

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: P180578

Luminaire Tested: **ICM-E03-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180578  
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-E03-LED-E1-SL3-HSS  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4838.6 lumens  
Efficiency: N/A  
Efficacy: 64.3 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 - G2  
  
Input Watts (W): 75.2  
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

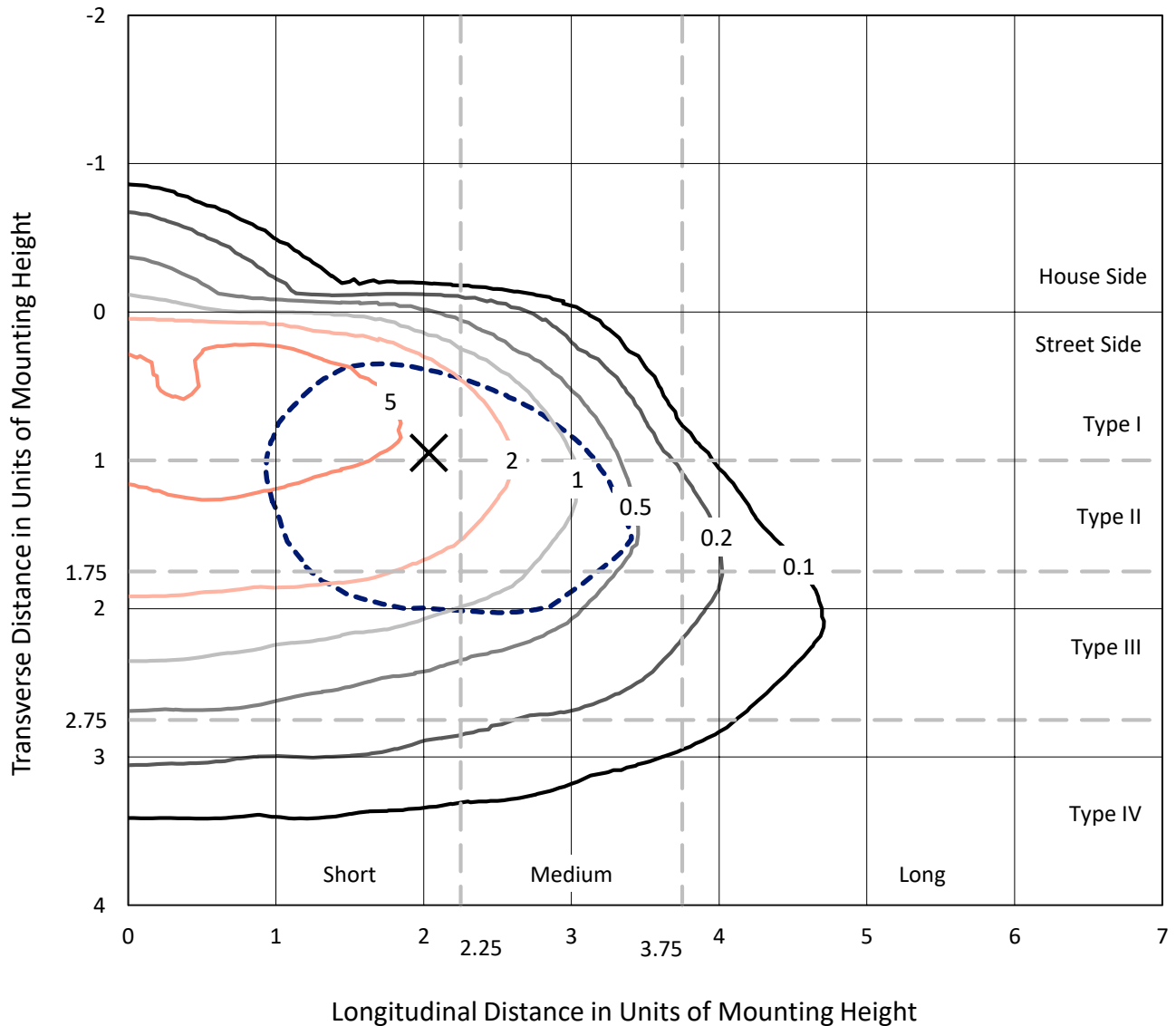


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

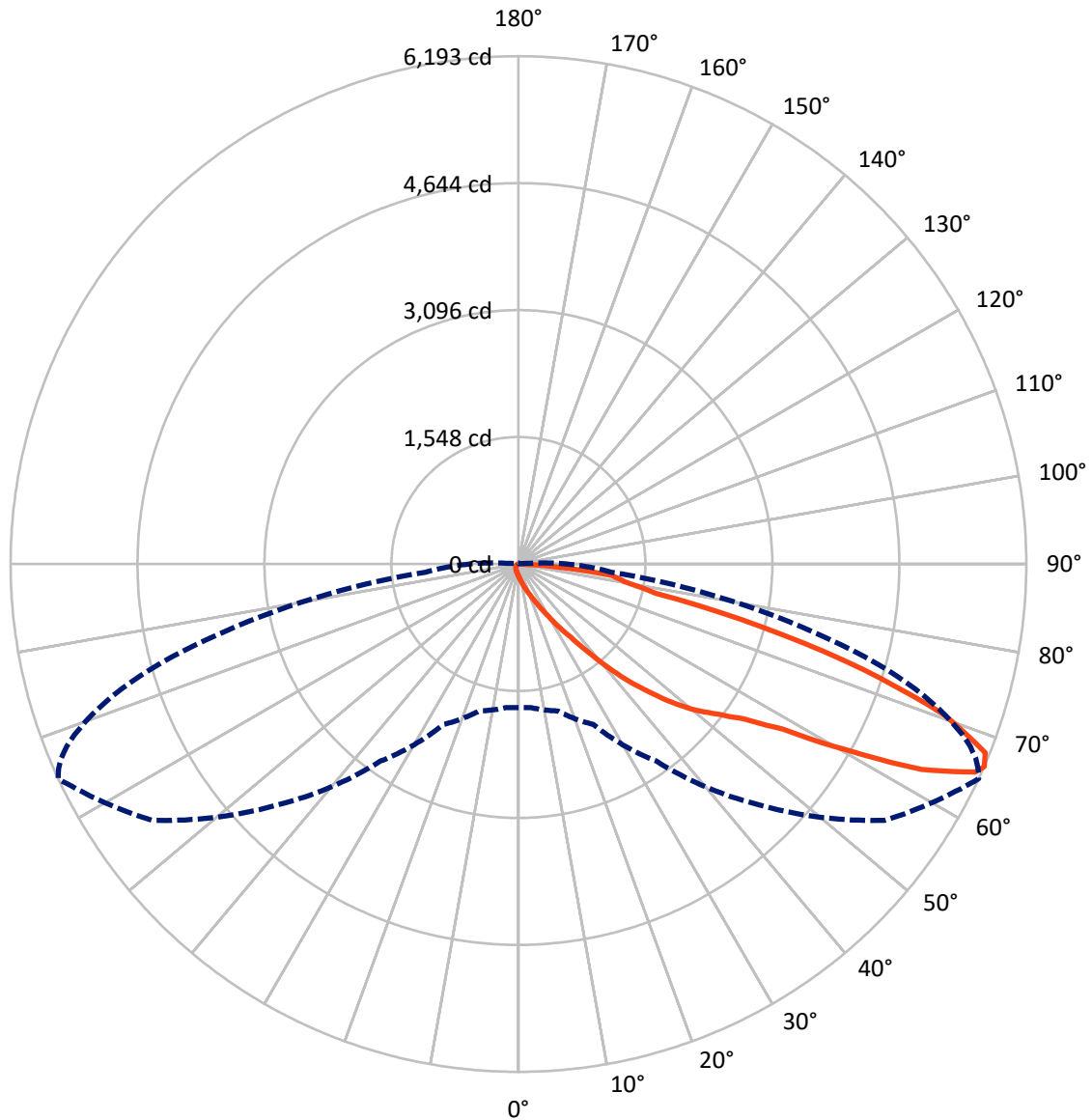


Based on 10 foot mounting height. Maximum calculated value = 8 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	104.9	0.0	104.9
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	4733.7	0.0	4733.7
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	4838.6	0.0	4838.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.3	0.3
10°-20°	69.3	1.4
20°-30°	149.5	3.1
30°-40°	319.3	6.6
40°-50°	706.1	14.6
50°-60°	1196.7	24.7
60°-70°	1596.9	33.0
70°-80°	703.4	14.5
80°-90°	81.0	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°	4838.6	100.0
0°-180°	4838.6	100.0



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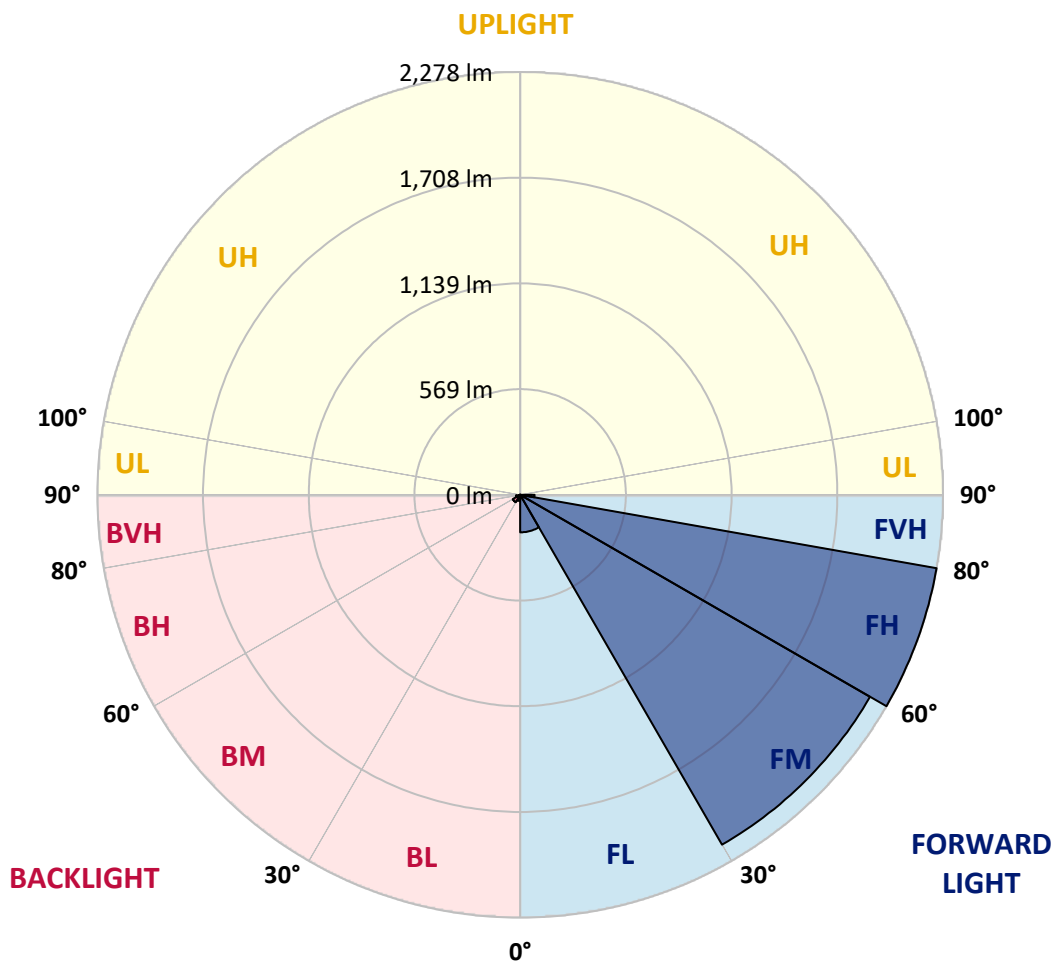
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.1	4.2			
FM	(30°-60°)	2176.1	45.0			
FH	(60°-80°)	2277.8	47.1			G2/5000
FVH	(80°-90°)	77.8	1.6			G1/100
BL	(0°-30°)	33.1	0.7	B0/110		
BM	(30°-60°)	46.0	1.0	B0/220		
BH	(60°-80°)	22.5	0.5	B0/110		G0/110
