

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: P181354

Luminaire Tested: **ICM-F04-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181354
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-F04-LED-E1-T3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5007.9 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

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

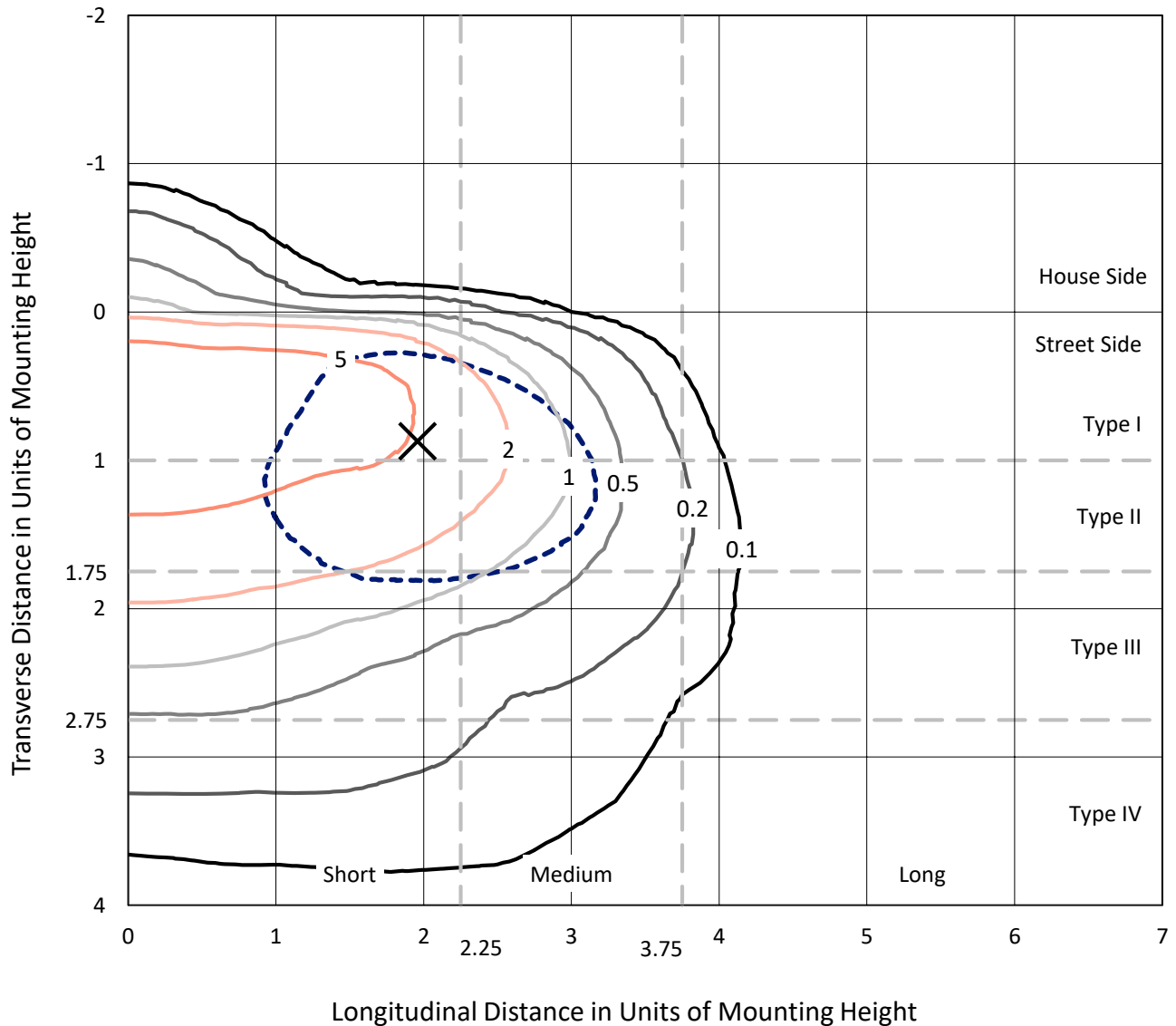


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

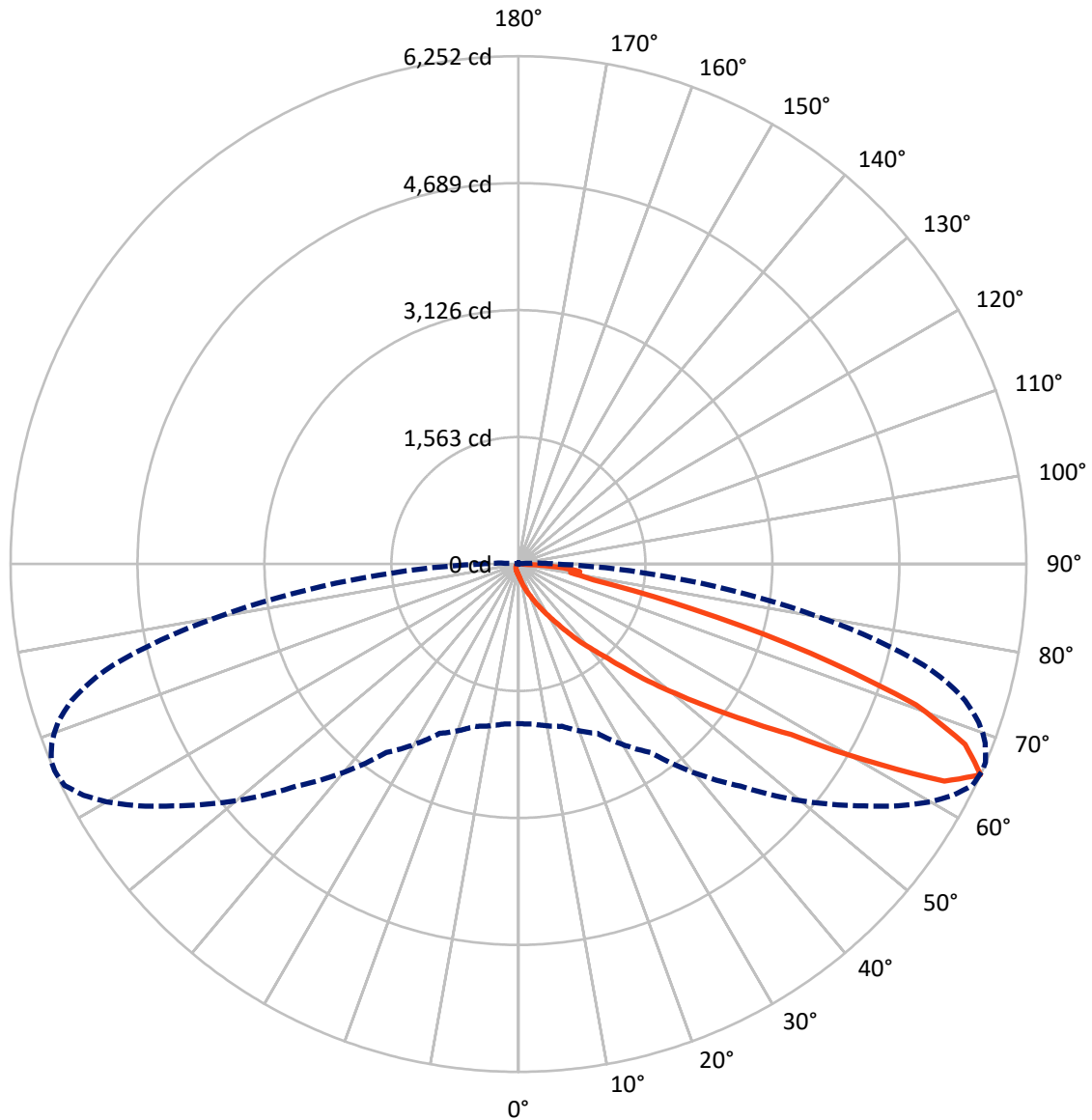


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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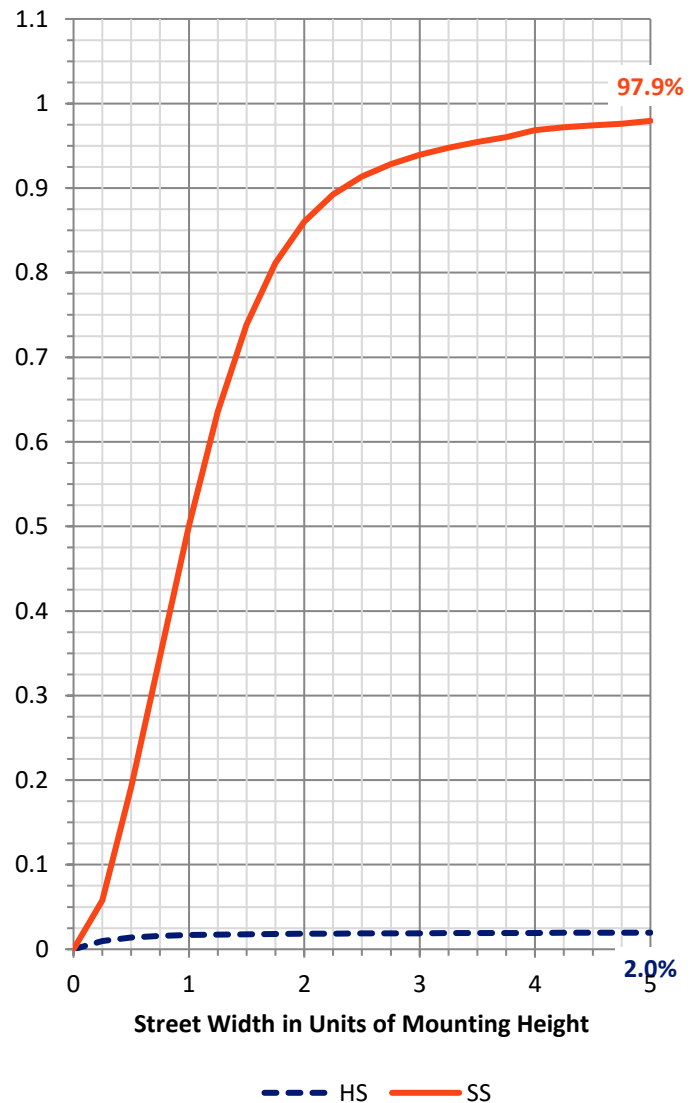
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	100.5	0.0	100.5
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	4907.4	0.0	4907.4
	% Fixture	98.0	0.0	98.0
Total	Lumens	5007.9	0.0	5007.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.3
10°-20°	81.4	1.6
20°-30°	186.0	3.7
30°-40°	353.9	7.1
40°-50°	710.3	14.2
50°-60°	1256.8	25.1
60°-70°	1642.1	32.8
70°-80°	675.2	13.5
80°-90°	85.1	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°	5007.9	100.0
0°-180°	5007.9	100.0



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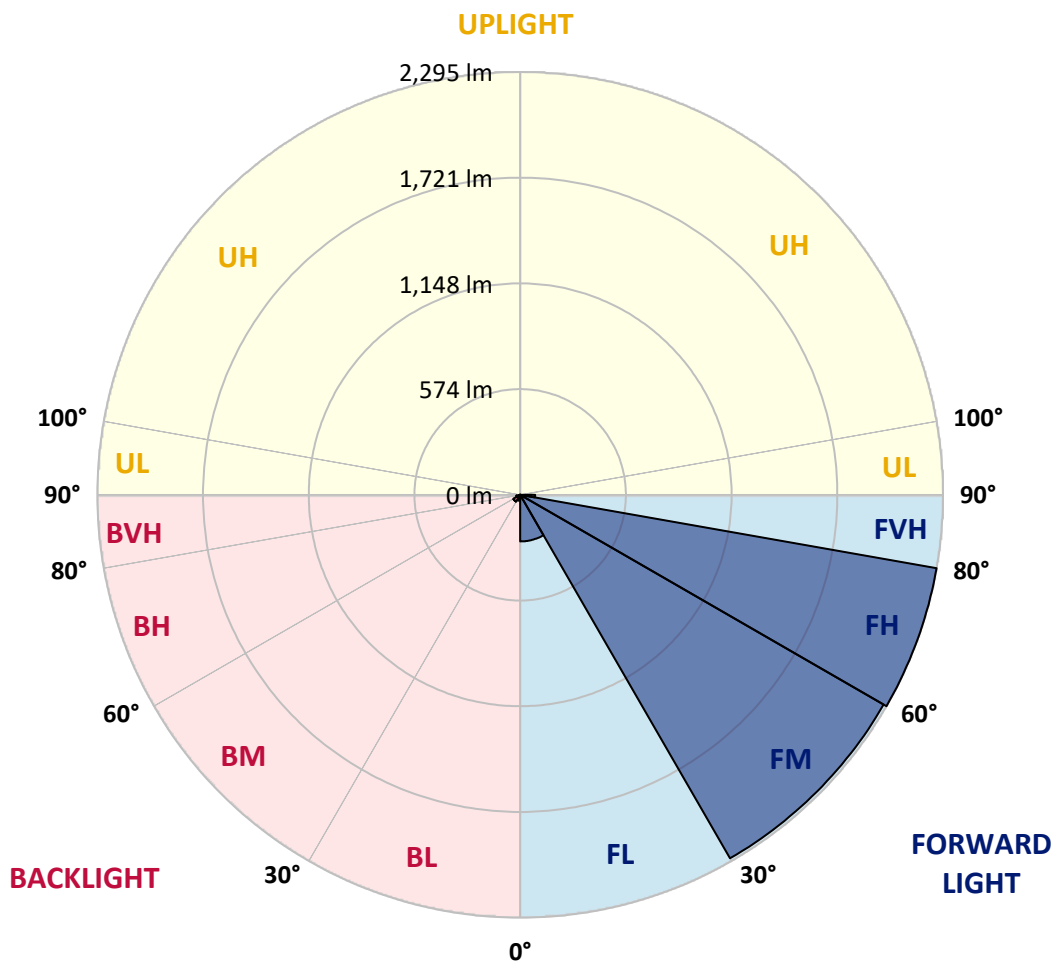
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.0	5.1			
FM	(30°-60°)	2278.0	45.5			
FH	(60°-80°)	2295.1	45.8			G2/5000
FVH	(80°-90°)	81.3	1.6			G1/100
BL	(0°-30°)	31.4	0.6	B0/110		
BM	(30°-60°)	43.0	0.9	B0/220		
BH	(60°-80°)	22.2	0.4	B0/110		G0/110
BVH	(80°-90°)	3.8	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°	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3
2.5°	184.3	181.2	182.2	176.1	172.0	166.9	162.8	161.8	160.7	158.7	159.7
