

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: P181190

Luminaire Tested: **ICM-F05-LED-E1-T2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181190
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-F05-LED-E1-T2-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6148.4 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

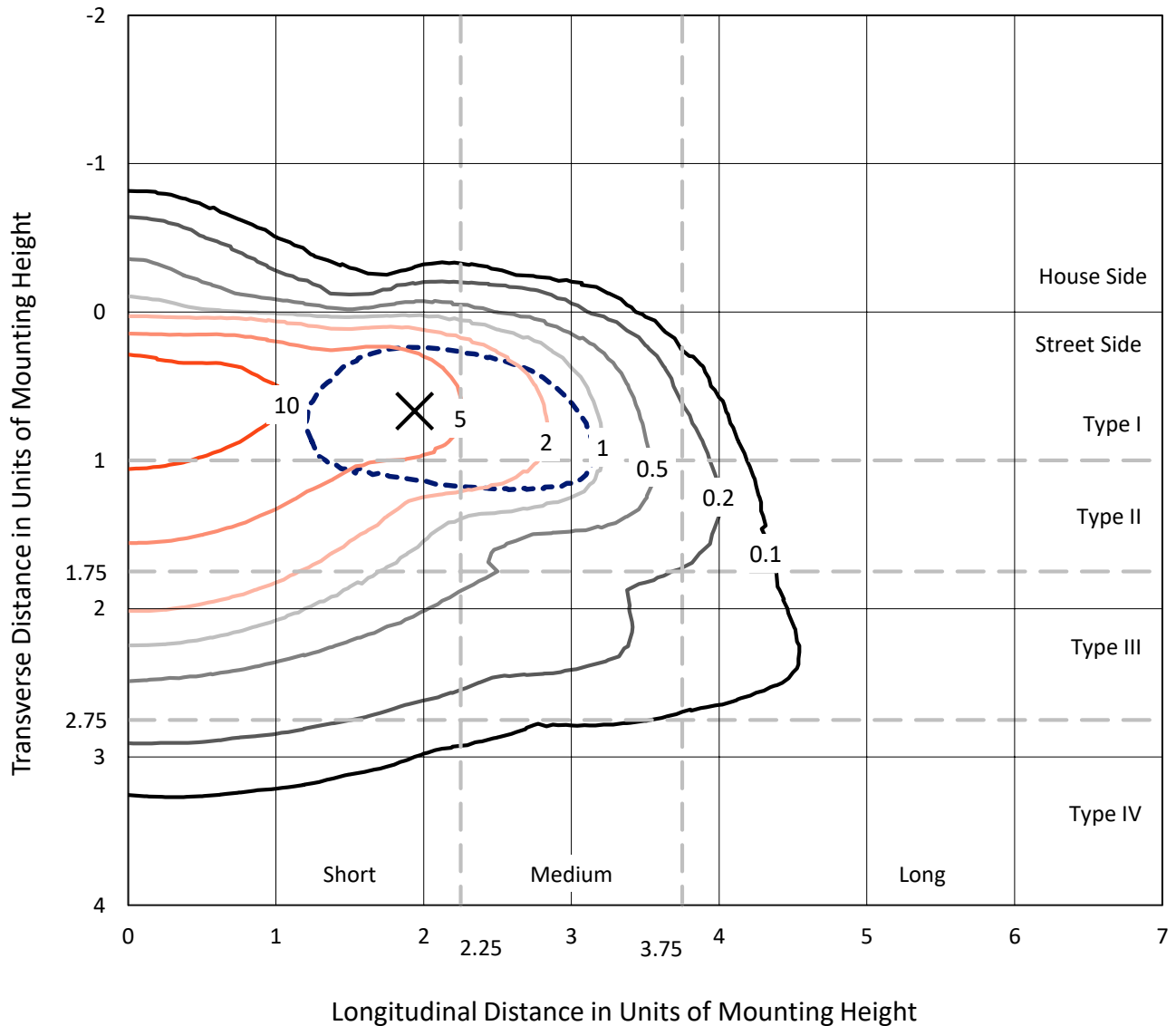
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

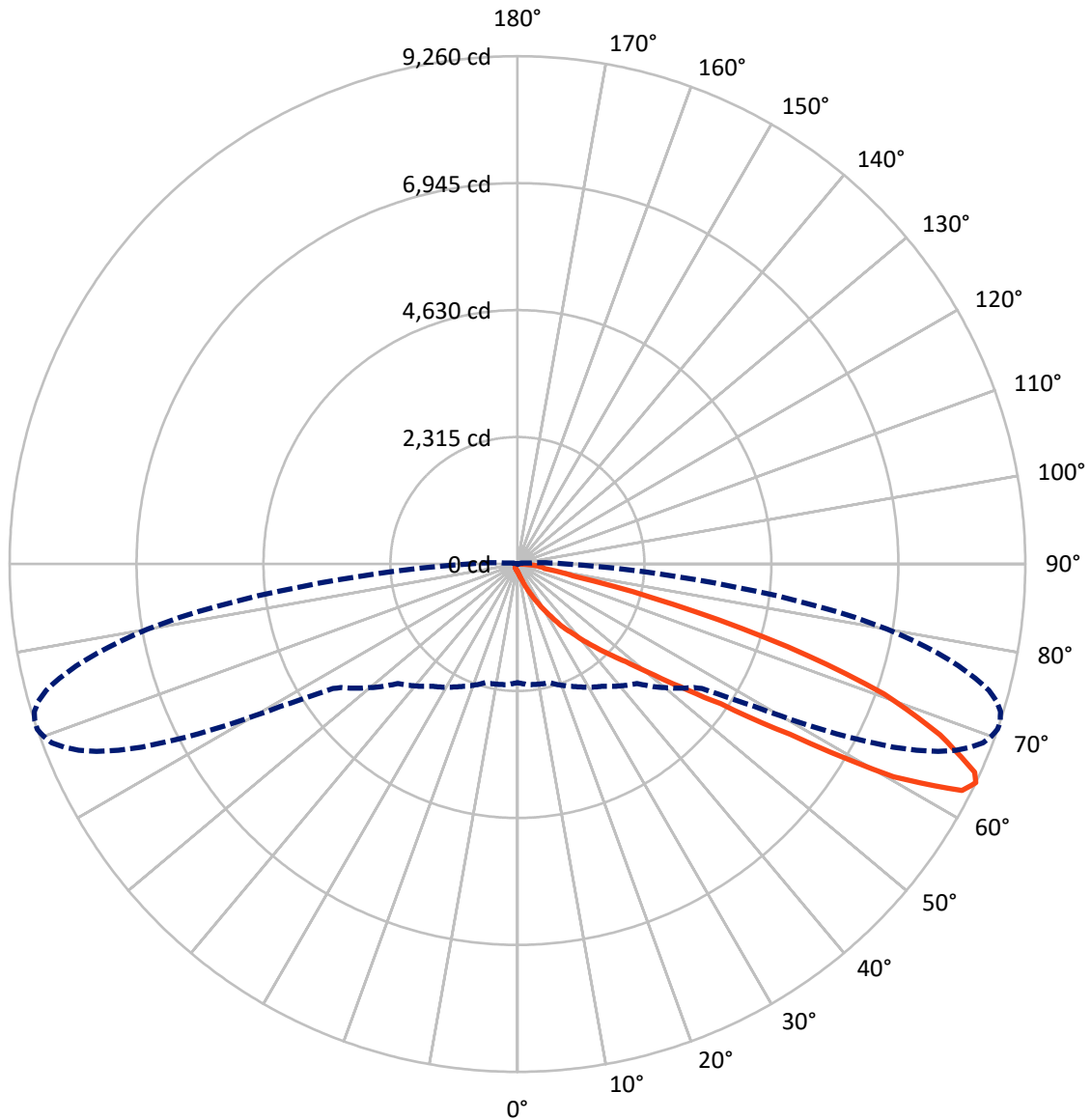
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 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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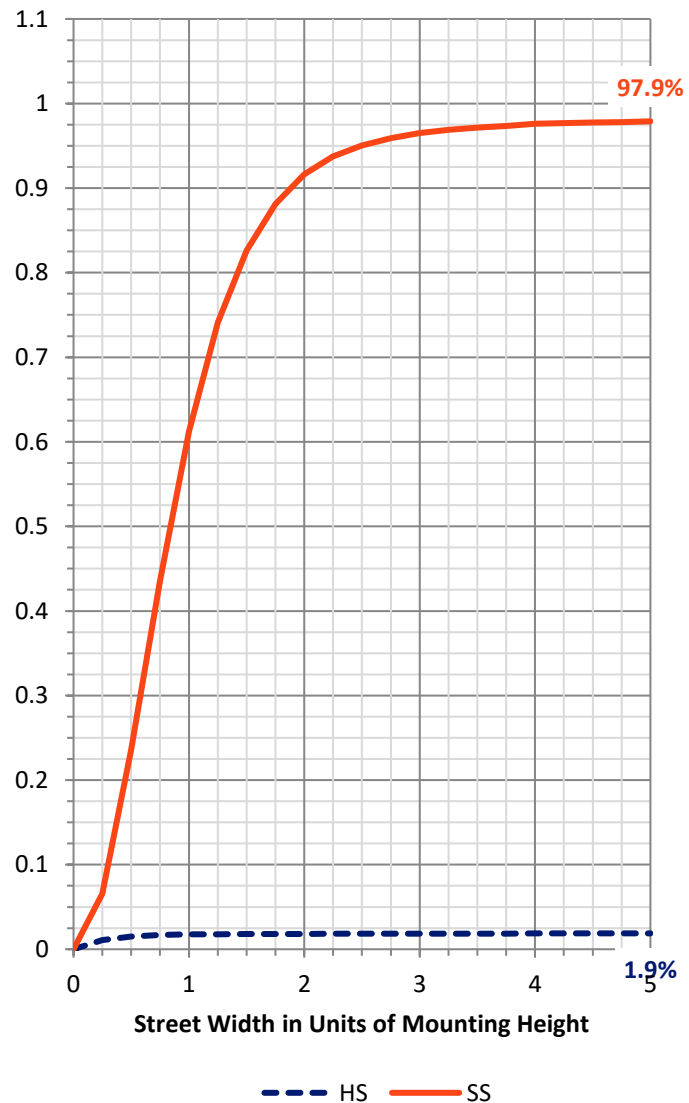
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	117.7	0.0	117.7
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	6030.7	0.0	6030.7
	% Fixture	98.1	0.0	98.1
Total	Lumens	6148.4	0.0	6148.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	0.3
10°-20°	111.2	1.8
20°-30°	284.0	4.6
30°-40°	574.3	9.3
40°-50°	1049.8	17.1
50°-60°	1635.6	26.6
60°-70°	1818.0	29.6
70°-80°	592.9	9.6
80°-90°	63.8	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°	6148.4	100.0
0°-180°	6148.4	100.0



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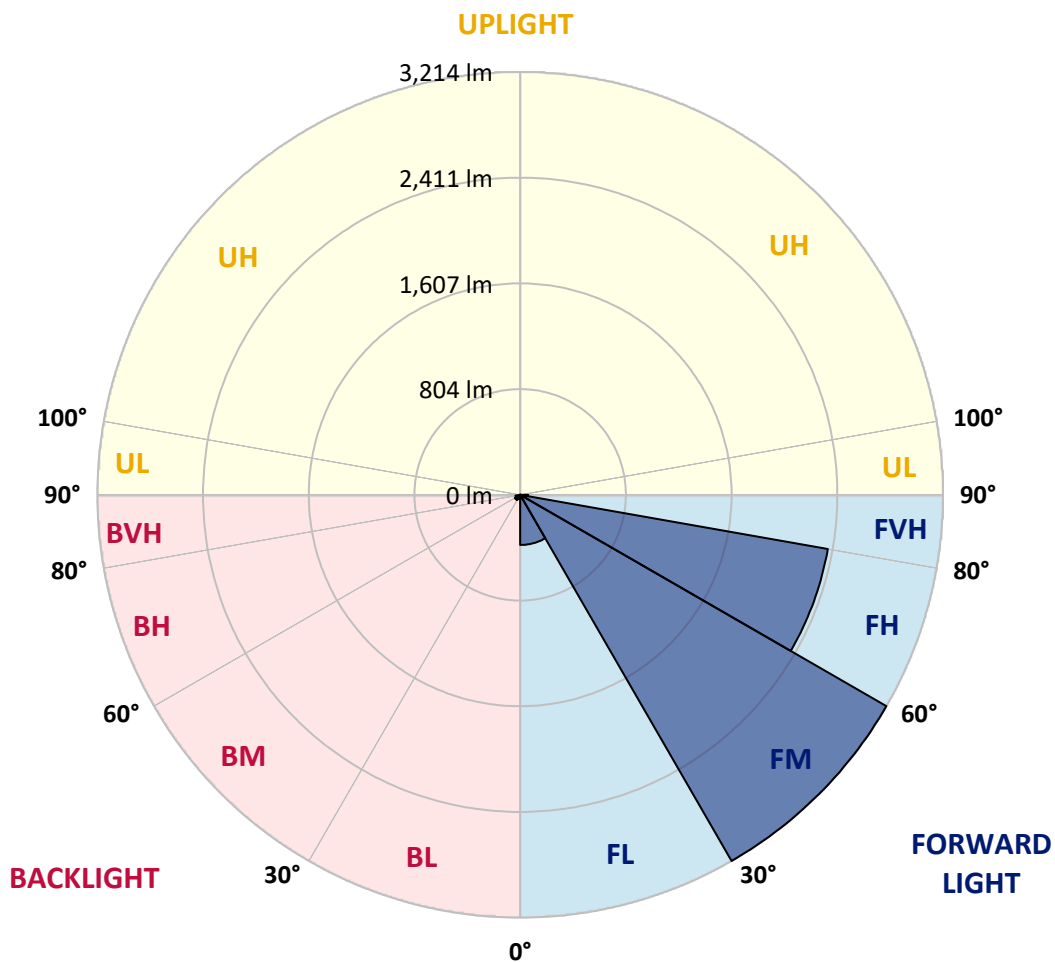
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.2	6.2			
FM (30°-60°)	3214.3	52.3			
FH (60°-80°)	2374.6	38.6			G2/5000
FVH (80°-90°)	60.7	1.0			G1/100
BL (0°-30°)	32.8	0.5	B0/110		
BM (30°-60°)	45.5	0.7	B0/220		
BH (60°-80°)	36.3	0.6	B0/110		G0/110
BVH (80°-90°)	3.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
2.5°	184.3	181.8	181.8	177.9	172.7	167.6	162.5	161.3	160.0	158.7	158.7
5°	289.2	279.0	275.2	261.1	243.2	221.4	202.2	197.1	197.1	193.3	190.7
7.5°	454.3	449.2	422.3	408.3	366.0	313.6	258.5	253.4	252.1	247.0	239.4
