

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: P141558

Luminaire Tested: **ECM-E03-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141558
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-E03-LED-E1-SLR-8030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6622.4 lumens
Efficiency: N/A
Efficacy: 88.1 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

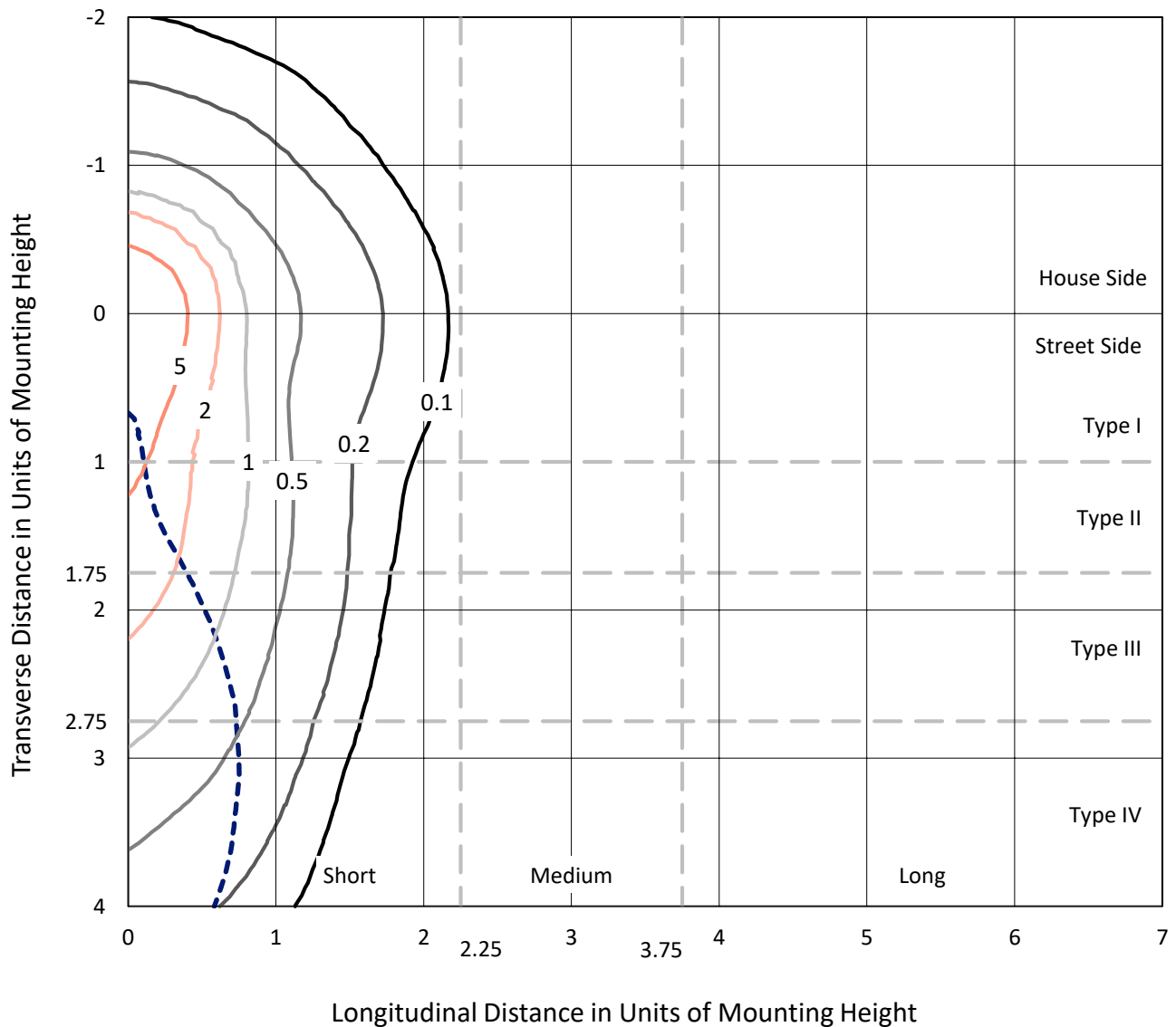
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141558
 CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