BVH	(80°-90°)	3.2	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°	65°	66°	67°	68°
0°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	184.2	183.3	179.5	179.5	174.0	170.2	165.6	160.9	160.9	160.0	159.1
5°	243.7	238.1	237.2	227.0	218.6	206.5	195.4	180.5	178.6	176.7	175.8
7.5°	309.8	308.8	300.5	288.4	271.6	249.3	227.0	202.8	199.1	197.2	193.5
10°	395.4	390.7	379.5	359.1	334.0	304.2	267.9	229.8	225.1	221.4	219.5
12.5°	477.2	468.8	462.3	436.3	404.7	360.9	317.2	262.3	258.6	254.0	246.5
15°	553.5	546.0	534.9	512.6	477.2	422.3	371.2	304.2	294.9	288.4	282.8
17.5°	613.0	608.4	595.4	570.2	532.1	483.7	422.3	347.0	339.5	331.2	320.9
20°	669.8	663.3	642.8	608.4	567.4	530.2	482.8	402.8	392.6	382.3	371.2
22.5°	723.7	717.2	683.7	627.0	583.3	567.4	550.7	466.0	450.2	441.9	430.7
25°	799.1	785.1	733.0	642.8	584.2	596.3	625.1	547.9	533.0	520.9	503.3
27.5°	900.5	881.9	800.0	666.1	587.9	627.9	710.7	647.4	631.6	617.7	598.1
30°	1014.9	1002.8	905.1	721.9	614.9	674.4	806.5	774.0	755.4	738.6	715.4
32.5°	1130.2	1113.5	1016.8	827.9	687.4	764.7	926.5	920.9	896.7	880.9	855.8
35°	1231.6	1223.3	1151.6	1001.9	853.0	922.8	1086.5	1093.0	1071.6	1054.9	1027.0
37.5°	1300.5	1300.5	1286.5	1188.8	1116.3	1168.4	1321.9	1322.8	1301.4	1263.3	1249.3
40°	1335.8	1346.1	1396.3	1414.9	1411.2	1478.1	1630.7	1614.0	1596.3	1576.8	1530.2
42.5°	1408.4	1417.7	1524.7	1653.0	1736.8	1825.1	1930.2	1924.7	1903.3	1867.9	1825.1
45°	1531.2	1543.3	1670.7	1874.4	2046.5	2172.1	2239.1	2213.0	2191.6	2158.2	2135.8
47.5°	1687.5	1710.7	1854.9	2107.0	2314.4	2521.9	2591.6	2522.8	2504.2	2478.2	2441.9
