

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: P180808

Luminaire Tested: **ICM-E06-LED-E1-SL4-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180808  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E06-LED-E1-SL4-HSS  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (126) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11357.1 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 150.5  
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

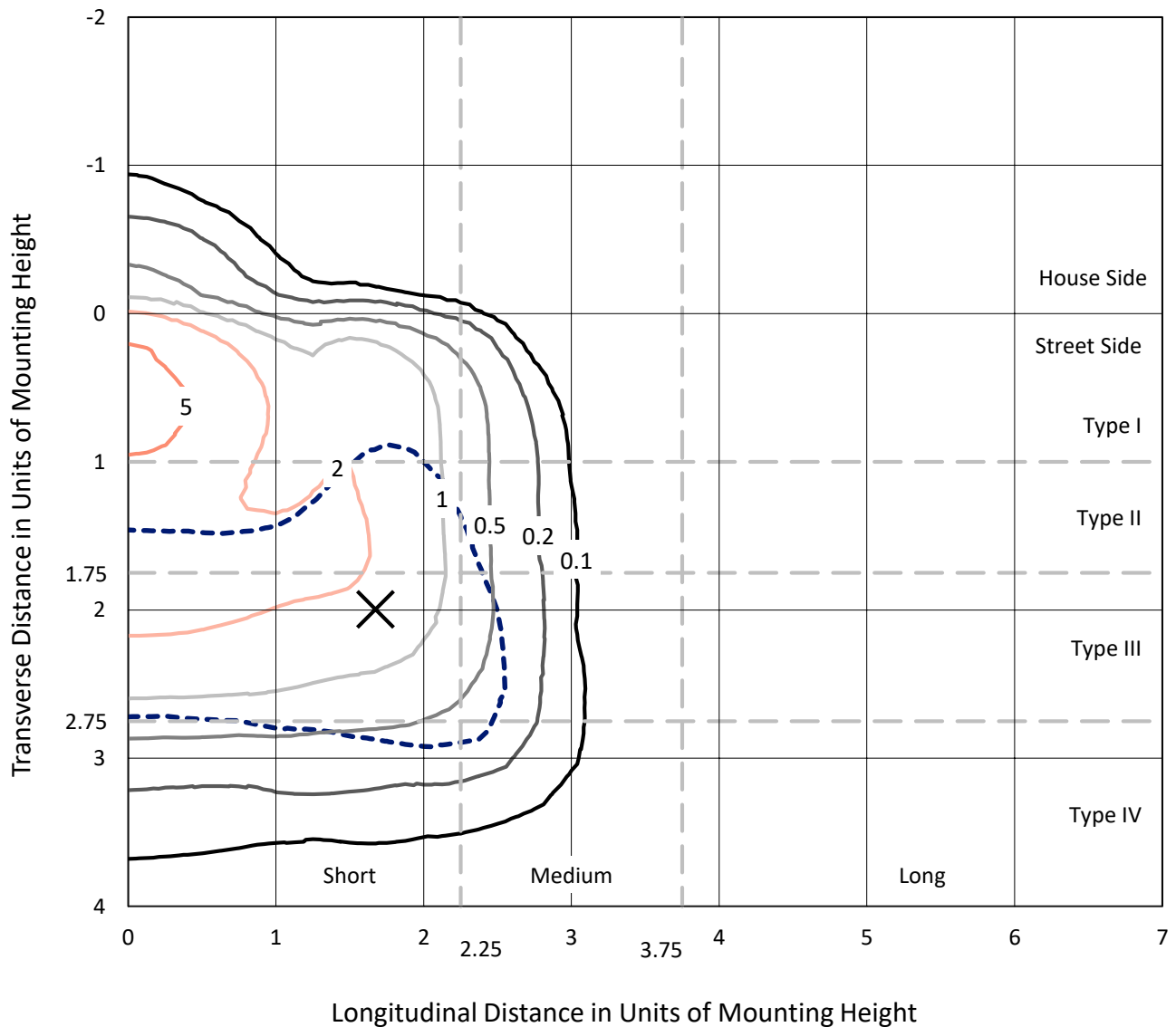


REPORT NUMBER: P180808

CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

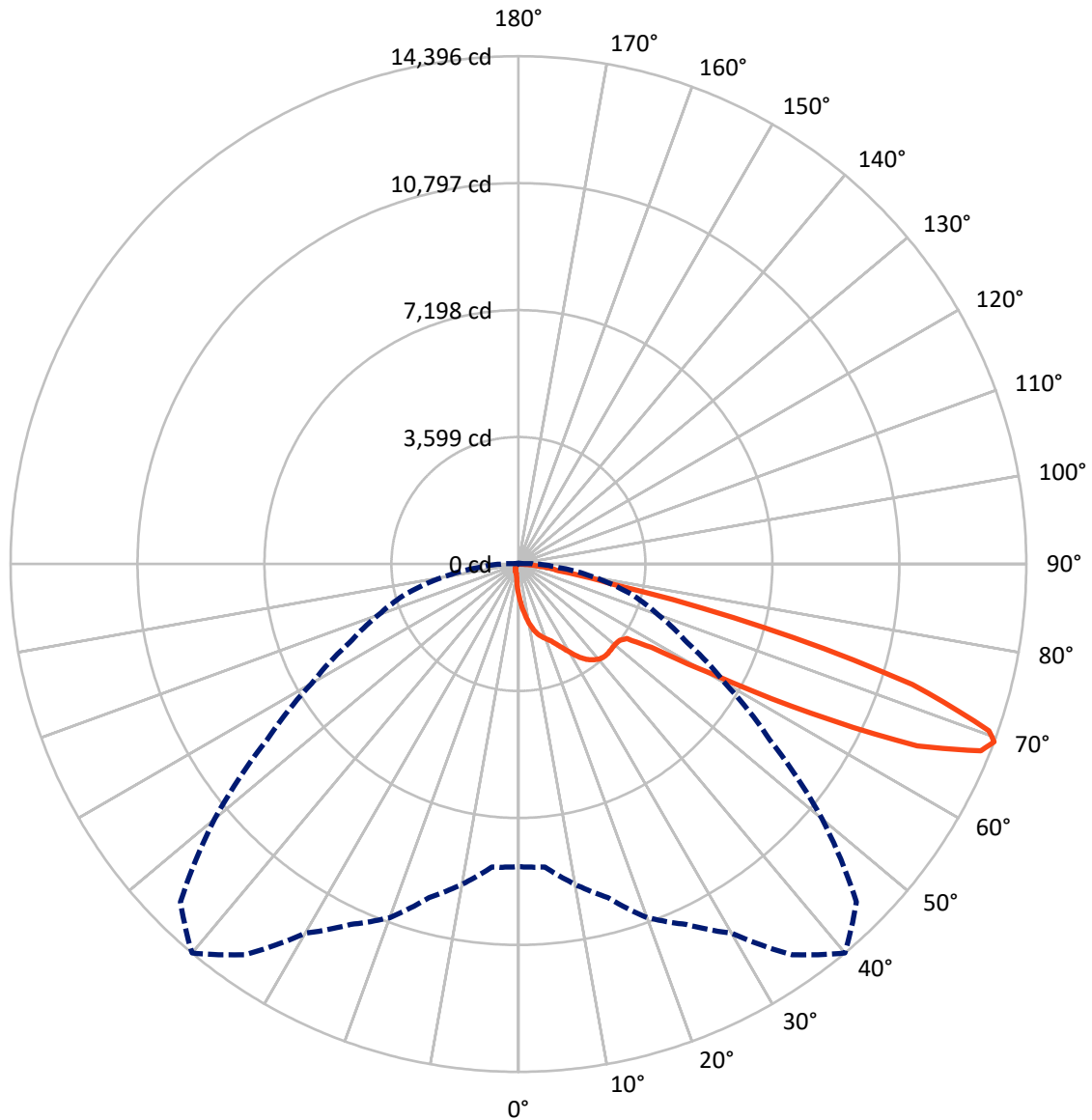


Based on 20 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P180808

CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180808

CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	338.2	0.0	338.2
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	11018.9	0.0	11018.9
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	11357.1	0.0	11357.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.2	0.8
10°-20°	303.9	2.7
20°-30°	581.7	5.1
30°-40°	967.4	8.5
40°-50°	1309.1	11.5
50°-60°	2047.3	18.0
60°-70°	4209.2	37.1
70°-80°	1693.7	14.9
80°-90°	156.7	1.4
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°	11357.1	100.0
0°-180°	11357.1	100.0



