

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: P141588

Luminaire Tested: **EMM-E02-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141588
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: EMM-E02-LED-E1-SLR-8030
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4415 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

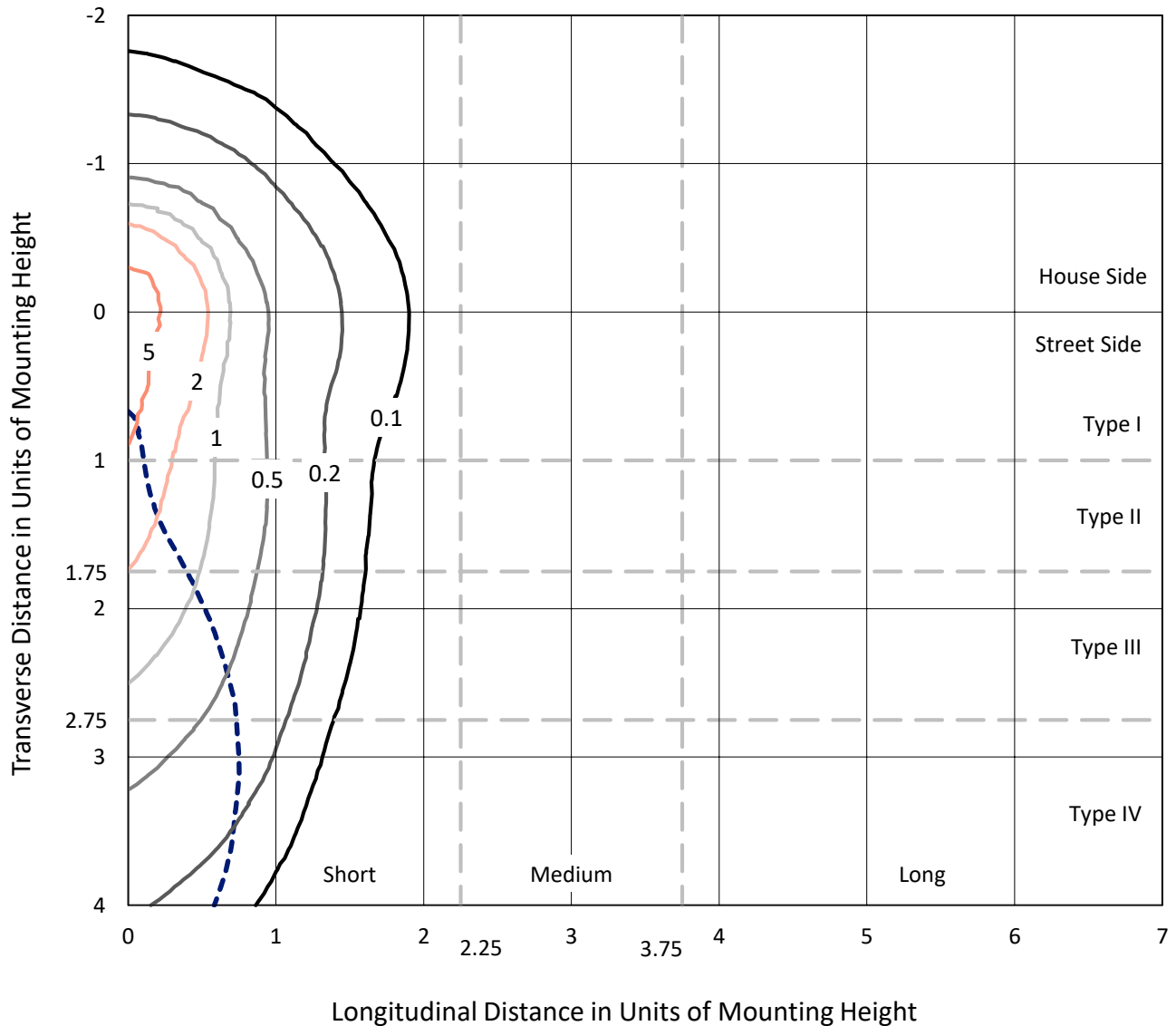
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141588
 CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