10°	665.6	655.3	636.1	595.2	518.3	427.4	349.4	336.7	327.6	317.4	307.2
12.5°	876.7	863.9	835.7	769.2	692.4	575.9	450.5	439.0	424.9	410.9	394.2
15°	1087.9	1079.0	1035.4	968.8	869.0	729.5	570.8	550.3	538.8	510.7	497.9
17.5°	1270.9	1259.4	1224.8	1149.3	1045.7	892.1	703.9	678.3	659.2	642.5	611.8
20°	1429.7	1418.1	1384.8	1322.1	1205.7	1054.6	847.3	834.5	799.9	774.3	756.4
22.5°	1526.9	1523.1	1501.3	1441.1	1337.5	1203.1	1011.1	990.6	967.6	933.0	912.6
25°	1587.1	1583.3	1570.4	1528.2	1457.8	1359.3	1191.5	1166.0	1145.5	1114.8	1089.2
27.5°	1649.8	1647.3	1636.9	1599.8	1562.7	1501.3	1374.6	1360.6	1315.7	1297.8	1273.5
30°	1753.4	1742.0	1750.9	1732.9	1685.6	1647.3	1558.9	1538.4	1519.3	1488.5	1466.8
32.5°	1918.5	1899.4	1918.5	1899.4	1878.9	1832.8	1748.3	1742.0	1722.7	1703.5	1672.8
35°	2120.8	2113.1	2128.5	2145.1	2128.5	2067.0	1964.7	1945.4	1937.8	1907.1	1895.5
37.5°	2324.3	2338.3	2366.5	2403.6	2393.4	2348.6	2204.0	2186.1	2172.0	2145.1	2124.7
40°	2543.2	2544.4	2604.6	2658.3	2685.2	2658.3	2467.6	2453.6	2434.3	2395.9	2390.8
42.5°	2781.2	2771.0	2815.7	2875.9	2931.0	2968.1	2815.7	2788.9	2762.0	2718.5	2689.0
45°	2992.4	2992.4	3028.2	3084.6	3169.0	3262.4	3183.1	3154.9	3129.3	3093.5	3060.2
47.5°	3148.6	3149.8	3171.6	3253.5	3385.3	3524.9	3527.4	3532.5	3513.3	3471.1	3472.3
50°	3258.6	3244.5	3274.0	3353.3	3505.6	3724.5	3881.9	3890.9	3906.3	3871.7	3881.9
52.5°	3339.3	3332.9	3352.0	3418.6	3570.9	3838.3	4172.5	4210.8	4233.9	4239.0	4281.2
55°	3297.0	3300.9	3346.9	3442.9	3606.7	3913.9	4419.5	4482.2	4535.9	4582.0	4634.4
57.5°	3157.5	3169.0	3249.6	3399.4	3614.4	3975.4	4681.9	4777.8	4878.9	5001.8	5105.5
60°	2934.8	2961.7	3070.4	3280.4	3540.2	3894.7	4759.9	4907.1	5062.0	5248.9	5457.4
62.5°	2608.4	2613.5	2685.2	2888.7	3175.4	3466.0	4401.5	4589.7	4794.4	5064.5	5356.3