Iso-Footcandle Lines of Horizontal Illumination

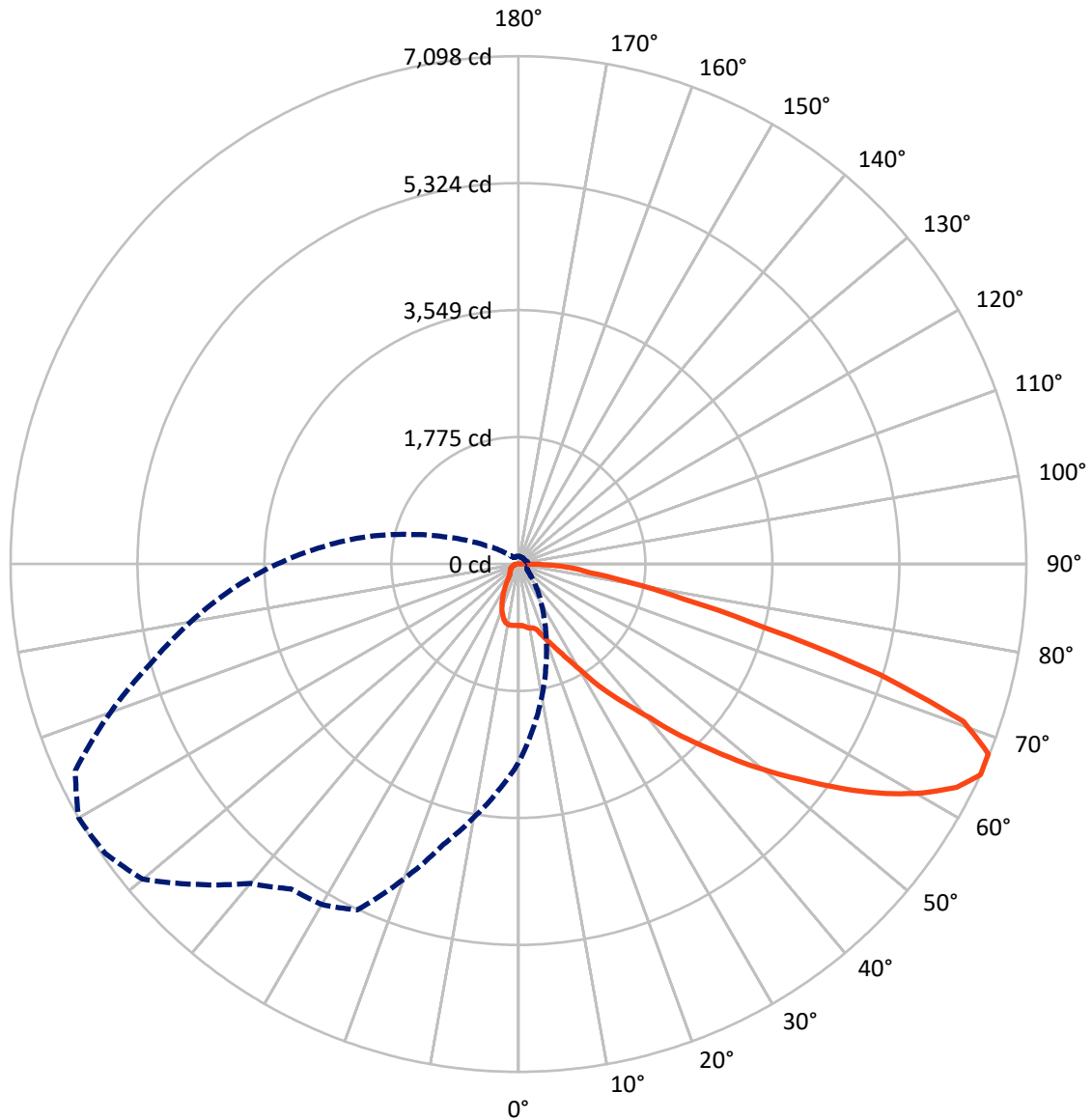
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P141558
CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P141558

CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1228.3	0.0	1228.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	5394.1	0.0	5394.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	6622.4	0.0	6622.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	1.3
10°-20°	250.1	3.8
20°-30°	415.6	6.3
30°-40°	607.5	9.2
40°-50°	924.2	14.0
50°-60°	1328.4	20.1
60°-70°	1633.3	24.7
70°-80°	1092.6	16.5
80°-90°	287.4	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°	6622.4	100.0
0°-180°	6622.4	100.0



REPORT NUMBER: P141558

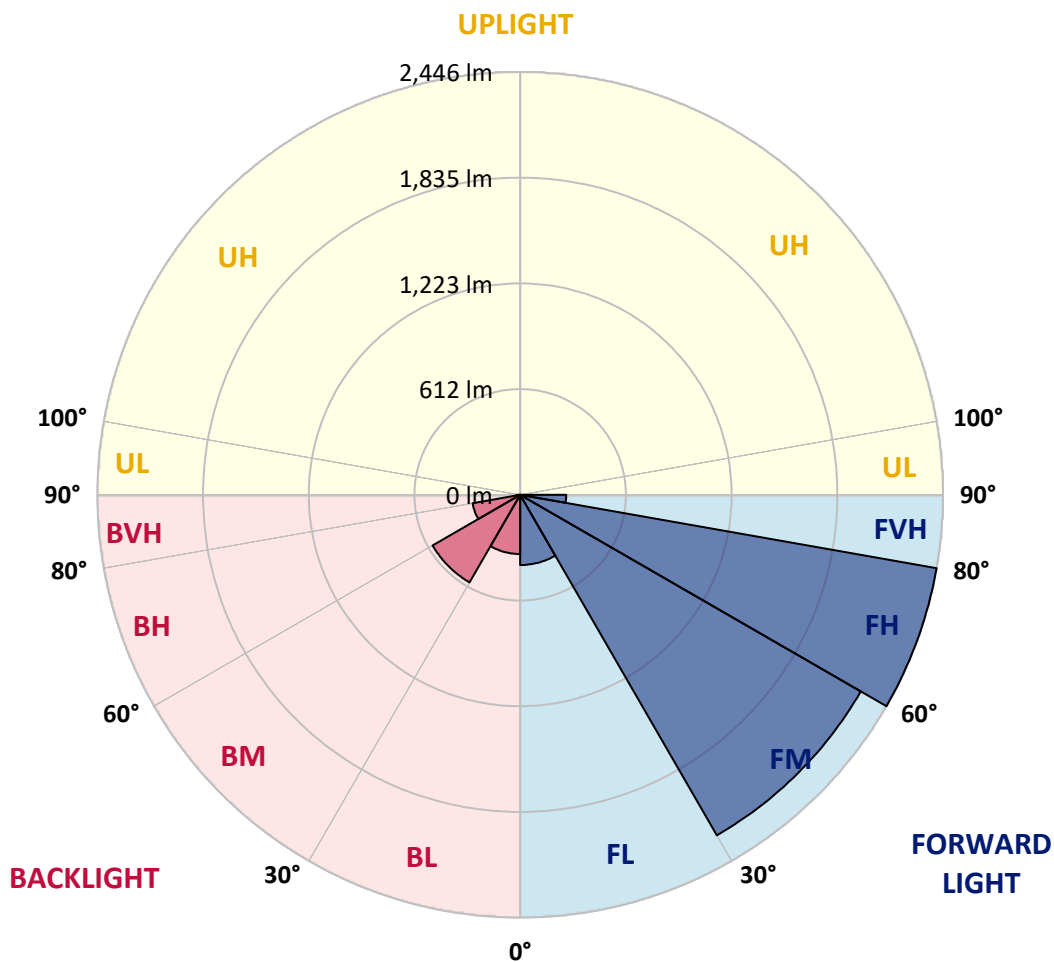
CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	406.2	6.1			
FM	(30°-60°)	2275.1	34.4			
FH	(60°-80°)	2446.3	36.9			G2/5000
FVH	(80°-90°)	266.5	4.0			G3/500
BL	(0°-30°)	342.8	5.2	B1/500		
BM	(30°-60°)	585.1	8.8	B1/1000		
BH	(60°-80°)	279.5	4.2	B1/500		G1/500
BVH	(80°-90°)	20.9	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: P141558

CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9
2.5°	861.7	864.2	864.2	862.6	861.7	862.6	863.4	862.6	863.4	865.1	864.2
5°	850.7	852.4	853.3	853.3	853.3	855.0	857.5	856.7	859.2	860.9	860.9
7.5°	824.6	828.0	828.0	828.8	830.5	833.0	837.2	838.9	843.1	849.1	850.7
10°	808.5	809.4	806.9	806.0	807.7	812.8	815.3	819.5	826.3	833.0	839.8
12.5°	812.8	813.6	809.4	810.2	810.2	812.8	820.4	823.7	826.3	830.5	837.2
15°	847.4	847.4	842.3	844.0	844.8	848.2	848.2	842.3	840.6	836.4	833.0
17.5°	893.8	887.0	886.2	885.3	888.7	885.3	877.8	864.2	848.2	831.3	817.8
20°	941.9	942.7	937.7	936.8	927.5	915.7	893.8	866.8	838.1	811.9	784.9
22.5°	1013.6	1015.3	1006.0	987.5	967.2	936.0	896.3	855.0	813.6	777.3	746.1
25°	1122.5	1104.8	1083.7	1044.9	993.4	938.5	883.7	832.2	778.2	730.1	690.4
27.5°	1230.5	1195.1	1138.5	1075.2	1002.7	931.8	866.8	797.6	733.4	675.2	629.6
30°	1331.0	1265.1	1184.1	1093.8	1001.0	909.8	827.1	748.6	672.7	610.2	556.2
32.5°	1433.1	1336.9	1224.6	1098.0	975.7	866.8	771.4	681.1	606.0	530.0	471.8
35°	1561.4	1416.2	1249.1	1082.0	931.8	799.3	697.1	611.0	530.0	453.2	392.5
37.5°	1678.7	1479.5	1261.8	1055.0	874.4	729.2	617.0	529.2	453.2	388.2	335.9
40°	1764.8	1520.9	1260.1	1020.4	816.1	657.5	546.9	467.6	399.2	347.7	307.2
42.5°	1832.3	1544.5	1251.6	987.5	765.5	605.1	501.3	428.7	374.7	333.4	302.1
45°	1878.7	1561.4	1246.6	961.3	731.7	579.8	486.1	425.4	379.8	342.7	307.2
47.5°	1919.2	1580.8	1244.9	949.5	724.1	587.4	506.4	451.5	401.7	353.6	306.4
50°	1959.7	1600.2	1260.1	968.9	752.8	629.6	553.7	483.6	415.2	350.3	292.0
52.5°	2015.5	1656.8	1316.6	1024.6	815.3	688.7	598.4	509.8	417.8	341.8	278.5
55°	2099.0	1744.5	1397.6	1098.0	882.8	752.8	634.7	519.9	415.2	332.5	265.9
57.5°	2235.7	1873.7	1508.2	1200.2	970.6	802.6	654.9	524.1	409.3	322.4	255.7
60°	2408.8	2021.4	1647.5	1307.3	1045.7	837.2	663.4	522.4	400.9	310.6	241.4
62.5°	2605.4	2183.4	1773.2	1405.2	1099.7	853.3	660.0	508.9	381.5	286.1	221.1
65°	2778.4	2312.5	1878.7	1483.7	1133.5	853.3	638.9	477.7	346.9	251.5	195.0
67.5°	2920.2	2421.4	1959.7	1529.3	1136.9	823.7	588.3	421.2	292.0	208.5	164.6
70°	2994.5	2456.0	1985.1	1524.2	1080.3	738.5	495.4	327.5	214.4	162.0	132.5
72.5°	2912.6	2374.1	1877.0	1377.4	901.4	551.1	346.9	222.8	153.6	125.8	109.7
75°	2591.9	2014.6	1562.2	1065.1	645.7	343.5	215.2	156.1	121.5	104.7	96.2
77.5°	1935.3	1501.5	1075.2	674.3	369.7	208.5	151.1	119.0	102.1	92.0	84.4
80°	1217.0	925.0	646.5	371.4	211.0	153.6	125.8	106.3	92.8	80.2	72.6
82.5°	677.7	492.9	329.2	211.8	146.9	124.1	108.9	97.9	82.7	70.1	62.5
85°	463.4	304.7	207.6	139.3	101.3	90.3	81.0	74.3	63.3	53.2	49.0
87.5°	188.2	175.6	127.4	55.7	41.4	37.1	32.9	40.5	33.8	26.2	24.5
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: P141558

CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9
2.5°	865.9	864.2	865.1	864.2	863.4	862.6	861.7	862.6	860.9	861.7	861.7
5°	863.4	861.7	864.2	863.4	861.7	861.7	860.9	860.9	860.9	860.9	861.7
7.5°	855.8	855.8	858.3	858.3	856.7	856.7	855.0	854.1	854.1	855.0	856.7
10°	845.7	848.2	852.4	850.7	847.4	845.7	843.1	841.5	840.6	842.3	844.0
12.5°	838.1	839.8	837.2	834.7	829.6	823.7	822.9	818.7	816.1	820.4	820.4
15°	825.4	818.7	809.4	800.9	789.1	783.2	776.5	774.8	768.9	769.7	773.9
17.5°	798.4	780.7	766.3	757.9	747.8	743.6	736.0	731.7	727.5	723.3	725.8
20°	760.4	741.0	722.5	711.5	695.4	692.1	679.4	679.4	674.3	675.2	680.3
22.5°	712.3	682.8	659.2	645.7	628.8	622.0	616.1	611.9	609.4	614.4	608.5
25°	649.0	613.6	591.6	572.2	553.7	546.9	539.3	536.8	537.6	534.2	540.2
27.5°	584.0	540.2	516.5	494.6	481.1	469.3	463.4	461.7	458.3	467.6	462.5
30°	502.2	462.5	434.7	411.9	395.8	389.9	384.0	382.3	387.4	380.6	377.3
32.5°	419.5	376.4	352.8	333.4	321.6	309.7	308.1	304.7	298.8	306.4	304.7
35°	344.3	308.1	283.6	271.8	255.7	250.7	240.5	238.0	238.8	240.5	239.7
37.5°	298.8	273.5	251.5	235.5	223.7	216.9	213.5	210.2	210.2	208.5	207.6
40°	277.7	256.6	236.3	221.1	211.8	206.8	203.4	200.0	197.5	195.0	192.4
42.5°	274.3	249.0	226.2	211.0	202.6	200.9	200.0	197.5	194.1	189.9	186.5
45°	271.8	239.7	216.1	202.6	196.6	195.8	195.8	193.3	190.7	186.5	181.5
47.5°	263.3	227.9	205.1	195.0	192.4	193.3	192.4	189.9	188.2	184.0	178.1
50°	244.8	210.2	188.2	180.6	179.8	178.9	178.9	178.1	176.4	173.0	167.1
52.5°	228.7	194.1	176.4	171.3	169.6	169.6	168.0	167.1	163.7	161.2	157.0
55°	218.6	185.7	170.5	167.1	167.1	166.3	164.6	162.0	159.5	156.1	151.1
57.5°	209.3	178.9	166.3	163.7	164.6	163.7	162.0	160.4	157.0	152.8	146.9
60°	195.8	168.8	157.8	157.0	158.7	160.4	159.5	158.7	156.1	150.2	141.8
62.5°	176.4	151.9	143.5	145.2	146.9	148.5	147.7	146.9	144.3	139.3	131.7
65°	157.0	139.3	134.2	135.9	137.6	137.6	137.6	135.9	134.2	128.3	122.4
67.5°	138.4	127.4	125.8	127.4	128.3	128.3	129.1	127.4	124.9	120.7	114.8
70°	118.2	113.1	113.1	114.8	115.6	114.8	115.6	113.1	110.6	108.0	102.1
72.5°	105.5	105.5	104.7	104.7	104.7	103.0	102.1	100.4	97.9	95.4	90.3
75°	93.7	93.7	92.8	94.5	91.2	88.6	87.8	86.1	83.6	80.2	76.8
77.5°	80.2	78.5	78.5	81.0	80.2	76.8	74.3	73.4	70.1	66.7	65.0
80°	69.2	67.5	67.5	66.7	65.0	64.1	60.8	57.4	56.5	56.5	54.0
82.5°	60.8	59.9	57.4	55.7	53.2	50.6	48.1	46.4	43.9	43.0	43.9
85°	48.1	49.0	46.4	44.7	42.2	38.8	36.3	34.6	32.9	32.9	36.3
87.5°	27.9	26.2	26.2	25.3	24.5	21.9	21.9	19.4	18.6	23.6	24.5
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: P141558

CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9
2.5°	862.6	862.6	860.0	861.7	860.9	861.7	865.1	861.7	860.9	863.4	865.9
5°	862.6	864.2	861.7	863.4	863.4	865.9	870.2	867.6	869.3	872.7	876.1
7.5°	859.2	861.7	861.7	865.1	867.6	871.8	877.8	876.1	879.4	884.5	888.7
10°	849.9	854.1	858.3	863.4	869.3	876.1	884.5	884.5	887.9	894.6	898.9
12.5°	827.1	838.1	843.1	855.0	864.2	874.4	883.7	889.6	892.1	898.0	903.1
15°	781.5	795.0	805.2	819.5	834.7	849.1	865.1	871.0	876.1	878.6	881.1
17.5°	729.2	738.5	745.2	763.8	780.7	794.2	809.4	817.0	822.9	822.9	824.6
20°	686.2	690.4	692.1	692.1	702.2	714.9	734.3	731.7	736.8	731.7	736.8
22.5°	619.5	612.7	616.1	616.1	622.9	620.3	627.9	640.6	638.9	642.3	656.6
25°	538.5	539.3	533.4	533.4	534.2	535.9	539.3	542.7	554.5	567.2	576.4
27.5°	461.7	460.0	455.8	452.4	449.0	454.9	459.1	458.3	475.2	485.3	502.2
30°	377.3	377.3	378.1	376.4	379.8	375.6	382.3	384.0	398.4	409.3	424.5
32.5°	307.2	308.9	308.9	308.1	314.0	309.7	313.1	317.3	326.6	335.9	343.5
35°	243.9	246.4	253.2	255.7	258.3	254.9	259.1	264.2	265.0	273.5	279.4
37.5°	206.8	211.0	211.8	213.5	213.5	216.1	216.9	220.3	220.3	222.8	224.5
40°	190.7	189.1	188.2	187.4	185.7	186.5	187.4	189.9	190.7	192.4	192.4
42.5°	183.1	180.6	176.4	173.9	170.5	170.5	170.5	170.5	173.0	174.7	174.7
45°	176.4	172.2	168.0	163.7	161.2	159.5	160.4	161.2	162.9	163.7	164.6
47.5°	172.2	166.3	159.5	155.3	152.8	151.1	151.9	152.8	152.8	153.6	154.5
50°	160.4	154.5	148.5	144.3	141.8	140.9	140.9	140.1	140.9	141.8	141.8
52.5°	151.1	145.2	140.1	135.9	133.4	133.4	132.5	130.8	131.7	130.8	131.7
55°	146.0	138.4	132.5	128.3	125.8	125.8	124.1	124.9	124.9	123.2	124.1
57.5°	140.1	132.5	127.4	122.4	119.0	119.0	118.2	119.0	119.8	117.3	117.3
60°	134.2	127.4	121.5	117.3	113.1	113.9	113.1	114.8	114.8	112.3	112.3
62.5°	123.2	117.3	113.9	111.4	108.0	108.9	108.9	111.4	108.9	107.2	106.3
65°	114.8	110.6	105.5	105.5	102.1	103.8	103.8	103.8	101.3	100.4	101.3
67.5°	108.9	103.8	100.4	97.1	94.5	95.4	93.7	93.7	92.8	92.0	93.7
70°	97.9	93.7	92.0	88.6	86.9	84.4	83.6	83.6	83.6	82.7	83.6
72.5°	86.9	83.6	81.9	78.5	76.8	75.1	74.3	73.4	72.6	73.4	73.4
75°	73.4	71.7	70.1	68.4	66.7	65.8	65.0	65.0	64.1	63.3	64.1
77.5°	63.3	60.8	59.9	58.2	59.1	56.5	55.7	56.5	56.5	56.5	57.4
80°	54.0	52.3	52.3	50.6	49.8	48.1	49.0	49.0	49.0	49.0	49.8
82.5°	47.3	45.6	45.6	44.7	42.2	40.5	41.4	43.0	43.0	42.2	43.9
85°	38.8	37.1	37.1	36.3	32.9	32.1	31.2	32.9	33.8	32.1	33.8
87.5°	25.3	23.6	22.8	22.8	19.4	13.5	17.7	19.4	19.4	16.0	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