REPORT NUMBER: P180808

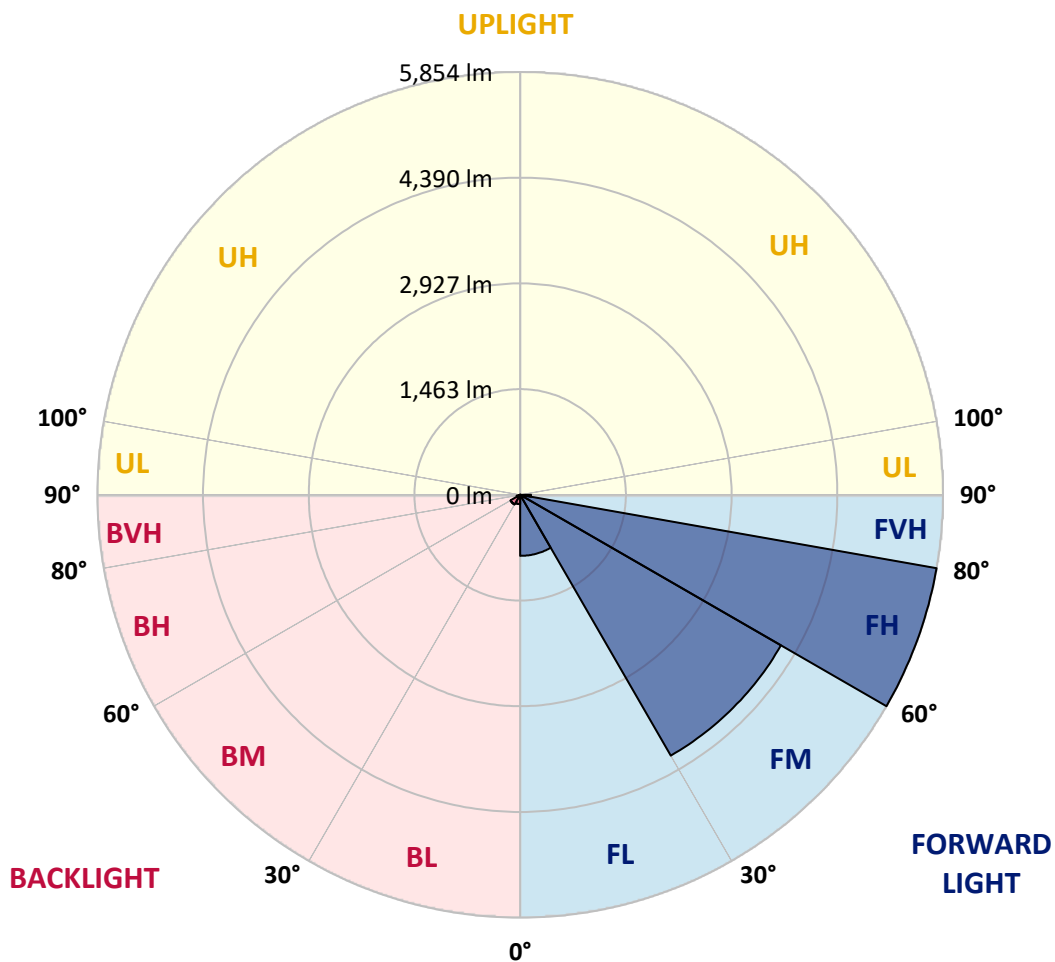
CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	845.2	7.4			
FM (30°-60°)	4169.4	36.7			
FH (60°-80°)	5853.5	51.5			G3/7500
FVH (80°-90°)	150.8	1.3			G2/225
BL (0°-30°)	128.6	1.1	B1/500		
BM (30°-60°)	154.4	1.4	B0/220		
BH (60°-80°)	49.3	0.4	B0/110		G0/110
BVH (80°-90°)	5.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





