

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: P141565

Luminaire Tested: **ECM-F03-LED-E1-SLR**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141565  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ECM-F03-LED-E1-SLR  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6477.6 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

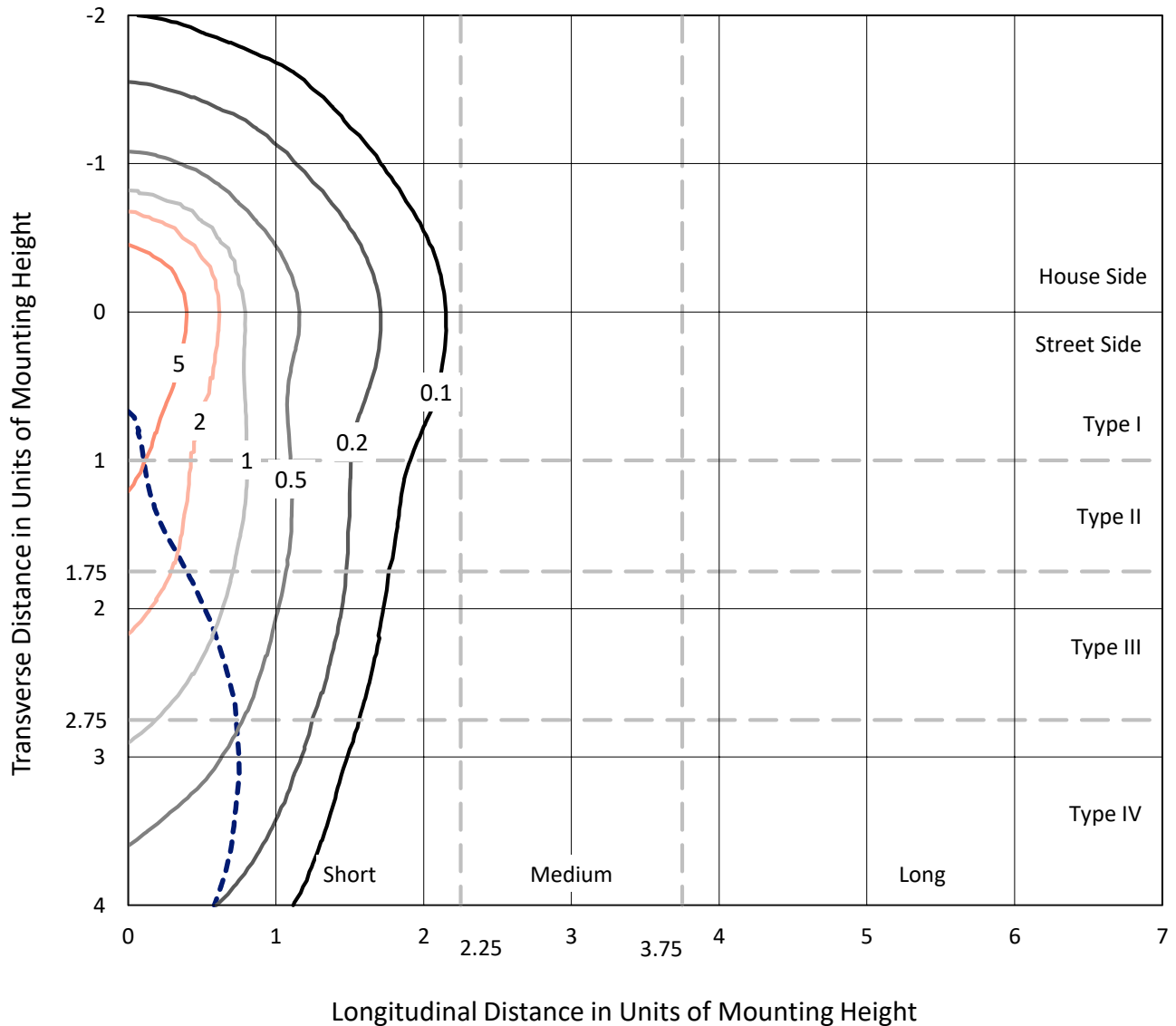
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P141565  
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### Iso-Footcandle Lines of Horizontal Illumination