5°	265.2	262.1	255.0	242.7	231.4	214.0	196.6	195.5	192.5	189.4	187.3
7.5°	368.7	363.4	355.3	334.8	307.2	276.5	241.7	238.6	234.5	230.4	226.3
10°	488.4	485.3	470.0	446.4	404.5	354.2	295.9	292.8	283.6	278.5	274.4
12.5°	614.3	601.0	594.9	554.0	505.8	437.2	362.4	351.2	344.0	336.8	326.6
15°	709.6	711.6	697.3	664.6	608.2	528.4	435.2	422.9	412.7	399.4	387.1
17.5°	795.5	791.4	776.1	755.6	702.4	621.5	513.0	496.6	480.2	473.0	455.6
20°	865.2	863.2	850.9	831.4	790.4	712.7	594.9	581.6	563.2	550.9	531.4
22.5°	920.5	920.5	913.3	902.1	862.1	799.6	682.0	667.6	649.1	633.8	612.3
25°	964.6	963.5	964.6	959.4	932.7	875.4	771.0	754.6	739.3	720.8	700.4
27.5°	1014.7	1016.8	1014.7	1011.6	1000.4	954.3	861.1	849.9	832.5	813.0	792.5
30°	1092.5	1086.3	1085.3	1083.3	1070.0	1041.3	954.3	940.9	927.6	914.3	900.0
32.5°	1174.4	1164.2	1161.1	1161.1	1151.9	1126.3	1061.8	1054.6	1035.2	1024.9	1012.7
35°	1267.6	1263.5	1259.4	1260.5	1256.4	1229.7	1176.5	1178.5	1172.4	1151.9	1139.6
37.5°	1403.8	1404.8	1397.7	1384.3	1384.3	1360.8	1330.1	1326.0	1310.6	1305.5	1298.3
40°	1598.3	1593.2	1587.1	1567.6	1560.5	1520.5	1491.8	1481.6	1469.3	1468.3	1460.1
42.5°	1823.5	1817.4	1817.4	1803.1	1788.8	1740.7	1686.4	1679.2	1665.9	1670.0	1666.9
45°	2032.5	2037.6	2044.8	2055.0	2057.0	2036.6	1957.7	1948.5	1941.3	1937.2	1934.2
47.5°	2212.7	2221.9	2245.4	2289.5	2345.8	2352.9	2290.5	2265.9	2260.8	2253.6	2247.5
50°	2341.7	2355.0	2408.2	2494.2	2603.8	2671.4	2637.6	2617.1	2616.1	2596.7	2594.6
52.5°	2415.5	2429.8	2516.8	2646.8	2816.8	2948.9	2990.8	2989.8	2987.7	2970.3	2963.2
55°	2431.8	2447.2	2551.6	2728.8	2971.4	3199.7	3360.5	3364.6	3373.8	3368.7	3368.7
57.5°	2386.7	2406.2	2519.8	2739.0	3052.3	3398.3	3749.6	3773.1	3784.4	3824.3	3870.3
60°	2303.8	2318.2	2431.8	2676.5	3066.6	3579.6	4255.4	4330.2	4388.5	4467.4	4542.1