64°	2161.8	2207.8	2241.1	2465.0	2721.0	3083.3	3928.0	4058.5	4343.9	4675.5	5042.7
65°	1784.2	1839.2	1866.1	2090.1	2383.2	2728.8	3515.8	3655.4	3956.1	4292.8	4750.9
67.5°	1052.1	1015.0	1093.0	1224.8	1470.6	1880.2	2371.6	2477.9	2701.9	3102.4	3468.5
70°	678.3	678.3	750.1	884.4	1112.2	1425.8	1629.3	1584.5	1631.8	1786.7	2045.2
72.5°	435.2	458.2	501.7	615.6	826.8	1195.4	1665.1	1454.0	1343.9	1292.7	1290.1
75°	198.4	211.2	258.5	326.3	441.6	779.4	1679.2	1587.1	1486.0	1388.7	1313.1
77.5°	42.2	48.7	82.0	168.9	215.0	359.6	1191.5	1329.8	1439.9	1471.9	1471.9
80°	21.8	23.1	34.5	79.3	92.2	121.6	459.4	604.1	744.9	930.5	1125.0
82.5°	8.9	10.2	20.5	35.8	38.4	37.1	121.6	153.6	211.2	307.2	458.2
85°	2.6	2.6	8.9	14.0	20.5	16.7	26.9	30.7	39.7	57.6	110.0
87.5°	0.0	0.0	1.3	2.6	3.8	6.4	7.7	7.7	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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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
2.5°	157.4	157.4	156.2	154.9	154.9	152.3	152.3	151.1	151.1	149.8	149.8
5°	189.4	186.9	184.3	180.5	179.2	176.7	174.0	171.5	168.9	167.6	165.1
7.5°	235.5	232.9	225.3	220.2	213.8	209.9	204.7	200.9	197.1	194.5	189.4
10°	296.9	288.0	284.1	266.2	262.4	253.4	245.8	240.7	230.4	224.0	217.6
12.5°	384.0	367.4	360.9	330.2	321.2	308.5	299.5	286.7	275.2	267.5	256.0
15°	482.5	469.7	445.4	414.7	398.0	384.0	362.2	352.0	336.7	320.0	303.4
17.5°	600.3	577.2	550.3	510.7	490.2	468.5	448.0	426.2	400.6	385.2	367.4
20°	737.2	712.9	679.6	629.7	605.4	583.6	547.8	532.5	501.7	471.0	448.0
22.5°	887.0	862.6	830.6	774.3	742.3	706.5	677.0	650.1	614.3	583.6	556.7
25°	1055.9	1027.7	1003.4	938.1	898.5	861.4	829.4	782.1	751.3	715.4	678.3
27.5°	1247.9	1214.6	1182.6	1111.0	1073.9	1032.8	994.5	944.6	915.2	856.3	821.7
30°	1445.0	1404.0	1370.8	1297.8	1264.6	1222.3	1169.8	1125.0	1075.1	1035.4	979.1