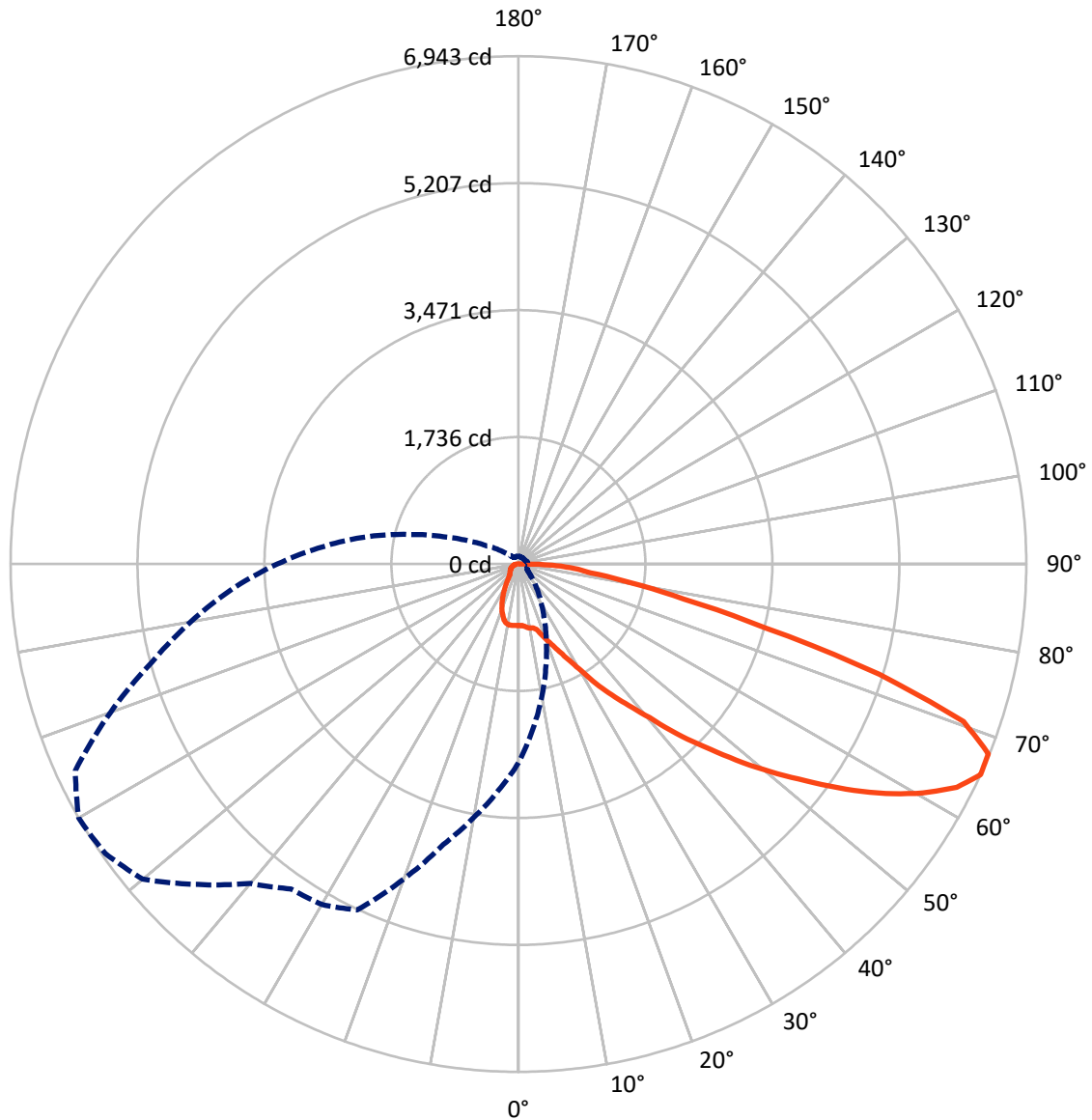
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P141565  
CATALOG NUMBER: ECM-F03-LED-E1-SLR

### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P141565

CATALOG NUMBER: ECM-F03-LED-E1-SLR

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1201.4	0.0	1201.4
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	5276.1	0.0	5276.1
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	6477.6	0.0	6477.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.5	1.3
10°-20°	244.7	3.8
20°-30°	406.5	6.3
30°-40°	594.2	9.2
40°-50°	903.9	14.0
50°-60°	1299.3	20.1
60°-70°	1597.5	24.7
70°-80°	1068.7	16.5
80°-90°	281.2	4.3
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°	6477.6	100.0
0°-180°	6477.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P141565