62.5°	2150.2	2178.9	2287.5	2553.6	3023.6	3788.5	4859.5	4997.7	5111.4	5231.2	5375.6
65°	1963.8	1976.2	2068.3	2300.8	2831.1	3868.3	5193.2	5328.4	5473.8	5601.8	5730.8
67.5°	1730.4	1740.7	1820.5	1919.8	2336.6	3494.6	4864.6	5014.1	5145.1	5250.6	5419.6
70°	1133.5	1156.0	1351.5	1449.9	1633.1	2583.4	3977.9	4122.3	4222.6	4294.3	4489.9
72.5°	830.4	844.7	923.5	1126.3	1171.4	1526.6	2799.4	2956.0	2992.9	3128.0	3219.2
75°	506.8	542.7	720.8	964.6	1141.7	1045.4	1677.1	1752.9	1838.0	1936.2	2023.3
77.5°	102.4	116.7	235.5	664.6	1004.5	1117.1	1001.4	1015.7	1057.7	1066.9	1099.7
80°	16.4	17.4	30.7	286.7	581.6	903.1	1001.4	988.1	964.6	948.1	931.7
82.5°	7.2	8.2	13.3	72.7	123.9	301.0	866.2	933.8	1011.6	1054.6	1065.9
85°	3.1	3.1	5.1	14.3	18.4	20.5	146.4	193.5	345.0	458.7	528.4
87.5°	2.0	2.0	3.1	3.1	4.1	5.1	7.2	7.2	8.2	9.2	13.3
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°	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3
2.5°	159.7	158.7	158.7	155.6	155.6	154.6	154.6	153.6	153.6	151.5	152.6
5°	186.3	184.3	182.2	179.2	178.1	176.1	174.0	171.0	170.0	167.9	166.9
7.5°	222.2	220.2	216.0	209.9	205.8	201.7	197.6	193.5	190.4	187.3	185.3
10°	266.2	260.1	258.0	245.8	240.7	232.5	227.4	223.3	217.0	211.9	208.8
12.5°	319.4	314.3	304.1	287.7	279.5	272.4	263.2	255.0	248.8	239.6	233.5
15°	374.8	370.7	356.3	337.9	327.6	314.3	305.1	296.9	283.6	277.5	266.2
17.5°	444.4	432.1	417.8	391.2	377.9	366.6	350.1	337.9	329.7	311.3	301.0
20°	516.1	502.7	484.3	454.6	436.2	418.8	405.5	389.1	371.7	359.4	342.0
22.5°	598.0	576.5	562.1	525.3	503.7	485.3	462.8	445.4	428.0	408.6	389.1
25°	685.0	663.5	646.1	604.1	581.6	563.2	536.6	511.9	490.4	468.9	446.4
27.5°	776.1	756.7	737.2	694.2	674.8	649.1	624.6	595.9	568.3	548.8	518.1