50°	1854.0	1876.3	2029.8	2318.2	2552.6	2800.0	2916.3	2800.0	2773.0	2764.7	2723.7
52.5°	1998.2	2016.8	2164.7	2480.9	2734.9	3025.1	3194.4	3040.9	3021.4	2993.5	2963.7
55°	2083.7	2098.6	2237.2	2559.1	2858.6	3227.9	3463.3	3328.4	3299.6	3288.4	3245.6
57.5°	2112.6	2127.5	2252.1	2569.3	2925.6	3413.0	3789.8	3794.4	3760.0	3720.0	3707.0
60°	2112.6	2129.3	2234.4	2544.2	2990.7	3610.3	4225.1	4613.1	4538.6	4531.2	4483.7
62.5°	2025.1	2040.9	2147.0	2467.0	3078.2	3876.3	4831.7	5516.3	5494.9	5446.5	5368.4
65°	1835.4	1844.7	1948.8	2269.8	3044.7	4121.0	5357.2	6117.2	6082.8	5987.9	5887.5
66°	1749.8	1757.2	1854.9	2157.2	2934.9	4154.4	5450.3	6192.6	6135.9	6055.9	5942.4
67.5°	1626.1	1639.1	1707.9	1947.9	2671.6	4038.2	5391.7	6139.6	6090.3	5993.5	5880.0
70°	1085.6	1076.3	1319.1	1494.9	2035.4	3290.3	4837.2	5512.6	5513.5	5467.9	5422.4
72.5°	515.4	520.9	591.6	920.0	1332.1	2198.2	3850.3	4400.0	4463.3	4381.4	4324.7
75°	370.2	378.6	421.4	562.8	794.4	1319.1	2495.8	3077.2	3079.1	2934.0	2804.7
77.5°	107.9	112.6	158.1	347.0	595.4	890.2	1433.5	1710.7	1670.7	1566.5	1468.8
80°	44.7	44.7	46.5	110.7	239.1	604.7	1002.8	1317.2	1312.6	1272.6	1214.9
82.5°	16.7	17.7	22.3	45.6	56.7	148.8	668.8	1143.3	1140.5	1083.7	1042.8
85°	1.9	1.9	5.6	19.5	21.4	27.9	134.0	504.2	501.4	504.2	441.9
87.5°	0.0	0.0	0.9	1.9	2.8	3.7	5.6	19.5	21.4	20.5	18.6
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	159.1	157.2	157.2	156.3	156.3	156.3	155.3	154.4	154.4	153.5	152.6
5°	174.0	172.1	171.2	169.3	168.4	167.4	165.6	164.7	162.8	161.9	160.9
7.5°	191.6	187.9	187.0	184.2	181.4	179.5	177.7	174.9	173.0	169.3	168.4