REPORT NUMBER: P180808

CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7
2.5°	1144.2	1131.2	1116.3	1116.3	1097.7	1097.7	1086.5	1056.8	1053.0	1036.3	1019.5
5°	1460.5	1449.3	1430.7	1414.0	1399.1	1373.0	1354.4	1319.1	1280.0	1242.8	1209.3
7.5°	1769.3	1763.7	1730.2	1724.7	1700.5	1657.7	1620.5	1568.4	1501.4	1449.3	1387.9
10°	2055.8	2042.8	2035.4	2003.7	1968.4	1921.9	1864.2	1800.9	1722.8	1640.9	1553.5
12.5°	2282.8	2275.4	2241.9	2228.9	2191.6	2145.1	2072.6	1990.7	1912.6	1806.5	1704.2
15°	2452.1	2439.1	2416.8	2396.3	2351.6	2310.7	2243.7	2154.4	2059.5	1944.2	1821.4
17.5°	2593.5	2569.3	2563.7	2532.1	2485.6	2437.2	2362.8	2280.9	2169.3	2054.0	1920.0
20°	2783.3	2749.8	2738.6	2692.1	2638.2	2571.2	2485.6	2383.3	2266.1	2139.5	2001.9
22.5°	3006.5	2982.3	2958.2	2917.2	2848.4	2753.5	2628.9	2517.2	2368.4	2228.9	2080.0
25°	3322.8	3302.3	3263.3	3207.5	3121.9	3008.4	2857.7	2694.0	2519.1	2340.5	2165.6
27.5°	3629.8	3611.2	3583.3	3540.5	3443.7	3319.1	3133.0	2924.7	2703.3	2487.5	2294.0
30°	3918.2	3901.4	3873.5	3830.7	3745.1	3622.3	3412.1	3188.9	2913.5	2662.3	2429.8
32.5°	4228.9	4223.3	4191.7	4130.3	4055.8	3890.3	3661.4	3421.4	3142.3	2852.1	2580.5
35°	4580.5	4537.7	4507.9	4446.5	4320.0	4143.3	3875.4	3613.0	3319.1	3021.4	2718.2
37.5°	4878.2	4837.2	4800.0	4721.9	4567.5	4342.4	4039.1	3750.7	3447.5	3144.2	2835.4
40°	5095.8	5075.4	5030.7	4928.4	4755.4	4487.5	4160.0	3845.6	3540.5	3235.4	2930.3
42.5°	5257.7	5226.1	5175.8	5069.8	4865.1	4560.0	4208.4	3884.7	3583.3	3291.2	2991.6
45°	5317.2	5291.2	5244.7	5129.3	4907.9	4580.5	4206.5	3873.5	3585.1	3307.9	3032.6
47.5°	5281.9	5255.8	5214.9	5107.0	4889.3	4556.3	4173.0	3841.9	3566.5	3313.5	3069.8
50°	5164.7	5149.8	5118.2	5027.0	4831.7	4509.8	4143.3	3825.1	3562.8	3341.4	3121.9
52.5°	5153.5	5144.2	5105.1	5014.0	4814.9	4494.9	4139.6	3834.4	3594.4	3376.8	3159.1
55°	6297.7	6165.6	5869.8	5618.6	5205.6	4714.4	4327.5	3985.1	3728.4	3516.3	3363.7
57.5°	8950.8	8753.5	8364.7	7886.6	6937.7	6005.6	5259.6	4720.0	4454.0	4357.2	4414.9
60°	10193.6	10158.2	10096.8	9869.8	9384.2	8582.4	7689.3	6723.8	6336.8	6303.3	6420.5
62.5°	10783.3	10761.0	10779.6	10751.7	10601.0	10366.6	10109.8	9693.1	9309.8	9062.4	8537.7
65°	11055.0	11069.8	11175.9	11259.6	11278.2	11339.6	11527.5	12046.6	12426.1	11788.0	10331.2
67.5°	10364.7	10452.2	10695.9	11001.0	11358.2	11704.3	12262.4	13356.4	14135.9	13386.1	11317.3
69°	8580.5	8623.3	9218.7	9793.5	10666.1	11276.3	12085.7	13520.1	14396.4	13549.9	11239.1
70°	6755.4	6794.5	7432.6	8214.0	9689.4	10474.5	11533.1	13242.9	14152.6	13332.2	10837.3
72.5°	3047.5	2991.6	3216.8	3635.4	5239.1	6485.6	8336.8	10729.4	11676.4	10681.0	8108.0
75°	2128.4	2104.2	2128.4	2130.2	2379.5	3069.8	3873.5	5815.8	7192.6	6206.5	3873.5
77.5°	1648.4	1631.6	1614.9	1596.3	1626.1	1821.4	1899.5	2063.3	2679.1	2534.0	1477.2
80°	1304.2	1289.3	1330.2	1317.2	1317.2	1339.5	1324.7	1263.3	1147.9	1064.2	952.6
82.5°	606.5	610.2	610.2	662.3	798.1	932.1	974.9	913.5	811.2	690.2	556.3
85°	57.7	65.1	109.8	169.3	336.7	379.5	381.4	316.3	316.3	249.3	200.9
87.5°	0.0	1.9	1.9	1.9	16.7	46.5	39.1	11.2	5.6	5.6	9.3
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: P180808

CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7
2.5°	989.8	984.2	961.9	939.5	919.1	896.7	876.3	855.8	833.5	816.7	796.3
5°	1157.2	1116.3	1069.8	1025.1	980.5	934.0	885.6	842.8	798.1	757.2	718.1
7.5°	1326.5	1246.5	1183.3	1103.3	1030.7	958.1	891.2	822.3	759.1	699.5	643.7
10°	1469.8	1373.0	1274.4	1172.1	1067.9	971.2	878.1	796.3	712.6	640.0	571.2
12.5°	1587.0	1464.2	1343.3	1214.9	1097.7	974.9	859.5	760.9	662.3	580.5	509.8
15°	1693.0	1551.6	1406.5	1257.7	1108.8	969.3	840.9	718.1	617.7	524.7	444.7
17.5°	1778.6	1616.8	1453.0	1285.6	1125.6	961.9	816.7	688.4	571.2	474.4	396.3
20°	1853.0	1683.7	1507.0	1319.1	1136.8	960.0	796.3	651.2	530.2	427.9	351.6
22.5°	1921.9	1752.6	1562.8	1361.9	1153.5	958.1	777.7	623.3	494.9	392.6	316.3
25°	2000.0	1821.4	1622.3	1406.5	1183.3	965.6	766.5	600.9	463.3	359.1	288.4
27.5°	2087.5	1899.5	1693.0	1462.3	1222.3	980.5	762.8	576.7	435.4	327.4	266.0
30°	2210.2	1992.6	1763.7	1518.1	1257.7	997.2	759.1	561.9	407.4	303.3	243.7
32.5°	2318.2	2083.7	1841.9	1575.8	1296.8	1014.0	757.2	541.4	381.4	279.1	227.0
35°	2431.6	2167.5	1908.8	1631.6	1330.2	1032.6	755.4	526.5	357.2	254.9	210.2
37.5°	2530.2	2238.2	1960.9	1680.0	1367.5	1049.3	757.2	513.5	334.9	234.4	195.4
40°	2614.0	2310.7	2018.6	1724.7	1406.5	1075.4	759.1	500.5	312.6	215.8	182.3
42.5°	2688.4	2379.5	2080.0	1774.9	1451.2	1105.1	770.2	489.3	294.0	199.1	169.3
45°	2746.1	2442.8	2147.0	1845.6	1523.7	1153.5	790.7	481.9	275.4	184.2	158.1
47.5°	2805.6	2535.8	2260.5	1957.2	1629.8	1229.8	826.1	480.0	260.5	173.0	148.8
50°	2887.5	2628.9	2360.9	2070.7	1726.5	1307.9	868.8	481.9	241.9	161.9	139.5
52.5°	2947.0	2723.7	2491.2	2267.9	1957.2	1546.1	1034.4	515.4	232.6	152.6	128.4
55°	3298.6	3259.6	3265.1	3302.3	3062.3	2630.7	1730.2	744.2	273.5	173.0	126.5
57.5°	4651.2	4788.9	4868.9	4867.0	4470.7	3707.9	2323.7	956.3	305.1	200.9	150.7
60°	6429.8	6325.6	6178.6	5815.8	5289.3	4232.6	2599.1	1028.8	264.2	160.0	137.7
62.5°	8001.9	7391.7	6850.3	6262.4	5572.1	4414.9	2654.9	1023.3	230.7	120.9	96.7
65°	8982.4	7884.7	7010.3	6273.5	5460.5	4262.4	2511.6	939.5	195.4	98.6	80.0
67.5°	9216.8	7618.7	6381.4	5441.9	4561.9	3317.2	1843.7	707.0	152.6	81.9	70.7
69°	8705.2	6772.1	5287.5	4221.4	3319.1	2200.9	1140.5	446.5	117.2	74.4	65.1
70°	8007.5	5890.3	4307.0	3387.9	2457.7	1546.1	798.1	314.4	94.9	68.8	59.5
72.5°	5151.7	3094.0	2117.2	1473.5	1014.0	615.8	312.6	141.4	72.6	57.7	48.4
75°	1998.2	1144.2	829.8	630.7	493.0	342.3	189.8	91.2	61.4	48.4	37.2
77.5°	984.2	753.5	615.8	422.3	245.6	152.6	102.3	70.7	50.2	35.3	24.2
80°	777.7	517.2	308.8	191.6	145.1	109.8	78.1	57.7	37.2	22.3	16.7
82.5°	398.1	217.7	160.0	130.2	107.9	85.6	63.3	40.9	24.2	14.9	13.0