30°	881.6	865.2	843.7	797.6	776.1	749.5	723.9	690.1	663.5	636.8	607.2
32.5°	995.3	982.0	959.4	918.4	892.8	870.3	842.7	810.0	772.0	744.4	709.6
35°	1133.5	1111.0	1097.7	1058.7	1039.3	1014.7	986.1	957.4	917.4	878.5	848.8
37.5°	1291.2	1280.9	1263.5	1226.6	1212.3	1186.7	1168.3	1139.6	1108.9	1059.7	1028.0
40°	1452.9	1445.8	1430.4	1393.6	1379.2	1361.8	1340.3	1312.7	1275.8	1250.2	1203.1
42.5°	1658.7	1647.5	1635.2	1600.4	1572.8	1551.3	1542.1	1518.4	1479.5	1446.8	1410.0
45°	1919.8	1914.7	1898.3	1863.5	1835.9	1821.5	1807.2	1767.3	1741.7	1708.9	1683.4
47.5°	2235.2	2218.8	2210.6	2171.7	2162.5	2151.3	2114.3	2091.8	2055.0	2029.4	1997.7
50°	2576.2	2558.7	2559.7	2512.7	2514.7	2506.5	2478.9	2452.3	2420.6	2398.0	2378.5
52.5°	2942.7	2950.9	2930.4	2944.8	2928.4	2910.0	2904.9	2872.1	2844.4	2843.4	2816.8
55°	3393.2	3379.9	3385.0	3399.4	3376.9	3397.3	3387.1	3345.1	3346.2	3354.3	3323.6
57.5°	3877.6	3897.0	3939.0	3948.2	3987.1	3960.5	4030.2	3979.9	4010.6	4010.6	3990.2
60°	4588.1	4666.0	4767.4	4846.2	4918.9	4895.3	4986.4	4929.1	4970.1	4935.3	4917.9
62.5°	5444.1	5547.6	5667.4	5795.4	5869.1	5887.5	5874.2	5899.8	5859.8	5834.3	5767.7
65°	5855.8	5958.2	6062.5	6216.1	6236.7	6252.0	6245.9	6202.8	6153.7	6081.1	5994.0
67.5°	5513.8	5657.2	5715.5	5892.6	5952.0	5930.5	5937.7	5882.4	5805.6	5733.9	5605.9
70°	4571.7	4735.6	4766.4	5020.2	5090.9	5193.2	5156.4	5140.0	5056.1	4995.7	4854.4
72.5°	3328.8	3456.8	3446.5	3732.2	3719.8	3761.9	3861.1	3857.0	3769.0	3749.6	3630.8
75°	2048.8	2125.7	2121.6	2324.3	2239.3	2227.0	2254.6	2242.3	2159.5	2073.4	1999.7
77.5°	1085.3	1120.2	1083.3	1022.9	1016.8	948.1	928.7	927.6	864.2	786.3	729.0
80°	914.3	878.5	835.5	747.4	696.3	650.1	607.2	567.3	524.3	466.9	397.3
82.5°	1067.9	1050.5	1019.8	909.2	856.0	763.8	695.3	630.7	551.9	492.5	403.4