REPORT NUMBER: P141558

CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9
2.5°	865.1	866.8	866.8	868.5	871.8	868.5	866.8	869.3	869.3	868.5	868.5
5°	876.1	879.4	880.3	885.3	887.9	886.2	887.9	889.6	890.4	888.7	890.4
7.5°	890.4	894.6	898.9	904.8	909.8	909.0	911.5	914.9	915.7	915.7	917.4
10°	902.2	908.1	912.4	920.0	925.9	927.5	930.1	934.3	938.5	938.5	941.9
12.5°	904.8	911.5	915.7	922.5	932.6	936.0	941.9	952.0	956.2	959.6	962.1
15°	882.8	888.7	894.6	903.9	915.7	925.9	939.4	953.7	966.4	975.7	979.0
17.5°	825.4	826.3	832.2	845.7	870.2	881.1	898.0	927.5	945.3	962.1	978.2
20°	741.0	757.1	763.0	780.7	804.3	821.2	840.6	867.6	894.6	925.0	952.0
22.5°	666.8	687.9	704.7	725.8	745.2	764.7	789.1	812.8	842.3	871.8	903.9
25°	590.8	610.2	633.8	656.6	679.4	703.9	734.3	759.6	789.1	823.7	864.2
27.5°	517.4	537.6	563.8	590.8	609.4	642.3	667.6	704.7	738.5	776.5	822.0
30°	440.6	460.0	472.6	502.2	528.3	561.3	600.1	636.4	676.9	719.1	772.3
32.5°	357.0	368.8	386.5	406.8	437.2	471.8	512.3	551.1	606.8	659.2	709.8
35°	286.1	292.0	291.2	314.0	327.5	368.8	419.5	456.6	512.3	576.4	643.1
37.5°	225.3	224.5	229.6	232.9	249.8	276.8	316.5	364.6	428.7	498.0	564.6
40°	192.4	193.3	194.1	194.1	197.5	215.2	250.7	300.5	362.1	423.7	497.1
42.5°	177.2	178.9	179.8	181.5	183.1	189.1	214.4	260.8	313.1	379.0	444.8
45°	166.3	168.8	171.3	171.3	173.0	174.7	189.1	224.5	276.8	339.3	408.5
47.5°	157.0	159.5	161.2	162.0	163.7	165.4	173.0	197.5	248.1	304.7	376.4
50°	143.5	146.0	147.7	150.2	150.2	150.2	155.3	173.0	211.8	267.5	337.6
52.5°	132.5	134.2	136.7	138.4	139.3	140.1	142.6	152.8	182.3	234.6	300.5
55°	126.6	128.3	130.8	132.5	134.2	135.0	136.7	140.9	162.0	206.8	268.4
57.5°	119.0	121.5	124.9	126.6	128.3	129.1	130.0	131.7	146.0	179.8	230.4
60°	113.9	118.2	122.4	124.9	125.8	126.6	127.4	125.8	131.7	152.8	192.4
62.5°	108.0	112.3	115.6	119.0	119.8	120.7	121.5	119.0	118.2	128.3	150.2
65°	103.0	105.5	108.0	110.6	110.6	111.4	110.6	107.2	104.7	104.7	114.8
67.5°	96.2	97.9	100.4	101.3	101.3	101.3	100.4	99.6	95.4	93.7	95.4
70°	86.1	88.6	91.2	92.8	92.8	92.0	91.2	88.6	86.9	85.2	86.9
72.5°	76.8	80.2	81.0	81.9	81.0	81.0	81.0	79.3	80.2	80.2	81.0
75°	67.5	69.2	69.2	70.9	70.9	70.9	70.9	70.9	72.6	71.7	72.6
77.5°	57.4	58.2	59.9	59.9	59.9	60.8	62.5	62.5	64.1	65.0	65.0
80°	49.8	48.1	48.1	47.3	48.1	49.8	51.5	54.9	54.9	55.7	56.5
82.5°	39.7	36.3	34.6	36.3	36.3	37.1	40.5	43.9	43.9	46.4	47.3
85°	30.4	26.2	22.8	24.5	24.5	26.2	29.5	31.2	33.8	34.6	33.8
87.5°	17.7	15.2	10.1	8.4	10.1	12.7	13.5	15.2	12.7	14.3	15.2
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: P141558
 CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9
2.5°	870.2	870.2	865.9	865.9	866.8	868.5	864.2	863.4	864.2	863.4	862.6
5°	892.9	890.4	889.6	887.9	887.0	888.7	884.5	884.5	883.7	882.0	879.4
7.5°	918.3	916.6	914.9	913.2	911.5	912.4	908.1	907.3	906.4	905.6	903.1
10°	941.9	939.4	937.7	933.5	930.1	926.7	918.3	915.7	913.2	911.5	910.7
12.5°	961.3	958.8	952.9	945.3	940.2	931.8	925.0	919.1	916.6	914.0	914.9
15°	979.9	974.8	967.2	957.9	952.9	944.4	939.4	936.8	935.1	933.5	935.1
17.5°	985.8	987.5	983.2	980.7	977.3	974.0	974.8	977.3	982.4	982.4	982.4
20°	974.8	993.4	1005.2	1014.5	1022.1	1027.1	1028.0	1030.5	1036.4	1039.0	1051.6
22.5°	948.6	996.8	1036.4	1068.5	1088.7	1095.5	1103.1	1111.5	1112.4	1114.9	1126.7
25°	924.2	994.2	1053.3	1103.9	1151.2	1184.1	1202.7	1219.6	1223.8	1227.2	1227.2
27.5°	881.1	958.8	1034.7	1102.3	1167.2	1222.1	1265.1	1309.0	1339.4	1350.4	1366.4
30°	835.6	917.4	995.9	1081.2	1163.9	1240.7	1318.3	1389.2	1439.0	1476.1	1505.7
32.5°	778.2	866.8	956.2	1049.1	1147.8	1244.0	1347.9	1450.8	1545.3	1619.6	1665.2
35°	718.2	811.1	903.9	1006.0	1117.4	1233.9	1366.4	1503.1	1629.7	1750.4	1854.2
37.5°	652.4	740.2	841.5	957.9	1077.8	1217.0	1371.5	1541.1	1716.7	1889.7	2023.9
40°	577.3	662.5	760.4	882.8	1028.0	1185.0	1369.0	1570.7	1790.9	2006.2	2222.2
42.5°	525.8	604.3	698.0	821.2	968.9	1148.7	1358.8	1597.7	1858.5	2125.2	2396.9
45°	487.0	563.8	655.8	773.9	924.2	1113.2	1355.4	1628.1	1929.4	2234.9	2552.2
47.5°	453.2	532.6	621.2	737.6	882.8	1081.2	1347.9	1653.4	1988.4	2319.3	2687.3
50°	420.3	501.3	592.5	709.8	852.4	1046.5	1331.0	1676.2	2044.1	2407.1	2798.7
52.5°	384.0	464.2	562.1	681.9	833.0	1024.6	1313.2	1694.7	2098.2	2500.7	2914.3