32.5°	1652.4	1619.1	1592.2	1515.4	1473.1	1420.7	1373.3	1326.0	1282.4	1218.4	1167.3
35°	1873.8	1844.3	1814.9	1748.3	1711.2	1671.5	1617.8	1560.2	1500.0	1433.5	1387.4
37.5°	2106.7	2083.6	2060.7	1980.0	1936.5	1894.2	1832.8	1775.2	1721.5	1651.1	1573.0
40°	2351.2	2329.4	2292.3	2225.7	2179.6	2141.2	2084.9	2031.2	1958.2	1880.2	1811.1
42.5°	2658.3	2611.0	2579.0	2506.1	2457.4	2415.2	2365.2	2284.6	2223.2	2129.8	2063.2
45°	3018.0	2973.2	2920.7	2846.4	2786.3	2717.2	2646.8	2591.7	2515.0	2430.5	2344.8
47.5°	3422.4	3386.6	3325.1	3252.2	3192.0	3122.9	3039.7	2969.3	2875.9	2777.3	2660.9
50°	3867.8	3830.7	3789.8	3707.8	3647.7	3582.4	3517.1	3434.0	3349.5	3231.7	3111.5
52.5°	4281.2	4289.0	4264.6	4226.2	4196.8	4129.0	4068.8	3989.4	3915.2	3807.7	3714.3
55°	4689.5	4756.1	4781.7	4818.8	4831.6	4776.6	4775.3	4658.8	4614.0	4551.3	4497.5
57.5°	5228.3	5375.6	5492.0	5717.2	5811.9	5907.9	5925.9	5843.9	5928.5	5819.7	5856.8
60°	5686.5	5956.6	6245.9	6828.2	7120.0	7340.1	7516.8	7647.4	7731.9	7875.2	7882.8
62.5°	5727.5	6152.4	6592.7	7442.6	7841.9	8176.0	8494.7	8717.4	8894.0	9056.5	9096.1
64°	5531.7	6057.7	6592.7	7620.5	8028.8	8400.0	8690.5	8911.9	9092.3	9193.5	9260.1
65°	5175.8	5764.6	6380.2	7502.7	7923.8	8318.0	8595.8	8818.5	8988.7	9089.8	9158.9
67.5°	3834.5	4404.1	5022.3	6329.1	6992.0	7353.0	7708.8	8021.1	8158.0	8286.0	8310.4
70°	2337.0	2750.5	3176.7	4388.8	5004.4	5653.2	6053.9	6510.8	6830.7	7027.9	7093.2
72.5°	1410.4	1553.8	1808.5	2459.9	3050.0	3505.6	4059.8	4496.2	4854.6	5053.1	5152.9
75°	1255.5	1237.7	1270.9	1542.2	1752.2	2026.1	2227.0	2500.9	2722.3	2791.5	2920.7
77.5°	1451.4	1400.2	1347.7	1296.6	1286.3	1260.7	1219.7	1230.0	1132.7	1039.3	1041.9
80°	1292.7	1415.5	1488.5	1434.8	1313.1	1190.3	1039.3	851.2	665.6	550.3	501.7
82.5°	648.9	922.8	1186.4	1447.5	1429.7	1320.8	1154.4	948.4	734.7	564.5	450.5