85°	520.2	519.2	543.7	532.5	513.0	508.8	441.3	427.0	395.3	362.4	303.1
87.5°	14.3	10.2	12.3	10.2	12.3	13.3	9.2	21.5	13.3	12.3	14.3
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°	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3
2.5°	151.5	150.5	149.5	149.5	148.5	148.5	147.4	146.4	146.4	145.4	145.4
5°	164.8	162.8	161.8	160.7	158.7	157.7	155.6	154.6	152.6	151.5	149.5
7.5°	181.2	179.2	175.1	173.0	170.0	168.9	163.8	161.8	159.7	157.7	154.6
10°	201.7	196.6	192.5	188.4	183.3	179.2	175.1	172.0	167.9	162.8	160.7
12.5°	227.4	220.2	214.0	206.8	200.7	194.5	187.3	182.2	176.1	171.0	165.9
15°	256.0	245.8	237.6	227.4	217.0	209.9	202.7	195.5	187.3	180.2	174.0
17.5°	288.7	275.4	264.2	251.9	240.7	230.4	218.0	208.8	199.6	189.4	181.2
20°	323.5	310.2	294.9	281.6	265.2	254.0	238.6	226.3	212.9	202.7	191.4
22.5°	369.7	352.2	332.7	314.3	296.9	279.5	263.2	247.8	231.4	216.0	204.7
25°	423.9	402.4	377.9	359.4	334.8	315.4	294.9	275.4	258.0	238.6	220.2
27.5°	491.4	462.8	436.2	410.6	384.0	359.4	332.7	310.2	286.7	264.2	243.7
30°	570.3	542.7	502.7	474.0	447.4	413.7	387.1	357.3	330.7	298.0	275.4
32.5°	674.8	638.9	596.9	559.1	524.3	486.3	449.5	411.6	376.8	347.1	313.3
35°	811.0	768.9	718.8	670.7	631.7	585.7	538.6	495.5	455.6	412.7	370.7
37.5°	983.0	944.0	889.8	831.4	779.2	723.9	674.8	614.3	561.1	508.8	455.6
40°	1154.0	1118.1	1061.8	999.4	931.7	868.3	805.9	737.2	669.7	604.1	548.8
42.5°	1364.8	1311.6	1251.3	1180.6	1115.1	1039.3	961.5	882.6	801.7	722.9	644.0
45°	1630.1	1589.1	1504.1	1428.4	1350.5	1261.5	1165.2	1075.1	971.7	878.5	774.1
47.5°	1952.6	1878.9	1816.4	1746.8	1649.5	1563.5	1440.7	1334.1	1205.1	1081.2	956.4
50°	2333.5	2292.6	2209.6	2122.6	2017.1	1914.7	1794.9	1641.3	1486.7	1354.6	1183.6