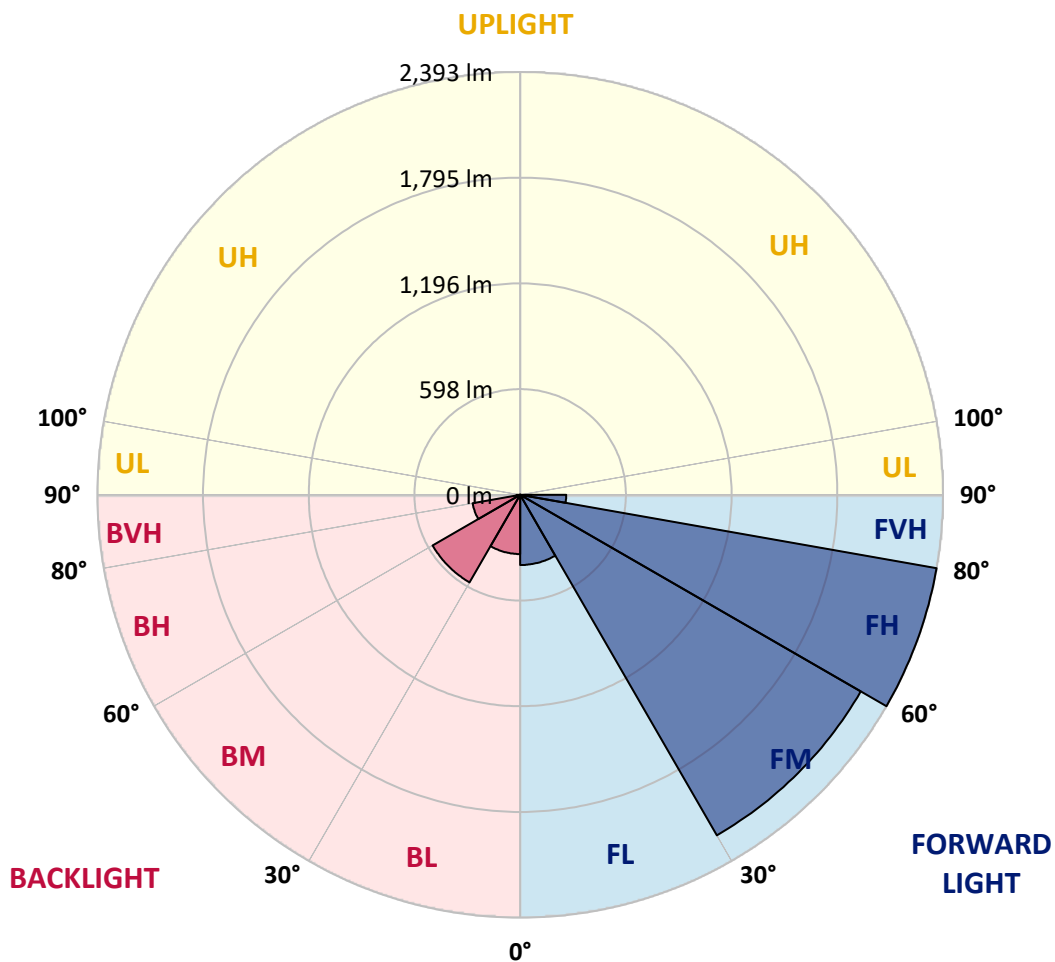
CATALOG NUMBER: ECM-F03-LED-E1-SLR

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	397.3	6.1			
FM	(30°-60°)	2225.3	34.4			
FH	(60°-80°)	2392.8	36.9			G2/5000
FVH	(80°-90°)	260.7	4.0			G3/500
BL	(0°-30°)	335.3	5.2	B1/500		
BM	(30°-60°)	572.3	8.8	B1/1000		
BH	(60°-80°)	273.4	4.2	B1/500		G1/500
BVH	(80°-90°)	20.4	0.3			G1/100
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: P141565

CATALOG NUMBER: ECM-F03-LED-E1-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	842.9	845.3	845.3	843.7	842.9	843.7	844.5	843.7	844.5	846.2	845.3
5°	832.1	833.8	834.6	834.6	834.6	836.3	838.7	837.9	840.4	842.0	842.0
7.5°	806.5	809.8	809.8	810.7	812.3	814.8	818.9	820.6	824.7	830.5	832.1
10°	790.9	791.7	789.2	788.4	790.0	795.0	797.5	801.6	808.2	814.8	821.4
12.5°	795.0	795.8	791.7	792.5	792.5	795.0	802.4	805.7	808.2	812.3	818.9
15°	828.8	828.8	823.9	825.5	826.4	829.7	829.7	823.9	822.2	818.1	814.8
17.5°	874.2	867.6	866.8	866.0	869.3	866.0	858.5	845.3	829.7	813.1	799.9
20°	921.3	922.1	917.2	916.3	907.3	895.7	874.2	847.8	819.7	794.2	767.7
22.5°	991.5	993.1	984.0	965.9	946.1	915.5	876.7	836.3	795.8	760.3	729.8
25°	1097.9	1080.6	1060.0	1022.0	971.6	918.0	864.3	814.0	761.1	714.1	675.3
27.5°	1203.6	1168.9	1113.6	1051.7	980.7	911.4	847.8	780.1	717.4	660.4	615.8
30°	1301.9	1237.5	1158.2	1069.9	979.1	889.9	809.0	732.2	657.9	596.9	544.0
32.5°	1401.7	1307.6	1197.8	1074.0	954.3	847.8	754.5	666.2	592.7	518.4	461.5
35°	1527.2	1385.2	1221.8	1058.3	911.4	781.8	681.9	597.7	518.4	443.3	383.9
37.5°	1642.0	1447.1	1234.2	1031.9	855.2	713.3	603.5	517.6	443.3	379.7	328.6
40°	1726.2	1487.6	1232.5	998.1	798.3	643.1	534.9	457.3	390.5	340.1	300.5
42.5°	1792.2	1510.7	1224.3	965.9	748.8	591.9	490.4	419.4	366.5	326.1	295.5
45°	1837.6	1527.2	1219.3	940.3	715.7	567.1	475.5	416.1	371.5	335.2	300.5
47.5°	1877.2	1546.2	1217.6	928.7	708.3	574.6	495.3	441.7	392.9	345.9	299.7
50°	1916.9	1565.2	1232.5	947.7	736.4	615.8	541.5	473.0	406.2	342.6	285.6
52.5°	1971.4	1620.5	1287.8	1002.2	797.5	673.6	585.3	498.6	408.6	334.3	272.4
55°	2053.1	1706.4	1367.1	1074.0	863.5	736.4	620.8	508.5	406.2	325.3	260.0
57.5°	2186.8	1832.7	1475.2	1173.9	949.4	785.1	640.6	512.7	400.4	315.4	250.1
60°	2356.0	1977.1	1611.4	1278.7	1022.8	818.9	648.9	511.0	392.1	303.8	236.1
62.5°	2548.4	2135.6	1734.4	1374.5	1075.7	834.6	645.6	497.8	373.1	279.9	216.3
65°	2717.6	2261.9	1837.6	1451.3	1108.7	834.6	624.9	467.2	339.3	246.0	190.7
67.5°	2856.3	2368.4	1916.9	1495.9	1112.0	805.7	575.4	411.9	285.6	203.9	161.0
70°	2929.0	2402.3	1941.6	1490.9	1056.7	722.3	484.6	320.3	209.7	158.5	129.6
72.5°	2848.9	2322.2	1836.0	1347.3	881.7	539.1	339.3	217.9	150.2	123.0	107.3
75°	2535.2	1970.5	1528.0	1041.8	631.5	336.0	210.5	152.7	118.9	102.4	94.1
77.5°	1892.9	1468.6	1051.7	659.6	361.6	203.9	147.8	116.4	99.9	90.0	82.6
80°	1190.4	904.8	632.4	363.2	206.4	150.2	123.0	104.0	90.8	78.4	71.0
82.5°	662.9	482.1	322.0	207.2	143.6	121.4	106.5	95.8	80.9	68.5	61.1
85°	453.2	298.0	203.1	136.2	99.1	88.3	79.3	72.6	61.9	52.0	47.9
87.5°	184.1	171.7	124.7	54.5	40.5	36.3	32.2	39.6	33.0	25.6	23.9
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: P141565

