	1746.2	1741.7	1741.7	1727.8	1689.5	1592.7	1582.0	1552.8	1537.4	1519.0
35°	1901.4	1895.3	1889.1	1890.6	1884.5	1844.6	1764.8	1767.8	1758.6	1727.8	1709.4
37.5°	2105.7	2107.2	2096.5	2076.5	2076.5	2041.1	1995.1	1988.9	1965.9	1958.2	1947.5
40°	2397.5	2389.8	2380.6	2351.5	2340.7	2280.8	2237.8	2222.4	2204.0	2202.4	2190.2
42.5°	2735.4	2726.2	2726.2	2704.7	2683.2	2611.0	2529.6	2518.8	2498.9	2505.0	2500.4
45°	3048.7	3056.4	3067.1	3082.5	3085.6	3054.8	2936.6	2922.7	2912.0	2905.9	2901.2
47.5°	3319.0	3332.9	3368.2	3434.2	3518.7	3529.4	3435.7	3398.9	3391.2	3380.5	3371.3
50°	3512.6	3532.5	3612.4	3741.4	3905.7	4007.1	3956.4	3925.7	3924.1	3895.0	3891.9
52.5°	3623.1	3644.6	3775.2	3970.3	4225.1	4423.3	4486.3	4484.8	4481.7	4455.6	4444.8
55°	3647.7	3670.7	3827.4	4093.0	4457.1	4799.6	5040.7	5046.8	5060.7	5053.1	5053.1
57.5°	3580.1	3609.3	3779.7	4108.5	4578.4	5097.5	5624.3	5659.7	5676.6	5736.5	5805.6
60°	3455.7	3477.2	3647.7	4014.7	4599.9	5369.4	6383.1	6495.2	6582.7	6701.0	6813.2
62.5°	3225.3	3268.3	3431.1	3830.4	4535.5	5682.7	7289.3	7496.6	7667.0	7846.7	8063.3
65°	2945.8	2964.2	3102.4	3451.1	4246.7	5802.5	7789.9	7992.7	8210.7	8402.7	8596.2
67.5°	2595.6	2611.0	2730.8	2879.7	3504.9	5241.9	7296.9	7521.2	7717.7	7876.0	8129.4
70°	1700.2	1734.0	2027.4	2174.8	2449.7	3875.0	5966.8	6183.4	6333.9	6441.4	6734.8
72.5°	1245.6	1267.1	1385.3	1689.5	1757.0	2290.0	4199.1	4434.1	4489.3	4692.1	4828.8
75°	760.3	814.1	1081.2	1446.8	1712.5	1568.1	2515.7	2629.4	2756.9	2904.3	3034.9
77.5°	153.6	175.1	353.2	996.8	1506.7	1675.6	1502.1	1523.5	1586.5	1600.4	1649.5
80°	24.6	26.1	46.0	430.0	872.4	1354.6	1502.1	1482.1	1446.8	1422.2	1397.7
82.5°	10.8	12.3	20.0	109.0	185.9	451.5	1299.4	1400.8	1517.4	1582.0	1598.8
85°	4.7	4.7	7.7	21.5	27.6	30.7	219.6	290.2	517.6	688.1	792.5
87.5°	3.1	3.1	4.7	4.7	6.1	7.7	10.8	10.8	12.3	13.9	20.0
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	239.6	238.0	238.0	233.5	233.5	231.9	231.9	230.4	230.4	227.4	228.8
5°	279.5	276.5	273.4	268.7	267.3	264.2	261.1	256.5	255.0	251.9	250.3
7.5°	333.3	330.2	324.1	314.9	308.7	302.6	296.5	290.2	285.7	281.0	278.0
10°	399.4	390.1	387.1	368.7	360.9	348.7	340.9	334.8	325.6	318.0	313.3
12.5°	479.2	471.5	456.2	431.5	419.3	408.6	394.7	382.4	373.2	359.4	350.1
15°	562.1	556.0	534.5	506.8	491.4	471.5	457.7	445.4	425.4	416.2	399.4