52.5°	2778.9	2720.6	2668.3	2578.2	2470.7	2339.6	2203.5	2036.6	1847.2	1660.8	1478.5
55°	3307.3	3266.3	3216.1	3144.4	3007.3	2858.8	2694.9	2495.3	2271.1	2020.2	1808.2
57.5°	3989.1	3946.2	3898.1	3750.6	3657.4	3475.2	3237.6	3030.8	2789.1	2467.6	2204.5
60°	4919.9	4861.5	4794.0	4674.2	4479.7	4243.1	3988.1	3682.0	3386.1	3034.9	2689.8
62.5°	5715.5	5622.3	5477.9	5323.3	5089.9	4818.5	4498.1	4137.6	3800.8	3405.5	3021.6
65°	5879.3	5751.3	5581.3	5379.7	5139.0	4832.9	4498.1	4153.0	3756.8	3385.0	2999.1
67.5°	5453.3	5304.9	5130.8	4905.6	4676.2	4360.9	4072.1	3720.9	3348.2	3026.7	2681.6
70°	4753.0	4532.9	4354.7	4115.1	3882.7	3634.9	3330.8	3067.6	2764.6	2468.7	2204.5
72.5°	3569.3	3352.3	3190.5	2999.1	2860.9	2598.7	2375.5	2178.9	1999.7	1778.5	1583.0
75°	1923.9	1761.1	1652.6	1565.6	1441.7	1268.7	1162.1	1027.0	951.3	859.1	770.0
77.5°	627.6	552.9	472.0	393.2	337.9	254.0	245.8	195.5	184.3	179.2	138.2
80°	321.5	247.8	179.2	129.0	98.3	87.1	83.0	78.9	74.8	71.6	66.5
82.5°	322.5	233.5	160.7	111.6	80.9	67.5	63.4	61.4	58.3	55.3	51.2
85°	235.5	174.0	119.8	82.0	56.3	45.0	43.0	39.9	37.9	36.8	32.7
87.5°	15.3	11.3	10.2	9.2	9.2	9.2	10.2	9.2	10.2	10.2	9.2
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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CATALOG NUMBER: ICM-F04-LED-E1-T3-HSS

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3
2.5°	144.4	143.3	143.3	142.3	141.3	141.3	140.3	140.3	137.2	132.1	128.0
5°	148.5	146.4	145.4	144.4	143.3	141.3	140.3	139.3	134.1	123.9	115.7
7.5°	151.5	149.5	148.5	146.4	143.3	142.3	140.3	138.2	130.0	115.7	106.5
10°	156.7	153.6	150.5	147.4	144.4	142.3	139.3	137.2	124.9	108.6	99.3
12.5°	161.8	157.7	153.6	148.5	145.4	142.3	139.3	135.2	120.8	102.4	92.2
15°	167.9	161.8	156.7	151.5	146.4	142.3	137.2	134.1	116.7	97.3	88.1