CATALOG NUMBER: ECM-F03-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	847.0	845.3	846.2	845.3	844.5	843.7	842.9	843.7	842.0	842.9	842.9
5°	844.5	842.9	845.3	844.5	842.9	842.9	842.0	842.0	842.0	842.0	842.9
7.5°	837.1	837.1	839.6	839.6	837.9	837.9	836.3	835.4	835.4	836.3	837.9
10°	827.2	829.7	833.8	832.1	828.8	827.2	824.7	823.0	822.2	823.9	825.5
12.5°	819.7	821.4	818.9	816.4	811.5	805.7	804.9	800.8	798.3	802.4	802.4
15°	807.4	800.8	791.7	783.4	771.9	766.1	759.5	757.8	752.1	752.9	757.0
17.5°	780.9	763.6	749.6	741.3	731.4	727.3	719.9	715.7	711.6	707.5	710.0
20°	743.8	724.8	706.6	695.9	680.2	676.9	664.5	664.5	659.6	660.4	665.4
22.5°	696.7	667.8	644.7	631.5	615.0	608.4	602.6	598.5	596.0	601.0	595.2
25°	634.8	600.2	578.7	559.7	541.5	534.9	527.5	525.0	525.9	522.6	528.3
27.5°	571.3	528.3	505.2	483.8	470.5	459.0	453.2	451.6	448.3	457.3	452.4
30°	491.2	452.4	425.1	402.9	387.2	381.4	375.6	374.0	378.9	372.3	369.0
32.5°	410.3	368.2	345.1	326.1	314.5	303.0	301.3	298.0	292.2	299.7	298.0
35°	336.8	301.3	277.4	265.8	250.1	245.2	235.3	232.8	233.6	235.3	234.4
37.5°	292.2	267.5	246.0	230.3	218.8	212.2	208.9	205.6	205.6	203.9	203.1
40°	271.6	251.0	231.1	216.3	207.2	202.3	199.0	195.6	193.2	190.7	188.2
42.5°	268.3	243.5	221.2	206.4	198.1	196.5	195.6	193.2	189.9	185.7	182.4
45°	265.8	234.4	211.3	198.1	192.3	191.5	191.5	189.0	186.6	182.4	177.5
47.5°	257.6	222.9	200.6	190.7	188.2	189.0	188.2	185.7	184.1	180.0	174.2
50°	239.4	205.6	184.1	176.7	175.8	175.0	175.0	174.2	172.5	169.2	163.5
52.5°	223.7	189.9	172.5	167.6	165.9	165.9	164.3	163.5	160.2	157.7	153.5
55°	213.8	181.6	166.8	163.5	163.5	162.6	161.0	158.5	156.0	152.7	147.8
57.5°	204.7	175.0	162.6	160.2	161.0	160.2	158.5	156.8	153.5	149.4	143.6
60°	191.5	165.1	154.4	153.5	155.2	156.8	156.0	155.2	152.7	146.9	138.7
62.5°	172.5	148.6	140.3	142.0	143.6	145.3	144.5	143.6	141.2	136.2	128.8
65°	153.5	136.2	131.3	132.9	134.6	134.6	134.6	132.9	131.3	125.5	119.7
67.5°	135.4	124.7	123.0	124.7	125.5	125.5	126.3	124.7	122.2	118.1	112.3
70°	115.6	110.6	110.6	112.3	113.1	112.3	113.1	110.6	108.1	105.7	99.9
72.5°	103.2	103.2	102.4	102.4	102.4	100.7	99.9	98.2	95.8	93.3	88.3
75°	91.6	91.6	90.8	92.5	89.2	86.7	85.9	84.2	81.7	78.4	75.1
77.5°	78.4	76.8	76.8	79.3	78.4	75.1	72.6	71.8	68.5	65.2	63.6
80°	67.7	66.0	66.0	65.2	63.6	62.7	59.4	56.1	55.3	55.3	52.8
82.5°	59.4	58.6	56.1	54.5	52.0	49.5	47.1	45.4	42.9	42.1	42.9
85°	47.1	47.9	45.4	43.8	41.3	38.0	35.5	33.8	32.2	32.2	35.5
87.5°	27.2	25.6	25.6	24.8	23.9	21.5	21.5	19.0	18.2	23.1	23.9
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: P141565