85°	199.6	354.5	499.2	693.7	805.0	789.7	693.7	674.5	481.2	375.0	289.2
87.5°	8.9	8.9	8.9	7.7	8.9	8.9	8.9	10.2	10.2	11.5	11.5
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°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
2.5°	149.8	148.5	147.2	145.9	145.9	145.9	144.7	144.7	143.3	143.3	142.0
5°	165.1	162.5	161.3	158.7	158.7	156.2	154.9	153.6	151.1	149.8	148.5
7.5°	185.6	183.1	179.2	175.3	174.0	170.2	166.4	163.8	161.3	158.7	156.2
10°	212.5	207.4	199.6	194.5	190.7	185.6	180.5	176.7	171.5	166.4	163.8
12.5°	247.0	236.7	229.1	220.2	212.5	204.7	195.8	190.7	185.6	177.9	172.7
15°	286.7	276.5	267.5	252.1	239.4	229.1	221.4	209.9	200.9	190.7	183.1
17.5°	354.5	327.6	309.8	294.4	281.6	262.4	247.0	234.2	222.7	209.9	200.9
20°	421.1	398.0	373.8	355.8	327.6	311.0	290.5	272.7	252.1	236.7	221.4
22.5°	518.3	488.9	458.2	431.4	392.9	369.9	343.0	320.0	294.4	268.7	252.1
25°	641.2	597.7	556.7	518.3	482.5	448.0	413.4	376.3	349.4	318.7	290.5
27.5°	770.5	721.9	682.1	632.3	586.2	543.9	500.5	460.7	414.7	375.0	341.8
30°	933.0	866.5	820.4	760.3	714.1	655.3	601.6	549.1	492.7	446.7	399.4
32.5°	1098.1	1053.3	975.3	924.1	855.0	784.6	728.3	668.1	599.0	538.8	481.2
35°	1315.7	1238.9	1173.7	1102.0	1026.5	953.5	880.6	794.8	724.4	650.1	579.8
37.5°	1507.7	1429.7	1354.1	1260.7	1175.0	1098.1	1009.9	920.3	837.0	748.7	664.3
40°	1730.4	1633.1	1543.5	1456.5	1350.2	1259.4	1167.3	1055.9	959.9	862.6	762.8
42.5°	1973.6	1875.1	1768.8	1668.9	1552.5	1441.1	1327.3	1215.9	1108.4	990.6	874.1
45°	2239.8	2136.1	2017.1	1903.2	1776.5	1653.6	1518.0	1390.0	1263.3	1131.4	997.0
47.5°	2570.1	2436.9	2326.8	2184.8	2027.4	1898.1	1731.7	1585.8	1441.1	1287.5	1136.6
50°	2997.5	2846.4	2687.7	2530.3	2356.3	2192.5	2008.1	1835.4	1642.1	1470.6	1297.8
52.5°	3564.5	3451.8	3267.6	3087.1	2874.6	2666.0	2412.6	2188.6	1940.3	1721.5	1510.2