17.5°	666.6	648.1	626.6	586.7	566.7	549.9	525.3	506.8	494.5	466.9	451.5
20°	774.1	754.1	726.4	682.0	654.2	628.2	608.2	583.6	557.5	539.1	513.0
22.5°	896.9	864.7	843.2	787.9	755.6	728.0	694.2	668.1	642.0	612.8	583.6
25°	1027.5	995.3	969.1	906.1	872.4	844.7	804.8	767.9	735.7	703.4	669.7
27.5°	1164.2	1135.0	1105.9	1041.3	1012.1	973.8	936.8	893.9	852.4	823.3	777.1
30°	1322.4	1297.8	1265.6	1196.5	1164.2	1124.3	1085.9	1035.2	995.3	955.4	910.8
32.5°	1492.8	1472.9	1439.1	1377.7	1339.3	1305.5	1264.0	1214.9	1158.1	1116.6	1064.4
35°	1700.2	1666.4	1646.4	1588.1	1558.9	1522.1	1479.1	1436.0	1376.1	1317.8	1273.2
37.5°	1936.8	1921.4	1895.3	1840.0	1818.4	1780.1	1752.4	1709.4	1663.4	1589.6	1542.1
40°	2179.4	2168.7	2145.6	2090.3	2068.8	2042.7	2010.4	1968.9	1913.7	1875.3	1804.7
42.5°	2488.1	2471.2	2452.8	2400.6	2359.1	2326.8	2313.0	2277.7	2219.4	2170.2	2114.9
45°	2879.7	2872.1	2847.5	2795.3	2753.8	2732.3	2710.8	2650.9	2612.5	2563.4	2524.9
47.5°	3352.8	3328.2	3315.9	3257.6	3243.7	3226.9	3171.6	3137.8	3082.5	3044.1	2996.5
50°	3864.2	3838.2	3839.7	3769.0	3772.1	3759.8	3718.3	3678.4	3630.8	3597.0	3567.8
52.5°	4414.1	4426.4	4395.7	4417.1	4392.6	4365.0	4357.2	4308.1	4266.6	4265.1	4225.1
55°	5089.9	5069.9	5077.6	5099.1	5065.3	5096.0	5080.7	5017.7	5019.2	5031.5	4985.4
57.5°	5816.3	5845.5	5908.5	5922.3	5980.7	5940.8	6045.2	5969.9	6016.0	6016.0	5985.2
60°	6882.3	6998.9	7151.0	7269.3	7378.3	7343.0	7479.7	7393.7	7455.1	7402.9	7376.8
62.5°	8166.2	8321.4	8501.1	8693.0	8803.6	8831.2	8811.3	8849.6	8789.8	8751.4	8651.6
65°	8783.7	8937.3	9093.9	9324.2	9354.9	9378.0	9368.8	9304.3	9230.6	9121.5	8990.9
67.5°	8270.7	8485.7	8573.3	8838.9	8928.1	8895.8	8906.5	8823.6	8708.4	8600.9	8408.9
70°	6857.6	7103.4	7149.4	7530.4	7636.3	7789.9	7734.7	7710.1	7584.1	7493.5	7281.5
72.5°	4993.1	5185.1	5169.7	5598.3	5579.8	5642.8	5791.8	5785.6	5653.5	5624.3	5446.2
75°	3073.3	3188.5	3182.3	3486.4	3358.9	3340.5	3382.0	3363.6	3239.2	3110.2	2999.6
77.5°	1628.0	1680.2	1624.9	1534.3	1525.1	1422.2	1393.0	1391.5	1296.3	1179.5	1093.5
80°	1371.5	1317.8	1253.3	1121.2	1044.4	975.3	910.8	850.9	786.3	700.4	595.9
82.5°	1601.9	1575.8	1529.7	1363.8	1284.0	1145.8	1042.9	946.1	827.8	738.8	605.1
85°	780.2	778.7	815.5	798.6	769.5	763.4	662.0	640.5	592.8	543.7	454.6
87.5°	21.5	15.3	18.4	15.3	18.4	20.0	13.9	32.3	20.0	18.4	21.5