CATALOG NUMBER: ECM-F03-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	843.7	843.7	841.2	842.9	842.0	842.9	846.2	842.9	842.0	844.5	847.0
5°	843.7	845.3	842.9	844.5	844.5	847.0	851.1	848.6	850.3	853.6	856.9
7.5°	840.4	842.9	842.9	846.2	848.6	852.8	858.5	856.9	860.2	865.2	869.3
10°	831.3	835.4	839.6	844.5	850.3	856.9	865.2	865.2	868.5	875.1	879.2
12.5°	809.0	819.7	824.7	836.3	845.3	855.2	864.3	870.1	872.6	878.4	883.3
15°	764.4	777.6	787.6	801.6	816.4	830.5	846.2	851.9	856.9	859.4	861.8
17.5°	713.3	722.3	728.9	747.1	763.6	776.8	791.7	799.1	804.9	804.9	806.5
20°	671.2	675.3	676.9	676.9	686.8	699.2	718.2	715.7	720.7	715.7	720.7
22.5°	605.9	599.3	602.6	602.6	609.2	606.8	614.2	626.6	624.9	628.2	642.3
25°	526.7	527.5	521.7	521.7	522.6	524.2	527.5	530.8	542.4	554.8	563.8
27.5°	451.6	449.9	445.8	442.5	439.2	445.0	449.1	448.3	464.8	474.7	491.2
30°	369.0	369.0	369.8	368.2	371.5	367.4	374.0	375.6	389.6	400.4	415.2
32.5°	300.5	302.1	302.1	301.3	307.1	303.0	306.3	310.4	319.5	328.6	336.0
35°	238.6	241.1	247.7	250.1	252.6	249.3	253.4	258.4	259.2	267.5	273.2
37.5°	202.3	206.4	207.2	208.9	208.9	211.3	212.2	215.5	215.5	217.9	219.6
40°	186.6	184.9	184.1	183.3	181.6	182.4	183.3	185.7	186.6	188.2	188.2
42.5°	179.1	176.7	172.5	170.1	166.8	166.8	166.8	166.8	169.2	170.9	170.9
45°	172.5	168.4	164.3	160.2	157.7	156.0	156.8	157.7	159.3	160.2	161.0
47.5°	168.4	162.6	156.0	151.9	149.4	147.8	148.6	149.4	149.4	150.2	151.1
50°	156.8	151.1	145.3	141.2	138.7	137.9	137.9	137.0	137.9	138.7	138.7
52.5°	147.8	142.0	137.0	132.9	130.4	130.4	129.6	128.0	128.8	128.0	128.8
55°	142.8	135.4	129.6	125.5	123.0	123.0	121.4	122.2	122.2	120.5	121.4
57.5°	137.0	129.6	124.7	119.7	116.4	116.4	115.6	116.4	117.2	114.7	114.7
60°	131.3	124.7	118.9	114.7	110.6	111.4	110.6	112.3	112.3	109.8	109.8
62.5°	120.5	114.7	111.4	109.0	105.7	106.5	106.5	109.0	106.5	104.8	104.0
65°	112.3	108.1	103.2	103.2	99.9	101.5	101.5	101.5	99.1	98.2	99.1
67.5°	106.5	101.5	98.2	94.9	92.5	93.3	91.6	91.6	90.8	90.0	91.6
70°	95.8	91.6	90.0	86.7	85.0	82.6	81.7	81.7	81.7	80.9	81.7
72.5°	85.0	81.7	80.1	76.8	75.1	73.5	72.6	71.8	71.0	71.8	71.8
75°	71.8	70.2	68.5	66.9	65.2	64.4	63.6	63.6	62.7	61.9	62.7
77.5°	61.9	59.4	58.6	57.0	57.8	55.3	54.5	55.3	55.3	55.3	56.1
80°	52.8	51.2	51.2	49.5	48.7	47.1	47.9	47.9	47.9	47.9	48.7
82.5°	46.2	44.6	44.6	43.8	41.3	39.6	40.5	42.1	42.1	41.3	42.9
85°	38.0	36.3	36.3	35.5	32.2	31.4	30.5	32.2	33.0	31.4	33.0
87.5°	24.8	23.1	22.3	22.3	19.0	13.2	17.3	19.0	19.0	15.7	18.2
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: P141565