17.5°	174.0	166.9	159.7	152.6	147.4	141.3	137.2	132.1	112.7	93.2	83.0
20°	181.2	171.0	163.8	155.6	148.5	141.3	135.2	130.0	108.6	88.1	77.9
22.5°	191.4	179.2	167.9	158.7	149.5	142.3	135.2	128.0	104.5	84.0	73.8
25°	204.7	189.4	176.1	164.8	153.6	144.4	136.2	129.0	101.4	80.9	68.6
27.5°	224.3	204.7	190.4	175.1	160.7	149.5	139.3	131.1	99.3	77.9	65.5
30°	247.8	228.4	205.8	187.3	172.0	156.7	145.4	133.1	97.3	74.8	61.4
32.5°	282.6	255.0	228.4	205.8	184.3	166.9	150.5	138.2	96.3	69.6	57.3
35°	332.7	294.9	263.2	233.5	203.7	182.2	162.8	146.4	95.3	65.5	53.2
37.5°	404.5	359.4	318.4	276.5	239.6	208.8	182.2	160.7	95.3	62.4	49.1
40°	481.2	422.9	370.7	318.4	271.4	232.5	196.6	170.0	93.2	58.3	45.0
42.5°	568.3	496.6	424.9	360.4	302.0	251.9	209.9	177.1	88.1	54.2	40.9
45°	685.0	590.8	504.7	421.9	346.0	280.6	227.4	185.3	83.0	51.2	36.8
47.5°	831.4	721.9	610.2	505.8	406.5	323.5	252.9	198.6	79.9	47.1	33.8
50°	1049.5	893.9	746.4	613.3	487.4	378.9	290.8	218.0	76.8	44.0	30.7
52.5°	1289.1	1097.7	924.6	753.6	596.9	453.6	334.8	243.7	73.8	40.9	27.6
55°	1580.9	1345.4	1134.5	912.3	711.6	540.7	389.1	272.4	69.6	37.9	25.6
57.5°	1941.3	1643.4	1393.6	1122.2	870.3	653.2	461.8	320.5	65.5	33.8	22.5
60°	2343.7	2006.9	1692.6	1374.1	1068.9	802.7	569.3	389.1	61.4	29.7	19.4
62.5°	2633.5	2263.8	1904.5	1547.2	1212.3	914.3	656.3	442.3	55.3	25.6	17.4
65°	2630.4	2255.6	1894.2	1542.1	1216.4	918.4	659.4	452.6	49.1	22.5	15.3
67.5°	2343.7	2028.4	1705.9	1389.4	1104.8	835.5	610.2	419.8	42.0	20.5	13.3
70°	1928.0	1677.1	1422.2	1171.4	943.0	715.7	527.4	365.5	35.8	18.4	11.3
72.5°	1407.9	1224.6	1068.9	891.8	736.2	565.2	420.8	286.7	28.7	15.3	10.2
75°	699.4	625.6	536.6	481.2	410.6	335.8	261.1	166.9	23.5	12.3	9.2
77.5°	133.1	118.8	113.7	98.3	90.1	79.9	70.6	50.1	18.4	9.2	8.2