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°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	227.4	225.8	224.3	224.3	222.7	222.7	221.2	219.6	219.6	218.0	218.0
5°	247.3	244.2	242.7	241.1	238.0	236.6	233.5	231.9	228.8	227.4	224.3
7.5°	271.8	268.7	262.6	259.5	255.0	253.4	245.8	242.7	239.6	236.6	231.9
10°	302.6	294.9	288.7	282.6	274.9	268.7	262.6	258.0	251.9	244.2	241.1
12.5°	340.9	330.2	321.0	310.2	301.0	291.8	281.0	273.4	264.2	256.5	248.8
15°	384.0	368.7	356.3	340.9	325.6	314.9	304.1	293.4	281.0	270.3	261.1
17.5°	433.1	413.1	396.3	377.9	360.9	345.6	327.2	313.3	299.5	284.1	271.8
20°	485.3	465.4	442.3	422.3	397.8	380.9	357.9	339.4	319.4	304.1	287.2
22.5°	554.4	528.4	499.2	471.5	445.4	419.3	394.7	371.7	347.1	324.1	307.2
25°	635.8	603.6	566.7	539.1	502.2	473.0	442.3	413.1	387.1	357.9	330.2
27.5°	737.2	694.2	654.2	615.9	575.9	539.1	499.2	465.4	430.0	396.3	365.5
30°	855.4	814.1	754.1	711.1	671.2	620.5	580.6	536.0	496.1	447.0	413.1
32.5°	1012.1	958.4	895.4	838.6	786.3	729.5	674.2	617.4	565.2	520.7	470.0
35°	1216.4	1153.4	1078.1	1006.0	947.6	878.5	807.9	743.4	683.4	619.0	556.0
37.5°	1474.4	1416.1	1334.7	1247.2	1168.8	1085.9	1012.1	921.5	841.7	763.4	683.4
40°	1730.9	1677.1	1592.7	1499.0	1397.7	1302.4	1208.8	1105.9	1004.5	906.1	823.3
42.5°	2047.3	1967.5	1876.8	1770.9	1672.6	1558.9	1442.1	1323.9	1202.6	1084.3	966.1
45°	2445.1	2383.6	2256.2	2142.5	2025.8	1892.2	1747.8	1612.7	1457.5	1317.8	1161.1
47.5°	2928.9	2818.3	2724.7	2620.2	2474.2	2345.3	2160.9	2001.2	1807.7	1621.9	1434.5
50°	3500.2	3438.8	3314.4	3183.8	3025.7	2872.1	2692.4	2462.0	2230.1	2031.9	1775.5
52.5°	4168.3	4080.8	4002.4	3867.3	3706.1	3509.4	3305.2	3054.8	2770.7	2491.2	2217.8
55°	4960.9	4899.4	4824.1	4716.7	4510.8	4288.1	4042.4	3742.9	3406.5	3030.3	2712.4
57.5°	5983.8	5919.2	5847.0	5625.9	5486.2	5212.8	4856.4	4546.2	4183.7	3701.4	3306.7
60°	7379.9	7292.3	7190.9	7011.2	6719.4	6364.7	5982.2	5523.0	5079.1	4552.3	4034.7
62.5°	8573.3	8433.4	8216.9	7985.0	7634.8	7227.8	6747.1	6206.5	5701.2	5108.3	4532.3
65°	8818.9	8626.9	8372.1	8069.4	7708.5	7249.3	6747.1	6229.5	5635.1	5077.6	4498.5
67.5°	8180.1	7957.4	7696.2	7358.4	7014.3	6541.2	6108.1	5581.3	5022.3	4540.0	4022.4
70°	7129.5	6799.3	6532.0	6172.7	5824.0	5452.3	4996.2	4601.4	4146.8	3703.0	3306.7
72.5°	5354.1	5028.4	4785.8	4498.5	4291.2	3898.1	3563.2	3268.3	2999.6	2667.8	2374.4