Iso-Footcandle Lines of Horizontal Illumination

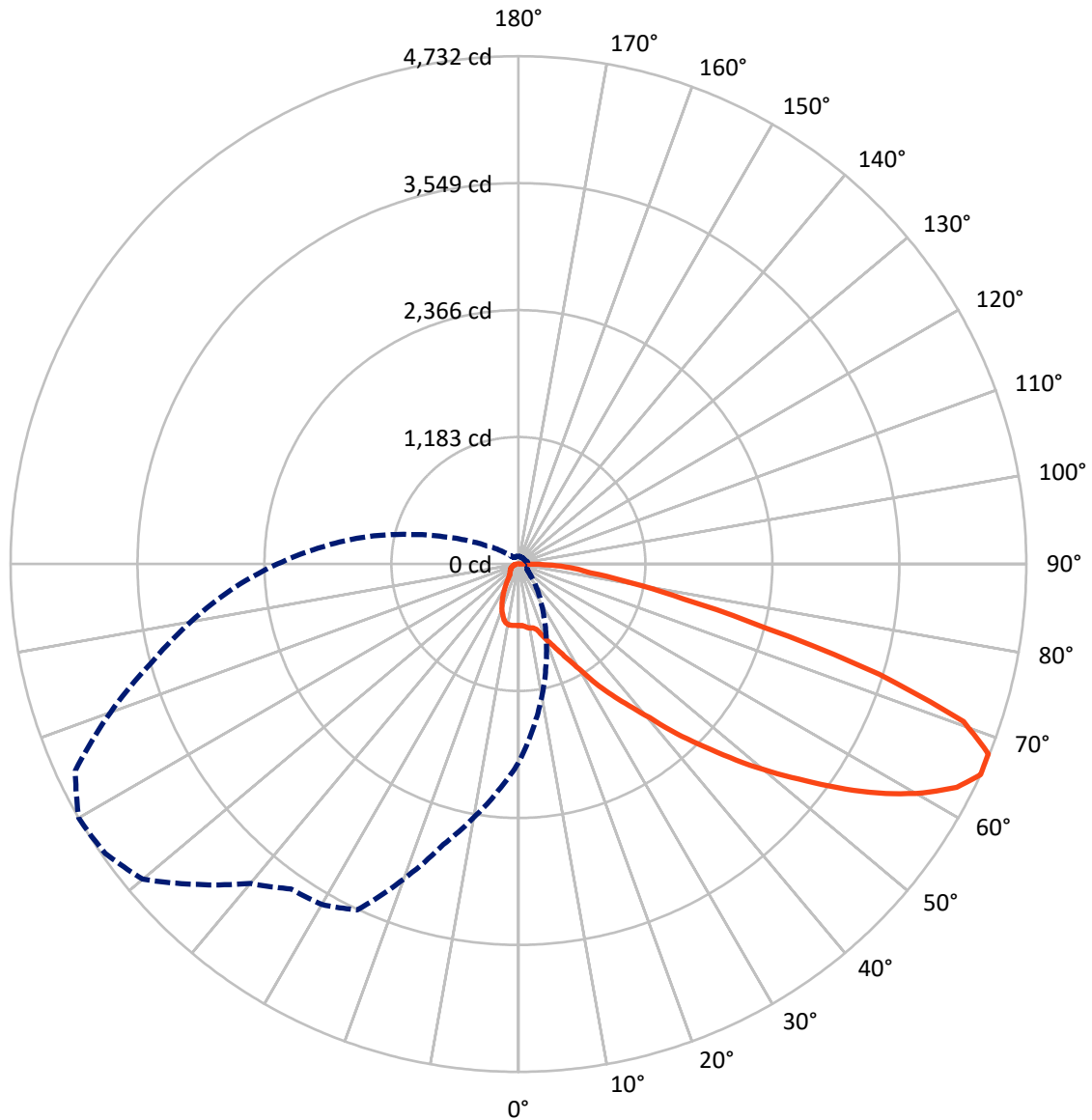
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P141588
CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P141588

CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	818.9	0.0	818.9
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3596.1	0.0	3596.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	4415.0	0.0	4415.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	1.3
10°-20°	166.8	3.8
20°-30°	277.1	6.3
30°-40°	405.0	9.2
40°-50°	616.1	14.0
50°-60°	885.6	20.1
60°-70°	1088.8	24.7
70°-80°	728.4	16.5
80°-90°	191.6	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°	4415.0	100.0
0°-180°	4415.0	100.0