10°	214.0	209.3	205.6	201.9	199.1	194.4	191.6	187.9	184.2	181.4	178.6
12.5°	242.8	236.3	230.7	227.0	220.5	214.9	209.3	206.5	199.1	195.4	190.7
15°	274.4	267.0	260.5	253.0	248.4	239.1	231.6	223.3	219.5	213.0	205.6
17.5°	315.4	303.3	293.0	285.6	276.3	267.0	258.6	250.2	239.1	231.6	222.3
20°	359.1	348.8	334.9	321.9	310.7	299.5	287.4	276.3	266.0	254.0	242.8
22.5°	414.9	400.0	383.3	370.2	355.4	343.3	326.5	311.6	294.9	279.1	266.0
25°	485.6	466.0	450.2	431.6	414.0	395.4	374.9	356.3	334.9	320.0	297.7
27.5°	573.0	554.4	533.0	508.8	491.2	463.3	436.3	413.0	387.9	364.7	339.5
30°	684.7	657.7	635.4	612.1	576.7	549.8	518.1	486.5	452.1	428.8	390.7
32.5°	818.6	789.8	756.3	722.8	690.2	652.1	613.0	574.0	535.8	493.0	454.0
35°	982.3	947.9	909.8	873.5	823.3	782.3	733.0	679.1	636.3	587.0	537.7
37.5°	1199.1	1142.3	1108.8	1070.7	1002.8	947.0	892.1	838.1	762.8	710.7	640.9
40°	1470.7	1437.2	1382.3	1320.9	1259.5	1186.1	1111.6	1040.0	952.6	880.0	799.1
42.5°	1789.8	1740.5	1684.7	1596.3	1534.0	1447.5	1362.8	1267.9	1160.9	1067.9	973.0
45°	2089.3	2030.7	1987.9	1899.5	1834.4	1732.1	1629.8	1529.3	1405.6	1285.6	1175.8
47.5°	2413.0	2364.7	2294.0	2222.3	2156.3	2040.9	1930.2	1808.4	1678.1	1535.8	1393.5
50°	2697.7	2659.6	2611.2	2524.7	2451.2	2354.4	2224.2	2091.2	1926.5	1785.1	1623.3
52.5°	2939.6	2909.8	2841.9	2780.5	2714.4	2623.3	2507.0	2379.5	2201.9	2046.5	1862.3
55°	3225.1	3203.7	3144.2	3106.1	3047.5	2960.0	2851.2	2733.0	2545.1	2375.8	2167.5
57.5°	3693.0	3676.3	3624.2	3608.4	3550.7	3474.4	3340.5	3214.0	2994.4	2784.2	2546.1
60°	4467.9	4434.4	4358.2	4319.1	4197.2	4094.9	3921.0	3747.0	3481.9	3214.0	2927.5