75°	2885.9	2641.7	2478.9	2348.4	2162.5	1903.0	1743.2	1540.5	1426.8	1288.6	1155.0
77.5°	941.5	829.4	708.0	589.8	506.8	380.9	368.7	293.4	276.5	268.7	207.4
80°	482.2	371.7	268.7	193.5	147.4	130.5	124.4	118.2	112.1	107.5	99.8
82.5°	483.8	350.1	241.1	167.4	121.3	101.4	95.3	92.2	87.5	83.0	76.8
85°	353.2	261.1	179.7	122.9	84.5	67.5	64.5	59.9	56.8	55.3	49.1
87.5°	23.1	16.9	15.3	13.9	13.9	13.9	15.3	13.9	15.3	15.3	13.9
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°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	216.6	215.0	215.0	213.5	211.9	211.9	210.4	210.4	205.8	198.1	192.0
5°	222.7	219.6	218.0	216.6	215.0	211.9	210.4	208.8	201.2	185.9	173.6
7.5°	227.4	224.3	222.7	219.6	215.0	213.5	210.4	207.4	195.1	173.6	159.7
10°	235.0	230.4	225.8	221.2	216.6	213.5	208.8	205.8	187.3	162.8	149.0
12.5°	242.7	236.6	230.4	222.7	218.0	213.5	208.8	202.7	181.2	153.6	138.2
15°	251.9	242.7	235.0	227.4	219.6	213.5	205.8	201.2	175.1	145.9	132.1
17.5°	261.1	250.3	239.6	228.8	221.2	211.9	205.8	198.1	168.9	139.7	124.4
20°	271.8	256.5	245.8	233.5	222.7	211.9	202.7	195.1	162.8	132.1	116.7
22.5°	287.2	268.7	251.9	238.0	224.3	213.5	202.7	192.0	156.7	126.0	110.6
25°	307.2	284.1	264.2	247.3	230.4	216.6	204.3	193.5	152.1	121.3	102.9
27.5°	336.4	307.2	285.7	262.6	241.1	224.3	208.8	196.6	149.0	116.7	98.3
30°	371.7	342.5	308.7	281.0	258.0	235.0	218.0	199.6	145.9	112.1	92.2
32.5°	423.9	382.4	342.5	308.7	276.5	250.3	225.8	207.4	144.4	104.5	86.0
35°	499.2	442.3	394.7	350.1	305.7	273.4	244.2	219.6	142.8	98.3	79.9
37.5°	606.7	539.1	477.7	414.7	359.4	313.3	273.4	241.1	142.8	93.7	73.8
40°	721.9	634.3	556.0	477.7	407.0	348.7	294.9	255.0	139.7	87.5	67.5
42.5°	852.4	744.9	637.4	540.7	453.1	377.9	314.9	265.7	132.1	81.4	61.4
45°	1027.5	886.2	757.2	632.7	519.2	420.8	340.9	278.0	124.4	76.8	55.3
47.5°	1247.2	1082.8	915.4	758.7	609.8	485.3	379.4	298.0	119.8	70.6	50.7
50°	1574.2	1340.8	1119.6	920.0	731.1	568.3	436.2	327.2	115.2	66.0	46.0
52.5°	1933.7	1646.4	1386.9	1130.4	895.4	680.4	502.2	365.5	110.6	61.4	41.5
55°	2371.4	2018.2	1701.8	1368.5	1067.4	811.0	583.6	408.6	104.5	56.8	38.4
57.5°	2912.0	2465.0	2090.3	1683.4	1305.5	979.9	692.7	480.7	98.3	50.7	33.8
60°	3515.6	3010.3	2538.8	2061.1	1603.5	1204.1	854.0	583.6	92.2	44.6	29.2
62.5°	3950.3	3395.8	2856.8	2320.7	1818.4	1371.5	984.5	663.5	83.0	38.4	26.1