85°	124.7	91.2	81.9	80.0	74.4	61.4	44.7	26.0	14.9	9.3	9.3
87.5°	9.3	13.0	16.7	13.0	14.9	13.0	16.7	11.2	7.4	7.4	5.6
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7	857.7
2.5°	781.4	759.1	738.6	725.6	701.4	692.1	682.8	679.1	662.3	666.1	651.2
5°	682.8	643.7	614.0	584.2	556.3	535.8	519.1	498.6	481.9	474.4	459.5
7.5°	593.5	543.3	504.2	472.6	439.1	413.0	390.7	375.8	360.9	346.0	338.6
10°	515.4	461.4	416.7	385.1	353.5	331.2	314.4	303.3	294.0	288.4	286.5
12.5°	442.8	390.7	349.8	321.9	297.7	286.5	279.1	273.5	271.6	269.8	269.8
15°	387.0	334.9	303.3	282.8	271.6	266.0	264.2	260.5	256.7	254.9	254.9
17.5°	334.9	295.8	273.5	262.3	256.7	253.0	249.3	245.6	241.9	240.0	240.0
20°	299.5	267.9	256.7	249.3	243.7	240.0	234.4	230.7	228.8	227.0	225.1
22.5°	271.6	251.2	243.7	238.1	230.7	225.1	221.4	217.7	214.0	212.1	210.2
25°	251.2	238.1	232.6	225.1	217.7	212.1	206.5	200.9	197.2	195.4	191.6
27.5°	236.3	227.0	219.5	210.2	202.8	197.2	191.6	186.0	182.3	178.6	176.7
30°	223.3	214.0	204.7	197.2	187.9	182.3	174.9	169.3	167.4	163.7	160.0
32.5°	210.2	200.9	191.6	182.3	173.0	165.6	161.9	154.4	150.7	148.8	145.1
35°	195.4	186.0	174.9	167.4	158.1	150.7	145.1	139.5	135.8	132.1	130.2
37.5°	182.3	171.2	160.0	150.7	143.3	135.8	130.2	124.7	120.9	117.2	115.3
40°	167.4	156.3	145.1	135.8	128.4	122.8	117.2	111.6	107.9	106.0	106.0
42.5°	154.4	141.4	130.2	122.8	117.2	109.8	104.2	98.6	96.7	94.9	96.7
45°	141.4	128.4	119.1	111.6	106.0	98.6	93.0	89.3	87.4	89.3	91.2
47.5°	130.2	117.2	107.9	102.3	96.7	91.2	85.6	81.9	81.9	85.6	89.3
50°	119.1	106.0	98.6	94.9	89.3	83.7	76.3	74.4	76.3	80.0	83.7
52.5°	107.9	93.0	87.4	85.6	80.0	74.4	68.8	67.0	68.8	72.6	70.7
55°	96.7	81.9	80.0	78.1	72.6	65.1	59.5	59.5	59.5	57.7	54.0
57.5°	93.0	72.6	70.7	68.8	63.3	55.8	52.1	48.4	46.5	40.9	39.1
60°	96.7	65.1	65.1	61.4	55.8	48.4	42.8	37.2	33.5	29.8	29.8
62.5°	78.1	59.5	57.7	54.0	46.5	39.1	33.5	27.9	26.0	24.2	24.2
65°	63.3	54.0	50.2	44.7	39.1	31.6	26.0	22.3	20.5	20.5	22.3
67.5°	57.7	48.4	42.8	37.2	31.6	24.2	20.5	18.6	18.6	20.5	20.5
69°	54.0	44.7	39.1	33.5	27.9	22.3	18.6	18.6	18.6	18.6	20.5
70°	50.2	42.8	37.2	31.6	24.2	18.6	16.7	16.7	18.6	18.6	20.5
72.5°	39.1	33.5	31.6	26.0	18.6	16.7	14.9	16.7	16.7	18.6	18.6
75°	29.8	24.2	24.2	20.5	14.9	13.0	13.0	14.9	14.9	16.7	16.7
77.5°	20.5	16.7	16.7	14.9	13.0	11.2	11.2	13.0	14.9	14.9	16.7
80°	14.9	13.0	11.2	13.0	11.2	9.3	11.2	13.0	13.0	14.9	14.9
82.5°	11.2	11.2	11.2	11.2	9.3	9.3	11.2	11.2	13.0	14.9	14.9
85°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	11.2	11.2	13.0	13.0
87.5°	5.6	5.6	5.6	7.4	7.4	9.3	9.3	9.3	9.3	11.2	11.2
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: P180808

CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	857.7	857.7	857.7	857.7
2.5°	647.4	645.6	638.1	640.0
5°	454.0	442.8	450.2	448.4
7.5°	333.0	331.2	329.3	333.0
10°	284.7	284.7	282.8	284.7
12.5°	267.9	267.9	267.9	267.9
15°	254.9	254.9	253.0	253.0
17.5°	240.0	240.0	240.0	238.1
20°	225.1	223.3	223.3	223.3
22.5°	208.4	206.5	206.5	206.5
25°	191.6	189.8	189.8	189.8
27.5°	174.9	173.0	171.2	171.2
30°	158.1	156.3	154.4	154.4
32.5°	141.4	139.5	137.7	137.7
35°	126.5	126.5	124.7	122.8
37.5°	113.5	113.5	113.5	113.5
40°	104.2	106.0	106.0	106.0
42.5°	98.6	100.5	102.3	104.2
45°	94.9	98.6	100.5	100.5
47.5°	93.0	94.9	96.7	96.7
50°	85.6	83.7	83.7	83.7
52.5°	68.8	65.1	63.3	61.4
55°	50.2	48.4	44.7	44.7
57.5°	35.3	35.3	33.5	33.5
60°	27.9	27.9	26.0	27.9
62.5°	24.2	24.2	24.2	24.2
65°	22.3	22.3	22.3	22.3
67.5°	22.3	22.3	22.3	22.3
69°	20.5	20.5	20.5	20.5
70°	20.5	20.5	20.5	20.5
72.5°	18.6	18.6	18.6	18.6
75°	16.7	18.6	18.6	18.6
77.5°	16.7	16.7	16.7	16.7
80°	14.9	14.9	16.7	16.7
82.5°	14.9	14.9	14.9	14.9
85°	13.0	13.0	14.9	14.9
87.5°	11.2	11.2	13.0	13.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)