62.5°	5297.7	5203.8	5058.6	4934.0	4761.0	4583.3	4350.7	4084.7	3774.0	3455.8	3126.5
65°	5745.2	5585.2	5401.9	5203.8	4979.6	4718.2	4425.1	4106.1	3772.1	3436.3	3088.4
66°	5796.3	5615.8	5421.4	5201.0	4951.7	4673.5	4375.8	4041.0	3694.0	3366.5	3018.6
67.5°	5732.1	5543.3	5337.7	5093.1	4823.3	4534.9	4222.4	3874.4	3540.5	3208.4	2869.8
70°	5282.8	5094.9	4911.7	4654.0	4366.5	4076.3	3780.5	3391.6	3075.4	2770.2	2468.9
72.5°	4218.6	4091.2	3909.8	3689.3	3409.3	3068.9	2822.3	2474.4	2200.0	1904.2	1670.7
75°	2636.3	2456.8	2232.6	1951.6	1737.7	1461.4	1317.2	1053.0	896.7	760.0	627.9
77.5°	1347.9	1213.0	1055.8	897.7	746.1	595.4	460.5	325.6	219.5	152.6	113.5
80°	1113.5	994.4	864.2	720.0	586.1	454.9	327.4	223.3	142.3	93.0	72.6
82.5°	920.0	819.5	703.3	569.3	453.0	357.2	248.4	161.9	100.5	65.1	51.2
85°	391.6	355.4	274.4	217.7	163.7	120.9	84.7	56.7	40.0	32.6	29.8
87.5°	16.7	18.6	17.7	14.0	10.2	10.2	9.3	7.4	7.4	7.4	7.4
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	152.6	151.6	150.7	150.7	149.8	148.8	143.3	138.6	133.0	129.3	125.6
5°	159.1	158.1	156.3	155.3	153.5	152.6	140.5	130.2	121.9	115.3	110.7
7.5°	165.6	164.7	161.9	159.1	158.1	156.3	136.7	123.7	112.6	105.1	100.5
10°	174.0	171.2	168.4	164.7	161.9	159.1	133.0	116.3	104.2	97.7	93.0
12.5°	186.0	181.4	176.7	172.1	168.4	163.7	131.2	109.8	97.7	90.2	85.6
15°	200.0	193.5	187.9	182.3	175.8	171.2	127.4	104.2	92.1	84.7	79.1
17.5°	213.0	205.6	197.2	188.8	182.3	175.8	123.7	98.6	86.5	79.1	73.5
20°	231.6	220.5	210.2	200.0	190.7	182.3	118.1	93.0	81.9	73.5	67.9