55°	4369.5	4295.3	4135.4	3938.3	3752.7	3448.0	3156.2	2808.1	2485.5	2170.7	1873.8
57.5°	5827.4	5746.7	5568.8	5521.4	5236.0	5012.0	4670.4	4219.8	3673.3	3192.0	2712.1
60°	7926.4	7769.0	7594.8	7562.8	7227.6	6992.0	6652.9	6172.9	5658.4	4890.4	4236.4
62.5°	9098.8	9051.4	8910.6	8737.8	8447.3	8097.9	7716.4	7251.9	6729.7	6056.4	5278.3
64°	9256.1	9212.6	9091.0	8896.5	8604.7	8257.8	7835.5	7372.1	6848.7	6234.4	5524.0
65°	9157.6	9096.1	8992.5	8813.4	8542.0	8209.3	7784.3	7314.6	6783.4	6192.1	5531.7
67.5°	8362.8	8334.7	8240.0	8073.5	7903.3	7603.9	7230.1	6810.3	6376.4	5790.3	5248.9
70°	7100.9	7080.3	6960.0	6893.5	6611.9	6422.5	6120.4	5790.3	5406.3	4998.0	4537.2
72.5°	5264.2	5195.1	5097.8	4996.7	4806.0	4546.2	4310.6	3958.7	3760.3	3416.0	3156.2
75°	2791.5	2747.9	2596.9	2385.7	2150.2	2028.7	1784.2	1565.3	1391.3	1313.1	1125.0
77.5°	965.0	879.3	794.8	700.1	555.4	437.7	349.4	279.0	220.2	194.5	162.5
80°	481.2	456.9	430.0	376.3	316.1	254.7	199.6	157.4	129.3	110.0	98.5
82.5°	390.3	345.6	308.5	270.0	216.3	177.9	140.7	115.2	94.7	83.2	72.9
85°	230.4	176.7	134.4	121.6	94.7	82.0	70.4	60.2	51.2	48.7	44.8
87.5°	8.9	11.5	11.5	8.9	11.5	10.2	10.2	8.9	8.9	8.9	8.9
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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CATALOG NUMBER: ICM-F05-LED-E1-T2-HSS

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
2.5°	142.0	140.7	140.7	139.5	138.2	138.2	138.2	136.9	134.4	129.3	125.4
5°	147.2	145.9	144.7	142.0	140.7	139.5	138.2	138.2	131.8	122.9	116.5
7.5°	153.6	151.1	148.5	145.9	144.7	142.0	139.5	138.2	129.3	117.8	111.3
10°	160.0	156.2	152.3	151.1	147.2	144.7	140.7	138.2	128.0	114.0	104.9
12.5°	167.6	162.5	157.4	153.6	148.5	145.9	142.0	138.2	125.4	110.0	99.8
15°	176.7	168.9	162.5	158.7	153.6	147.2	142.0	138.2	122.9	106.2	94.7
17.5°	188.2	179.2	171.5	163.8	156.2	149.8	144.7	139.5	119.1	101.1	88.3