80°	61.4	56.3	51.2	46.0	40.9	34.8	30.7	26.6	14.3	7.2	9.2
82.5°	48.1	44.0	38.9	34.8	30.7	26.6	22.5	19.4	9.2	6.1	9.2
85°	31.7	27.6	24.6	21.5	18.4	16.4	14.3	12.3	6.1	6.1	6.1
87.5°	9.2	9.2	8.2	8.2	7.2	7.2	6.1	6.1	5.1	5.1	5.1
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°	139.3	139.3	139.3	139.3	139.3	139.3	139.3
2.5°	123.9	118.8	116.7	115.7	115.7	116.7	115.7
5°	109.6	104.5	102.4	100.4	100.4	100.4	101.4
7.5°	100.4	95.3	92.2	91.2	90.1	91.2	91.2
10°	92.2	88.1	84.0	82.0	82.0	82.0	82.0
12.5°	86.0	80.9	76.8	75.8	74.8	74.8	74.8
15°	80.9	74.8	71.6	69.6	68.6	68.6	69.6
17.5°	74.8	69.6	65.5	64.5	64.5	64.5	64.5
20°	70.6	64.5	61.4	59.3	59.3	59.3	59.3
22.5°	65.5	60.4	56.3	54.2	54.2	54.2	54.2
25°	61.4	56.3	52.2	50.1	50.1	50.1	50.1
27.5°	57.3	52.2	48.1	46.0	46.0	46.0	46.0
30°	53.2	48.1	44.0	42.0	42.0	42.0	42.0
32.5°	50.1	44.0	39.9	37.9	37.9	38.9	37.9
35°	45.0	39.9	35.8	33.8	33.8	33.8	33.8
37.5°	40.9	35.8	31.7	29.7	29.7	29.7	28.7
40°	37.9	31.7	27.6	25.6	24.6	24.6	24.6
42.5°	32.7	26.6	23.5	21.5	20.5	20.5	20.5
45°	29.7	23.5	19.4	17.4	17.4	17.4	17.4
47.5°	26.6	20.5	16.4	14.3	14.3	15.3	15.3
50°	23.5	17.4	13.3	13.3	13.3	14.3	14.3
52.5°	20.5	15.3	12.3	12.3	13.3	14.3	14.3
55°	18.4	13.3	11.3	12.3	13.3	14.3	14.3
57.5°	16.4	11.3	11.3	12.3	13.3	14.3	14.3
60°	14.3	10.2	10.2	11.3	13.3	14.3	14.3
62.5°	12.3	10.2	10.2	11.3	13.3	14.3	14.3
65°	11.3	10.2	10.2	11.3	13.3	14.3	14.3
67.5°	10.2	9.2	10.2	11.3	12.3	13.3	13.3
70°	9.2	9.2	10.2	11.3	12.3	13.3	13.3
72.5°	9.2	9.2	9.2	10.2	11.3	12.3	12.3
75°	9.2	9.2	9.2	10.2	11.3	12.3	12.3
77.5°	9.2	8.2	8.2	9.2	11.3	12.3	12.3
80°	9.2	8.2	8.2	9.2	10.2	12.3	12.3
82.5°	7.2	7.2	8.2	9.2	10.2	11.3	11.3
85°	6.1	7.2	7.2	8.2	9.2	11.3	11.3
87.5°	5.1	5.1	6.1	7.2	8.2	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)