22.5°	252.1	239.1	226.0	212.1	200.0	188.8	113.5	88.4	77.2	68.8	62.3
25°	278.1	262.3	244.7	227.0	213.0	198.1	108.8	83.7	72.6	64.2	57.7
27.5°	314.4	292.1	272.6	250.2	228.8	212.1	105.1	80.0	67.9	59.5	53.0
30°	363.7	331.2	300.5	276.3	251.2	227.0	101.4	75.3	64.2	54.9	47.4
32.5°	418.6	380.5	345.1	308.8	277.2	249.3	97.7	71.6	59.5	50.2	43.7
35°	486.5	438.1	390.7	348.8	310.7	273.5	94.0	67.9	55.8	45.6	39.1
37.5°	584.2	523.7	461.4	407.4	358.1	308.8	91.2	64.2	51.2	40.9	34.4
40°	718.1	640.0	563.7	490.2	426.0	364.7	87.4	60.5	47.4	37.2	30.7
42.5°	863.3	768.4	667.9	585.1	496.7	419.5	83.7	56.7	43.7	33.5	27.0
45°	1043.7	925.6	803.7	691.2	583.3	483.7	80.0	53.0	39.1	29.8	23.3
47.5°	1240.9	1090.2	952.6	811.2	682.8	563.7	75.3	50.2	35.3	26.0	20.5
50°	1443.7	1284.7	1110.7	949.8	797.2	643.7	70.7	45.6	31.6	23.3	16.7
52.5°	1662.3	1474.4	1296.8	1096.8	919.1	748.8	66.0	41.9	28.8	20.5	14.0
55°	1940.5	1730.2	1521.9	1297.7	1083.7	870.7	61.4	37.2	25.1	17.7	11.2
57.5°	2290.2	2040.9	1785.1	1532.1	1272.6	1030.7	57.7	32.6	21.4	14.9	9.3
60°	2620.5	2329.3	2019.5	1728.4	1435.4	1153.5	52.1	28.8	18.6	12.1	9.3
62.5°	2791.6	2459.5	2125.6	1804.7	1492.1	1197.2	46.5	24.2	15.8	10.2	8.4
65°	2749.8	2411.2	2087.5	1763.7	1457.7	1169.3	40.9	21.4	14.0	9.3	8.4
66°	2689.3	2354.4	2028.8	1720.9	1428.8	1139.5	38.1	20.5	13.0	9.3	7.4
67.5°	2557.2	2233.5	1922.8	1636.3	1349.8	1082.8	34.4	18.6	12.1	8.4	7.4
70°	2184.2	1890.2	1641.9	1387.0	1153.5	912.6	27.9	15.8	10.2	7.4	7.4
72.5°	1445.6	1245.6	1080.0	929.3	776.7	602.8	23.3	13.0	8.4	7.4	6.5
75°	545.1	493.0	423.3	380.5	332.1	291.2	18.6	8.4	6.5	6.5	6.5