CATALOG NUMBER: ECM-F03-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	846.2	847.8	847.8	849.5	852.8	849.5	847.8	850.3	850.3	849.5	849.5
5°	856.9	860.2	861.0	866.0	868.5	866.8	868.5	870.1	870.9	869.3	870.9
7.5°	870.9	875.1	879.2	885.0	889.9	889.1	891.6	894.9	895.7	895.7	897.3
10°	882.5	888.3	892.4	899.8	905.6	907.3	909.7	913.9	918.0	918.0	921.3
12.5°	885.0	891.6	895.7	902.3	912.2	915.5	921.3	931.2	935.3	938.6	941.1
15°	863.5	869.3	875.1	884.1	895.7	905.6	918.8	932.8	945.2	954.3	957.6
17.5°	807.4	808.2	814.0	827.2	851.1	861.8	878.4	907.3	924.6	941.1	956.8
20°	724.8	740.5	746.3	763.6	786.7	803.2	822.2	848.6	875.1	904.8	931.2
22.5°	652.2	672.8	689.3	710.0	728.9	747.9	771.9	795.0	823.9	852.8	884.1
25°	577.9	596.9	620.0	642.3	664.5	688.5	718.2	743.0	771.9	805.7	845.3
27.5°	506.0	525.9	551.5	577.9	596.0	628.2	653.0	689.3	722.3	759.5	804.1
30°	430.9	449.9	462.3	491.2	516.8	549.0	586.9	622.4	662.1	703.3	755.4
32.5°	349.2	360.8	378.1	397.9	427.6	461.5	501.1	539.1	593.6	644.7	694.3
35°	279.9	285.6	284.8	307.1	320.3	360.8	410.3	446.6	501.1	563.8	629.0
37.5°	220.4	219.6	224.5	227.8	244.4	270.8	309.6	356.6	419.4	487.1	552.3
40°	188.2	189.0	189.9	189.9	193.2	210.5	245.2	293.9	354.2	414.4	486.2
42.5°	173.4	175.0	175.8	177.5	179.1	184.9	209.7	255.1	306.3	370.7	435.1
45°	162.6	165.1	167.6	167.6	169.2	170.9	184.9	219.6	270.8	331.9	399.6
47.5°	153.5	156.0	157.7	158.5	160.2	161.8	169.2	193.2	242.7	298.0	368.2
50°	140.3	142.8	144.5	146.9	146.9	146.9	151.9	169.2	207.2	261.7	330.2
52.5°	129.6	131.3	133.7	135.4	136.2	137.0	139.5	149.4	178.3	229.5	293.9
55°	123.8	125.5	128.0	129.6	131.3	132.1	133.7	137.9	158.5	202.3	262.5
57.5°	116.4	118.9	122.2	123.8	125.5	126.3	127.1	128.8	142.8	175.8	225.4
60°	111.4	115.6	119.7	122.2	123.0	123.8	124.7	123.0	128.8	149.4	188.2
62.5°	105.7	109.8	113.1	116.4	117.2	118.1	118.9	116.4	115.6	125.5	146.9
65°	100.7	103.2	105.7	108.1	108.1	109.0	108.1	104.8	102.4	102.4	112.3
67.5°	94.1	95.8	98.2	99.1	99.1	99.1	98.2	97.4	93.3	91.6	93.3
70°	84.2	86.7	89.2	90.8	90.8	90.0	89.2	86.7	85.0	83.4	85.0
72.5°	75.1	78.4	79.3	80.1	79.3	79.3	79.3	77.6	78.4	78.4	79.3
75°	66.0	67.7	67.7	69.3	69.3	69.3	69.3	69.3	71.0	70.2	71.0
77.5°	56.1	57.0	58.6	58.6	58.6	59.4	61.1	61.1	62.7	63.6	63.6
80°	48.7	47.1	47.1	46.2	47.1	48.7	50.4	53.7	53.7	54.5	55.3
82.5°	38.8	35.5	33.8	35.5	35.5	36.3	39.6	42.9	42.9	45.4	46.2
85°	29.7	25.6	22.3	23.9	23.9	25.6	28.9	30.5	33.0	33.8	33.0
87.5°	17.3	14.9	9.9	8.3	9.9	12.4	13.2	14.9	12.4	14.0	14.9
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: P141565