55°	345.2	426.2	522.4	649.0	806.9	1007.7	1295.5	1706.5	2154.7	2585.1	3018.1
57.5°	303.0	384.0	477.7	606.8	774.8	984.9	1276.1	1705.7	2196.1	2664.5	3130.4
60°	251.5	324.9	417.8	547.8	719.1	952.9	1260.1	1699.0	2225.6	2734.5	3255.3
62.5°	191.6	254.0	339.3	460.8	638.9	891.3	1217.9	1670.3	2229.0	2785.2	3359.1
65°	136.7	170.5	238.0	359.5	507.2	753.7	1115.8	1594.3	2173.3	2748.9	3368.4
67.5°	104.7	123.2	156.1	228.7	359.5	573.9	940.2	1423.8	2000.3	2555.6	3213.1
70°	90.3	99.6	117.3	149.4	225.3	372.2	665.9	1125.0	1647.5	2198.6	2759.9
72.5°	83.6	89.5	100.4	116.5	143.5	219.4	410.2	756.2	1210.3	1676.2	2167.4
75°	76.8	82.7	91.2	101.3	114.8	146.9	223.7	444.8	746.9	1107.3	1456.7
77.5°	68.4	73.4	84.4	93.7	102.1	114.8	142.6	247.3	411.0	662.5	871.8
80°	57.4	62.5	70.9	85.2	93.7	102.1	111.4	151.9	227.0	342.7	447.3
82.5°	47.3	49.8	56.5	69.2	76.8	81.0	83.6	98.7	129.1	168.8	246.4
85°	32.9	32.9	38.0	44.7	50.6	47.3	48.1	50.6	66.7	93.7	189.1
87.5°	12.7	9.3	11.8	14.3	14.3	13.5	16.0	15.2	21.1	39.7	54.0
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: P141558
 CATALOG NUMBER: ECM-E03-LED-E1-SLR-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	0°
2.5°	862.6	862.6	861.7	860.9	860.0	860.0	858.3	860.9	860.0	860.9	861.7	2.5°
5°	880.3	878.6	876.9	875.2	875.2	873.5	871.0	870.2	866.8	865.9	863.4	5°
7.5°	905.6	905.6	905.6	903.9	900.5	896.3	891.3	887.9	878.6	871.8	864.2	7.5°
10°	912.4	914.0	914.9	915.7	912.4	911.5	905.6	898.9	887.9	877.8	867.6	10°
12.5°	914.9	918.3	919.1	920.0	917.4	915.7	909.8	905.6	896.3	886.2	881.1	12.5°
15°	938.5	944.4	951.2	950.3	957.9	949.5	944.4	945.3	935.1	924.2	920.8	15°
17.5°	999.3	1001.8	1016.2	1017.0	1028.8	1032.2	1023.8	1014.5	1008.6	1001.8	987.5	17.5°
20°	1065.1	1083.7	1088.7	1114.1	1125.9	1131.8	1132.6	1132.6	1121.7	1092.1	1080.3	20°
22.5°	1136.9	1164.7	1195.1	1211.1	1235.6	1239.0	1251.6	1244.0	1235.6	1212.8	1185.8	22.5°
25°	1252.5	1268.5	1295.5	1336.0	1347.9	1372.3	1367.3	1378.2	1359.7	1320.0	1304.0	25°
27.5°	1381.6	1409.5	1447.4	1485.4	1502.3	1529.3	1512.4	1529.3	1498.9	1488.0	1449.1	27.5°
30°	1522.6	1560.5	1628.1	1675.3	1709.9	1728.5	1717.5	1708.2	1699.8	1679.5	1677.0	30°
32.5°	1695.6	1741.2	1805.3	1866.9	1927.7	1991.0	2006.2	2019.7	2050.9	1989.3	1929.4	32.5°
35°	1909.1	1943.7	2015.5	2086.3	2169.9	2249.2	2380.1	2413.0	2370.8	2297.3	2201.1	35°
37.5°	2117.6	2196.1	2267.8	2352.2	2414.7	2505.8	2564.0	2629.0	2593.6	2525.2	2414.7	37.5°
40°	2373.3	2479.6	2577.5	2681.4	2752.3	2823.1	2932.9	3003.8	2997.0	2911.8	2762.4	40°
42.5°	2607.9	2776.7	2938.8	3016.4	3111.0	3239.2	3320.3	3433.4	3441.0	3342.2	3152.3	42.5°
45°	2853.5	3050.2	3247.7	3400.4	3480.6	3639.3	3825.0	3948.2	3986.2	3798.0	3603.8	45°
47.5°	3046.0	3352.3	3617.3	3780.2	3929.6	4093.4	4332.2	4510.3	4495.1	4241.1	3984.5	47.5°
50°	3214.8	3604.7	3925.4	4193.8	4372.7	4561.8	4876.6	5089.3	5015.0	4691.7	4371.0	50°
52.5°	3367.5	3825.0	4221.6	4554.2	4762.6	5032.7	5430.2	5615.9	5404.9	5092.6	4696.0	52.5°
55°	3507.6	4024.1	4485.0	4885.0	5206.6	5555.1	5928.2	6055.6	5755.2	5369.5	5004.9	55°
57.5°	3636.8	4209.0	4727.2	5207.4	5638.7	6054.8	6379.7	6388.2	6010.9	5583.0	5235.3	57.5°
60°	3792.1	4378.6	4980.4	5541.6	6067.5	6499.6	6689.5	6629.5	6175.5	5742.5	5393.9	60°
62.5°	3942.3	4531.4	5187.2	5863.2	6497.0	6874.3	6912.3	6785.7	6288.6	5816.8	5512.9	62.5°
65°	4016.6	4647.9	5302.8	6067.5	6833.0	7098.0	7051.5	6853.2	6334.2	5827.8	5543.3	65°
67.5°	3907.7	4539.0	5192.2	5978.8	6831.3	7083.6	6963.8	6724.1	6223.6	5678.4	5402.4	67.5°
70°	3506.8	4118.7	4651.2	5391.4	6350.2	6599.2	6419.4	6182.2	5763.6	5230.2	5104.5	70°
72.5°	2950.6	3404.7	3850.3	4397.2	5054.7	5272.4	5035.2	5153.4	5045.4	4528.9	4414.1	72.5°
75°	2214.6	2639.2	2813.0	2981.0	3435.0	3565.0	3473.9	3879.0	3989.5	3774.3	3481.5	75°
77.5°	1449.1	1894.8	1926.8	1930.2	2115.9	2364.9	2694.9	3116.0	3325.3	3228.3	2872.9	77.5°
80°	844.8	1335.2	1194.2	1148.7	1313.2	1590.9	2026.4	2553.9	2830.7	2851.0	2511.7	80°
82.5°	424.5	837.2	725.0	717.4	810.2	1015.3	1333.5	1628.1	1988.4	2005.3	2050.1	82.5°
85°	330.0	575.6	589.1	638.9	703.9	789.1	812.8	865.1	1066.0	1251.6	1299.7	85°
87.5°	171.3	423.7	499.6	581.5	573.9	470.1	396.7	427.9	498.0	525.0	681.9	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°