77.5°	96.7	89.3	79.1	72.6	67.0	61.4	14.9	5.6	5.6	6.5	6.5
80°	65.1	60.5	54.9	50.2	46.5	41.9	10.2	4.7	5.6	5.6	6.5
82.5°	46.5	43.7	40.9	37.2	34.4	30.7	6.5	4.7	5.6	5.6	5.6
85°	27.9	26.0	24.2	22.3	19.5	18.6	4.7	4.7	4.7	5.6	5.6
87.5°	7.4	6.5	7.4	7.4	5.6	6.5	3.7	3.7	3.7	4.7	4.7
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: P180578

CATALOG NUMBER: ICM-E03-LED-E1-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	146.0	146.0	146.0	146.0	146.0
2.5°	123.7	123.7	121.9	124.7	124.7
5°	107.0	107.0	106.0	107.0	107.0
7.5°	97.7	96.7	96.7	96.7	97.7
10°	89.3	88.4	88.4	88.4	88.4
12.5°	81.9	80.9	80.0	80.9	80.9
15°	75.3	73.5	73.5	73.5	73.5
17.5°	69.8	67.9	67.0	67.0	67.0
20°	64.2	61.4	61.4	61.4	61.4
22.5°	58.6	55.8	55.8	55.8	55.8
25°	53.0	50.2	50.2	50.2	50.2
27.5°	48.4	45.6	45.6	45.6	45.6
30°	42.8	40.9	40.9	41.9	40.9
32.5°	39.1	36.3	36.3	37.2	37.2
35°	34.4	32.6	32.6	32.6	32.6
37.5°	29.8	27.9	27.9	27.9	27.9
40°	26.0	24.2	23.3	24.2	24.2
42.5°	22.3	20.5	19.5	19.5	19.5
45°	19.5	16.7	15.8	16.7	16.7
47.5°	15.8	14.0	14.0	14.9	14.9
50°	12.1	12.1	13.0	14.9	14.9
52.5°	11.2	11.2	13.0	14.9	14.9
55°	10.2	11.2	13.0	14.0	14.9
57.5°	9.3	11.2	13.0	14.0	14.0
60°	9.3	10.2	12.1	14.0	14.0
62.5°	8.4	9.3	11.2	13.0	13.0
65°	8.4	9.3	11.2	13.0	13.0
66°	8.4	9.3	11.2	13.0	13.0
67.5°	8.4	9.3	11.2	13.0	13.0
70°	8.4	9.3	11.2	12.1	12.1
72.5°	7.4	8.4	10.2	12.1	12.1
75°	7.4	8.4	10.2	12.1	12.1
77.5°	7.4	8.4	10.2	12.1	12.1
80°	7.4	8.4	10.2	11.2	12.1
82.5°	6.5	8.4	9.3	11.2	11.2
85°	6.5	7.4	9.3	10.2	11.2
87.5°	5.6	6.5	7.4	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)