CATALOG NUMBER: ECM-F03-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	851.1	851.1	847.0	847.0	847.8	849.5	845.3	844.5	845.3	844.5	843.7
5°	873.4	870.9	870.1	868.5	867.6	869.3	865.2	865.2	864.3	862.7	860.2
7.5°	898.2	896.5	894.9	893.2	891.6	892.4	888.3	887.4	886.6	885.8	883.3
10°	921.3	918.8	917.2	913.0	909.7	906.4	898.2	895.7	893.2	891.6	890.7
12.5°	940.3	937.8	932.0	924.6	919.6	911.4	904.8	899.0	896.5	894.0	894.9
15°	958.4	953.5	946.1	937.0	932.0	923.8	918.8	916.3	914.7	913.0	914.7
17.5°	964.2	965.9	961.7	959.3	956.0	952.7	953.5	956.0	960.9	960.9	960.9
20°	953.5	971.6	983.2	992.3	999.7	1004.7	1005.5	1008.0	1013.7	1016.2	1028.6
22.5°	927.9	974.9	1013.7	1045.1	1064.9	1071.5	1079.0	1087.2	1088.0	1090.5	1102.1
25°	903.9	972.5	1030.3	1079.8	1126.0	1158.2	1176.4	1192.9	1197.0	1200.3	1200.3
27.5°	861.8	937.8	1012.1	1078.1	1141.7	1195.4	1237.5	1280.4	1310.1	1320.8	1336.5
30°	817.3	897.3	974.1	1057.5	1138.4	1213.5	1289.5	1358.8	1407.5	1443.8	1472.7
32.5°	761.1	847.8	935.3	1026.1	1122.7	1216.8	1318.4	1419.1	1511.5	1584.2	1628.8
35°	702.5	793.3	884.1	984.0	1093.0	1206.9	1336.5	1470.3	1594.1	1712.1	1813.7
37.5°	638.1	724.0	823.0	937.0	1054.2	1190.4	1341.5	1507.4	1679.1	1848.4	1979.6
40°	564.7	648.0	743.8	863.5	1005.5	1159.0	1339.0	1536.3	1751.8	1962.3	2173.6
42.5°	514.3	591.1	682.7	803.2	947.7	1123.5	1329.1	1562.7	1817.8	2078.7	2344.5
45°	476.3	551.5	641.4	757.0	903.9	1088.9	1325.8	1592.4	1887.1	2186.0	2496.4
47.5°	443.3	520.9	607.6	721.5	863.5	1057.5	1318.4	1617.2	1944.9	2268.5	2628.5
50°	411.1	490.4	579.5	694.3	833.8	1023.7	1301.9	1639.5	1999.4	2354.4	2737.4
52.5°	375.6	454.0	549.8	667.0	814.8	1002.2	1284.5	1657.7	2052.3	2446.0	2850.5
55°	337.6	416.9	511.0	634.8	789.2	985.7	1267.2	1669.2	2107.6	2528.6	2952.1
57.5°	296.4	375.6	467.2	593.6	757.8	963.4	1248.2	1668.4	2148.0	2606.2	3061.9
60°	246.0	317.8	408.6	535.8	703.3	932.0	1232.5	1661.8	2176.9	2674.7	3184.0
62.5°	187.4	248.5	331.9	450.7	624.9	871.8	1191.2	1633.7	2180.2	2724.2	3285.6
65°	133.7	166.8	232.8	351.7	496.1	737.2	1091.3	1559.4	2125.7	2688.7	3294.7
67.5°	102.4	120.5	152.7	223.7	351.7	561.4	919.6	1392.7	1956.5	2499.7	3142.8
70°	88.3	97.4	114.7	146.1	220.4	364.1	651.3	1100.4	1611.4	2150.5	2699.5
72.5°	81.7	87.5	98.2	113.9	140.3	214.6	401.2	739.7	1183.8	1639.5	2119.9
75°	75.1	80.9	89.2	99.1	112.3	143.6	218.8	435.1	730.6	1083.1	1424.9
77.5°	66.9	71.8	82.6	91.6	99.9	112.3	139.5	241.9	402.0	648.0	852.8
80°	56.1	61.1	69.3	83.4	91.6	99.9	109.0	148.6	222.1	335.2	437.5
82.5°	46.2	48.7	55.3	67.7	75.1	79.3	81.7	96.6	126.3	165.1	241.1
85°	32.2	32.2	37.1	43.8	49.5	46.2	47.1	49.5	65.2	91.6	184.9
87.5°	12.4	9.1	11.6	14.0	14.0	13.2	15.7	14.9	20.6	38.8	52.8
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: P141565  
 CATALOG NUMBER: ECM-F03-LED-E1-SLR

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	0°
2.5°	843.7	843.7	842.9	842.0	841.2	841.2	839.6	842.0	841.2	842.0	842.9	2.5°
5°	861.0	859.4	857.7	856.1	856.1	854.4	851.9	851.1	847.8	847.0	844.5	5°
7.5°	885.8	885.8	885.8	884.1	880.8	876.7	871.8	868.5	859.4	852.8	845.3	7.5°
10°	892.4	894.0	894.9	895.7	892.4	891.6	885.8	879.2	868.5	858.5	848.6	10°
12.5°	894.9	898.2	899.0	899.8	897.3	895.7	889.9	885.8	876.7	866.8	861.8	12.5°
15°	918.0	923.8	930.4	929.5	937.0	928.7	923.8	924.6	914.7	903.9	900.6	15°
17.5°	977.4	979.9	993.9	994.8	1006.3	1009.6	1001.4	992.3	986.5	979.9	965.9	17.5°
20°	1041.8	1060.0	1064.9	1089.7	1101.3	1107.0	1107.9	1107.9	1097.1	1068.2	1056.7	20°
22.5°	1112.0	1139.2	1168.9	1184.6	1208.6	1211.9	1224.3	1216.8	1208.6	1186.3	1159.9	22.5°
25°	1225.1	1240.8	1267.2	1306.8	1318.4	1342.3	1337.4	1348.1	1329.9	1291.1	1275.4	25°
27.5°	1351.4	1378.6	1415.8	1452.9	1469.4	1495.9	1479.3	1495.9	1466.1	1455.4	1417.4	27.5°
30°	1489.2	1526.4	1592.4	1638.7	1672.5	1690.7	1679.9	1670.9	1662.6	1642.8	1640.3	30°
32.5°	1658.5	1703.1	1765.8	1826.1	1885.5	1947.4	1962.3	1975.5	2006.0	1945.8	1887.1	32.5°
35°	1867.3	1901.2	1971.4	2040.7	2122.4	2200.0	2328.0	2360.2	2318.9	2247.1	2153.0	35°
37.5°	2071.2	2148.0	2218.2	2300.7	2361.8	2451.0	2507.9	2571.5	2536.8	2470.0	2361.8	37.5°
40°	2321.4	2425.4	2521.2	2622.7	2692.0	2761.4	2868.7	2938.0	2931.4	2848.1	2701.9	40°
42.5°	2550.9	2716.0	2874.5	2950.4	3042.9	3168.4	3247.6	3358.2	3365.7	3269.1	3083.3	42.5°
45°	2791.1	2983.4	3176.6	3326.0	3404.5	3559.7	3741.3	3861.8	3899.0	3714.9	3525.0	45°
47.5°	2979.3	3279.0	3538.2	3697.5	3843.6	4003.8	4237.4	4411.6	4396.7	4148.3	3897.3	47.5°
50°	3144.4	3525.8	3839.5	4102.0	4277.0	4462.0	4769.9	4977.9	4905.3	4589.1	4275.4	50°
52.5°	3293.8	3741.3	4129.3	4454.5	4658.4	4922.6	5311.4	5493.0	5286.7	4981.2	4593.2	52.5°
55°	3430.9	3936.1	4386.8	4778.1	5092.7	5433.6	5798.5	5923.1	5629.3	5252.0	4895.4	55°
57.5°	3557.2	4116.9	4623.8	5093.5	5515.3	5922.3	6240.1	6248.4	5879.4	5460.8	5120.7	57.5°
60°	3709.1	4282.8	4871.4	5420.4	5934.7	6357.4	6543.1	6484.5	6040.4	5616.9	5275.9	60°
62.5°	3856.0	4432.2	5073.7	5734.9	6354.9	6723.9	6761.0	6637.2	6151.0	5689.5	5392.3	62.5°
65°	3928.7	4546.2	5186.8	5934.7	6683.4	6942.7	6897.3	6703.3	6195.6	5700.2	5422.0	65°
67.5°	3822.2	4439.7	5078.6	5848.0	6681.8	6928.6	6811.4	6577.0	6087.4	5554.1	5284.2	67.5°
70°	3430.1	4028.6	4549.5	5273.5	6211.2	6454.8	6278.9	6047.0	5637.5	5115.8	4992.8	70°
72.5°	2886.0	3330.2	3766.0	4301.0	4944.1	5157.1	4925.1	5040.7	4935.0	4429.8	4317.5	72.5°
75°	2166.2	2581.4	2751.5	2915.8	3359.9	3487.0	3397.9	3794.1	3902.3	3691.7	3405.3	75°
77.5°	1417.4	1853.3	1884.7	1888.0	2069.6	2313.1	2635.9	3047.8	3252.6	3157.6	2810.1	77.5°
80°	826.4	1306.0	1168.1	1123.5	1284.5	1556.1	1982.1	2498.0	2768.8	2788.6	2456.8	80°
82.5°	415.2	818.9	709.1	701.7	792.5	993.1	1304.3	1592.4	1944.9	1961.4	2005.2	82.5°
85°	322.8	563.0	576.2	624.9	688.5	771.9	795.0	846.2	1042.6	1224.3	1271.3	85°
87.5°	167.6	414.4	488.7	568.8	561.4	459.8	388.0	418.5	487.1	513.5	667.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