65°	3945.6	3383.6	2841.3	2313.0	1824.6	1377.7	989.1	678.9	73.8	33.8	23.1
67.5°	3515.6	3042.5	2558.7	2084.2	1657.2	1253.3	915.4	629.7	63.0	30.7	20.0
70°	2892.0	2515.7	2133.3	1757.0	1414.5	1073.6	791.0	548.3	53.8	27.6	16.9
72.5°	2111.8	1836.9	1603.5	1337.8	1104.3	847.8	631.3	430.0	43.0	23.1	15.3
75°	1049.0	938.4	804.8	721.9	615.9	503.7	391.6	250.3	35.3	18.4	13.9
77.5°	199.6	178.1	170.5	147.4	135.2	119.8	106.0	75.3	27.6	13.9	12.3
80°	92.2	84.5	76.8	69.1	61.4	52.2	46.0	39.9	21.5	10.8	13.9
82.5°	72.2	66.0	58.3	52.2	46.0	39.9	33.8	29.2	13.9	9.2	13.9
85°	47.6	41.5	36.8	32.3	27.6	24.6	21.5	18.4	9.2	9.2	9.2
87.5°	13.9	13.9	12.3	12.3	10.8	10.8	9.2	9.2	7.7	7.7	7.7
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-F06-LED-E1-T3-HSS

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	185.9	178.1	175.1	173.6	173.6	175.1	173.6
5°	164.4	156.7	153.6	150.5	150.5	150.5	152.1
7.5°	150.5	142.8	138.2	136.7	135.2	136.7	136.7
10°	138.2	132.1	126.0	122.9	122.9	122.9	122.9
12.5°	129.0	121.3	115.2	113.7	112.1	112.1	112.1
15°	121.3	112.1	107.5	104.5	102.9	102.9	104.5
17.5°	112.1	104.5	98.3	96.7	96.7	96.7	96.7
20°	106.0	96.7	92.2	89.1	89.1	89.1	89.1
22.5°	98.3	90.6	84.5	81.4	81.4	81.4	81.4
25°	92.2	84.5	78.3	75.3	75.3	75.3	75.3
27.5°	86.0	78.3	72.2	69.1	69.1	69.1	69.1
30°	79.9	72.2	66.0	63.0	63.0	63.0	63.0
32.5°	75.3	66.0	59.9	56.8	56.8	58.3	56.8
35°	67.5	59.9	53.8	50.7	50.7	50.7	50.7
37.5°	61.4	53.8	47.6	44.6	44.6	44.6	43.0
40°	56.8	47.6	41.5	38.4	36.8	36.8	36.8
42.5°	49.1	39.9	35.3	32.3	30.7	30.7	30.7
45°	44.6	35.3	29.2	26.1	26.1	26.1	26.1
47.5°	39.9	30.7	24.6	21.5	21.5	23.1	23.1
50°	35.3	26.1	20.0	20.0	20.0	21.5	21.5
52.5°	30.7	23.1	18.4	18.4	20.0	21.5	21.5
55°	27.6	20.0	16.9	18.4	20.0	21.5	21.5
57.5°	24.6	16.9	16.9	18.4	20.0	21.5	21.5
60°	21.5	15.3	15.3	16.9	20.0	21.5	21.5
62.5°	18.4	15.3	15.3	16.9	20.0	21.5	21.5
65°	16.9	15.3	15.3	16.9	20.0	21.5	21.5
67.5°	15.3	13.9	15.3	16.9	18.4	20.0	20.0
70°	13.9	13.9	15.3	16.9	18.4	20.0	20.0
72.5°	13.9	13.9	13.9	15.3	16.9	18.4	18.4
75°	13.9	13.9	13.9	15.3	16.9	18.4	18.4
77.5°	13.9	12.3	12.3	13.9	16.9	18.4	18.4
80°	13.9	12.3	12.3	13.9	15.3	18.4	18.4
82.5°	10.8	10.8	12.3	13.9	15.3	16.9	16.9
85°	9.2	10.8	10.8	12.3	13.9	16.9	16.9
87.5°	7.7	7.7	9.2	10.8	12.3	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)