20°	206.0	194.5	181.8	172.7	162.5	154.9	145.9	139.5	116.5	96.0	83.2
22.5°	230.4	212.5	198.4	183.1	170.2	160.0	149.8	142.0	112.7	90.9	76.8
25°	264.9	241.9	218.9	199.6	183.1	168.9	156.2	145.9	110.0	87.1	72.9
27.5°	303.4	276.5	245.8	222.7	199.6	179.2	165.1	152.3	110.0	84.5	69.1
30°	357.1	318.7	281.6	252.1	221.4	198.4	177.9	161.3	110.0	83.2	65.3
32.5°	422.3	378.9	331.5	289.2	253.4	220.2	194.5	172.7	112.7	80.7	62.7
35°	513.2	449.2	392.9	340.5	293.1	254.7	221.4	192.0	116.5	79.3	58.9
37.5°	584.9	508.1	436.5	376.3	321.2	273.9	231.6	199.6	112.7	74.2	55.1
40°	670.7	583.6	496.6	421.1	358.3	296.9	248.3	209.9	110.0	67.8	50.0
42.5°	774.3	665.6	564.5	478.7	400.6	327.6	270.0	222.7	110.0	64.0	46.0
45°	871.6	752.6	639.9	532.5	441.6	360.9	290.5	236.7	108.7	60.2	40.9
47.5°	991.9	851.2	719.3	595.2	490.2	391.6	312.3	249.6	107.5	56.3	37.1
50°	1134.0	962.5	814.1	665.6	537.6	428.7	337.9	263.6	104.9	52.5	33.3
52.5°	1291.4	1107.1	917.7	746.1	596.5	468.5	362.2	276.5	101.1	48.7	29.4
55°	1570.4	1317.0	1093.0	880.6	686.1	527.4	398.0	295.6	97.3	44.8	25.6
57.5°	2239.8	1820.0	1502.6	1182.6	903.6	677.0	495.4	350.7	92.2	39.7	20.5
60°	3517.1	2824.8	2285.9	1793.1	1366.9	1039.3	729.5	518.3	98.5	33.3	18.0
62.5°	4511.7	3715.6	3029.5	2411.3	1872.5	1423.3	1062.3	774.3	142.0	29.4	14.0
64°	4771.5	3965.1	3233.0	2585.4	2024.8	1561.5	1185.2	875.4	183.1	29.4	12.8
65°	4809.8	4041.9	3306.0	2649.4	2077.2	1598.6	1221.0	908.7	199.6	30.7	11.5
67.5°	4651.1	3997.1	3327.7	2676.3	2116.9	1649.8	1269.7	961.2	225.3	29.4	8.9
70°	4062.4	3581.1	3030.8	2503.5	1996.7	1567.8	1221.0	931.7	235.5	28.2	7.7
72.5°	2764.6	2433.0	2108.0	1734.2	1390.0	1145.5	890.8	656.6	165.1	23.1	6.4
75°	921.5	898.5	803.7	609.2	511.9	416.0	332.7	256.0	62.7	14.0	6.4
77.5°	153.6	131.8	115.2	110.0	92.2	89.6	78.0	62.7	26.9	8.9	6.4