NUMBER: P141565

NUMBER: ECM-F03-LED-E1-SLR

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
842.0	842.0	842.0	842.0	842.0	842.0	842.0
841.2	842.9	842.0	842.9	843.7	843.7	842.9
840.4	839.6	836.3	834.6	834.6	833.0	832.1
835.4	829.7	821.4	816.4	813.1	810.7	806.5
836.3	826.4	815.6	808.2	800.8	795.8	790.9
847.0	834.6	824.7	813.1	807.4	800.8	795.0
884.1	867.6	856.1	845.3	838.7	833.8	828.8
943.6	923.8	904.8	894.9	883.3	875.1	874.2
1023.7	994.8	970.0	947.7	937.0	923.8	921.3
1114.5	1072.4	1045.9	1021.2	1006.3	990.6	991.5
1230.0	1187.9	1145.0	1119.4	1097.9	1100.4	1097.9
1368.7	1335.7	1286.2	1254.8	1248.2	1222.6	1203.6
1585.0	1535.5	1475.2	1419.1	1383.6	1341.5	1301.9
1797.2	1705.5	1625.5	1571.0	1525.6	1463.7	1401.7
2006.9	1901.2	1826.9	1780.7	1710.5	1623.8	1527.2
2256.2	2186.8	2134.0	2020.9	1921.0	1788.1	1642.0
2616.1	2528.6	2402.3	2258.6	2114.2	1925.9	1726.2
2974.4	2868.7	2692.0	2480.7	2273.5	2046.5	1792.2
3363.2	3159.3	2929.0	2673.0	2418.0	2136.5	1837.6
3669.5	3415.2	3127.9	2820.8	2532.7	2210.8	1877.2
3982.3	3675.2	3314.5	2968.6	2636.7	2271.0	1916.9
4228.3	3885.7	3505.2	3103.1	2733.3	2338.7	1971.4
4474.3	4095.4	3676.1	3237.7	2853.0	2432.8	2053.1
4679.1	4285.3	3841.2	3384.7	2991.7	2558.3	2186.8
4949.0	4551.9	4035.2	3558.8	3148.6	2729.2	2356.0
5205.8	4864.8	4305.1	3763.6	3340.1	2922.4	2548.4
5375.0	5218.1	4581.7	3969.1	3520.0	3103.1	2717.6
5378.3	5442.7	4873.1	4135.9	3688.4	3299.6	2856.3
5248.7	5474.1	4935.0	4150.7	3768.5	3387.1	2929.0
4800.4	5087.7	4564.3	3857.7	3619.9	3318.6	2848.9
3713.2	3921.2	3650.5	3269.9	3278.2	3102.3	2535.2
2570.7	2767.2	2539.3	2458.4	2639.2	2541.0	1892.9
1947.4	1694.0	1604.8	1647.7	1873.1	1862.4	1190.4
1734.4	1282.0	1063.3	1116.1	1322.5	1207.7	662.9
1422.4	1278.7	1069.1	966.7	1008.0	824.7	453.2
818.9	935.3	762.0	718.2	624.9	371.5	184.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)