IUMBER: P141558

NUMBER: ECM-E03-LED-E1-SLR-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
860.9	860.9	860.9	860.9	860.9	860.9	860.9
860.0	861.7	860.9	861.7	862.6	862.6	861.7
859.2	858.3	855.0	853.3	853.3	851.6	850.7
854.1	848.2	839.8	834.7	831.3	828.8	824.6
855.0	844.8	833.9	826.3	818.7	813.6	808.5
865.9	853.3	843.1	831.3	825.4	818.7	812.8
903.9	887.0	875.2	864.2	857.5	852.4	847.4
964.7	944.4	925.0	914.9	903.1	894.6	893.8
1046.5	1017.0	991.7	968.9	957.9	944.4	941.9
1139.4	1096.3	1069.3	1044.0	1028.8	1012.8	1013.6
1257.5	1214.5	1170.6	1144.5	1122.5	1125.0	1122.5
1399.3	1365.6	1314.9	1282.9	1276.1	1250.0	1230.5
1620.5	1569.8	1508.2	1450.8	1414.5	1371.5	1331.0
1837.4	1743.7	1661.8	1606.1	1559.7	1496.4	1433.1
2051.7	1943.7	1867.8	1820.5	1748.7	1660.1	1561.4
2306.6	2235.7	2181.7	2066.1	1964.0	1828.1	1678.7
2674.6	2585.1	2456.0	2309.2	2161.5	1969.0	1764.8
3040.9	2932.9	2752.3	2536.2	2324.4	2092.3	1832.3
3438.4	3230.0	2994.5	2732.8	2472.0	2184.2	1878.7
3751.5	3491.6	3197.9	2883.9	2589.4	2260.2	1919.2
4071.4	3757.4	3388.6	3035.0	2695.7	2321.8	1959.7
4322.9	3972.7	3583.6	3172.6	2794.5	2391.0	2015.5
4574.4	4187.0	3758.3	3310.1	2916.8	2487.2	2099.0
4783.7	4381.2	3927.1	3460.4	3058.6	2615.5	2235.7
5059.7	4653.8	4125.4	3638.4	3219.0	2790.2	2408.8
5322.2	4973.6	4401.4	3847.8	3414.8	2987.7	2605.4
5495.2	5334.9	4684.1	4057.9	3598.8	3172.6	2778.4
5498.6	5564.4	4982.1	4228.4	3771.0	3373.4	2920.2
5366.1	5596.5	5045.4	4243.6	3852.8	3462.9	2994.5
4907.8	5201.5	4666.4	3944.0	3700.9	3392.8	2912.6
3796.3	4009.0	3732.1	3343.0	3351.5	3171.7	2591.9
2628.2	2829.1	2596.1	2513.4	2698.2	2597.8	1935.3
1991.0	1731.9	1640.7	1684.6	1915.0	1904.0	1217.0
1773.2	1310.7	1087.1	1141.1	1352.1	1234.8	677.7
1454.2	1307.3	1093.0	988.3	1030.5	843.1	463.4
837.2	956.2	779.0	734.3	638.9	379.8	188.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)