80°	89.6	82.0	71.6	64.0	56.3	50.0	42.2	35.8	16.7	6.4	7.7
82.5°	66.5	58.9	52.5	46.0	39.7	34.5	29.4	24.3	8.9	6.4	7.7
85°	38.4	33.3	29.4	25.6	20.5	18.0	15.3	12.8	6.4	6.4	6.4
87.5°	7.7	7.7	6.4	6.4	6.4	6.4	6.4	5.1	6.4	6.4	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



REPORT NUMBER: P181190

CATALOG NUMBER: ICM-F05-LED-E1-T2-HSS

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	136.9	136.9	136.9	136.9	136.9	136.9	136.9
2.5°	122.9	119.1	117.8	117.8	117.8	117.8	117.8
5°	112.7	108.7	106.2	104.9	104.9	104.9	104.9
7.5°	104.9	99.8	97.3	94.7	94.7	93.4	93.4
10°	97.3	92.2	88.3	85.8	84.5	84.5	84.5
12.5°	90.9	85.8	80.7	78.0	78.0	76.8	76.8
15°	85.8	78.0	74.2	71.6	71.6	70.4	70.4
17.5°	79.3	72.9	69.1	66.5	65.3	65.3	65.3
20°	72.9	66.5	62.7	61.4	60.2	60.2	58.9
22.5°	67.8	61.4	57.6	56.3	55.1	55.1	53.8
25°	62.7	56.3	52.5	51.2	50.0	48.7	48.7
27.5°	58.9	52.5	48.7	46.0	44.8	43.5	43.5
30°	55.1	47.3	43.5	40.9	39.7	38.4	38.4
32.5°	51.2	43.5	38.4	35.8	34.5	33.3	33.3
35°	46.0	38.4	33.3	32.0	30.7	29.4	28.2
37.5°	42.2	33.3	29.4	26.9	25.6	24.3	24.3
40°	37.1	29.4	25.6	23.1	20.5	19.2	19.2
42.5°	33.3	25.6	21.8	18.0	16.7	15.3	15.3
45°	29.4	23.1	18.0	14.0	12.8	11.5	11.5
47.5°	25.6	19.2	14.0	11.5	10.2	8.9	8.9
50°	21.8	15.3	10.2	7.7	8.9	7.7	7.7
52.5°	19.2	11.5	7.7	7.7	7.7	7.7	7.7
55°	15.3	8.9	6.4	6.4	7.7	7.7	7.7
57.5°	12.8	6.4	5.1	6.4	6.4	6.4	6.4
60°	8.9	5.1	5.1	6.4	6.4	6.4	6.4
62.5°	7.7	5.1	5.1	5.1	6.4	6.4	6.4
64°	6.4	5.1	5.1	5.1	6.4	6.4	6.4
65°	6.4	5.1	5.1	5.1	6.4	6.4	6.4
67.5°	6.4	5.1	5.1	5.1	6.4	6.4	6.4
70°	5.1	5.1	5.1	5.1	6.4	6.4	6.4
72.5°	5.1	5.1	5.1	5.1	6.4	6.4	6.4
75°	5.1	5.1	5.1	5.1	6.4	6.4	6.4
77.5°	5.1	5.1	5.1	6.4	6.4	6.4	6.4
80°	5.1	5.1	5.1	6.4	6.4	6.4	6.4
82.5°	5.1	5.1	5.1	6.4	6.4	6.4	6.4
85°	5.1	5.1	5.1	6.4	6.4	6.4	6.4
87.5°	5.1	5.1	5.1	6.4	6.4	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)