REPORT NUMBER: P141588

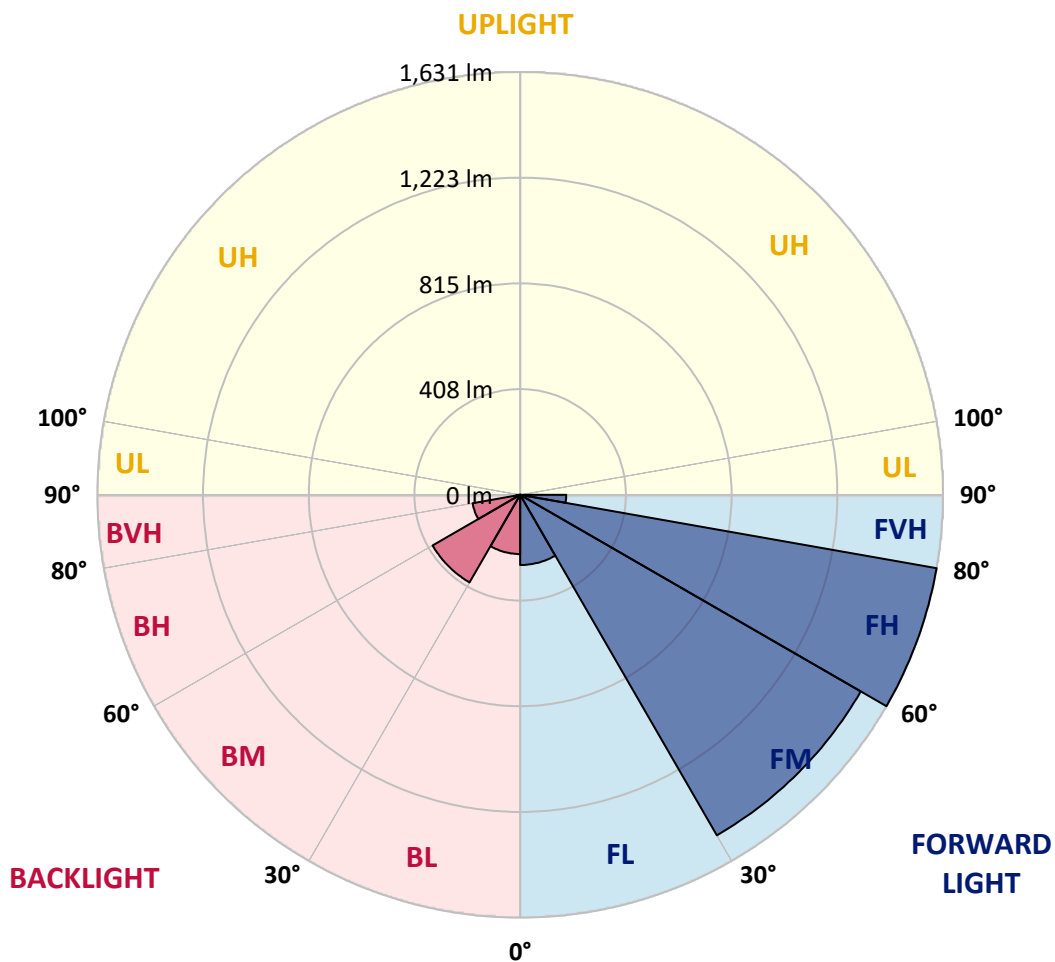
CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.8	6.1			
FM	(30°-60°)	1516.7	34.4			
FH	(60°-80°)	1630.9	36.9			G1/1800
FVH	(80°-90°)	177.7	4.0			G2/225
BL	(0°-30°)	228.5	5.2	B1/500		
BM	(30°-60°)	390.0	8.8	B1/1000		
BH	(60°-80°)	186.4	4.2	B1/500		G1/500
BVH	(80°-90°)	13.9	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-G2

Type IV Short





REPORT NUMBER: P141588

CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9
2.5°	574.5	576.2	576.2	575.0	574.5	575.0	575.6	575.0	575.6	576.7	576.2
5°	567.2	568.3	568.8	568.8	568.8	570.0	571.7	571.1	572.8	573.9	573.9
7.5°	549.7	552.0	552.0	552.5	553.7	555.3	558.2	559.3	562.1	566.0	567.2
10°	539.0	539.6	537.9	537.3	538.5	541.8	543.5	546.3	550.8	555.3	559.8
12.5°	541.8	542.4	539.6	540.2	540.2	541.8	546.9	549.2	550.8	553.7	558.2
15°	564.9	564.9	561.5	562.7	563.2	565.5	565.5	561.5	560.4	557.6	555.3
17.5°	595.9	591.4	590.8	590.2	592.5	590.2	585.2	576.2	565.5	554.2	545.2
20°	627.9	628.5	625.1	624.6	618.4	610.5	595.9	577.9	558.7	541.3	523.3
22.5°	675.8	676.9	670.7	658.3	644.8	624.0	597.5	570.0	542.4	518.2	497.4
25°	748.3	736.5	722.5	696.6	662.3	625.7	589.1	554.8	518.8	486.7	460.3
27.5°	820.4	796.7	759.0	716.8	668.4	621.2	577.9	531.7	489.0	450.1	419.7
30°	887.3	843.4	789.4	729.2	667.3	606.5	551.4	499.1	448.4	406.8	370.8
32.5°	955.4	891.3	816.4	732.0	650.4	577.9	514.3	454.1	404.0	353.4	314.5
35°	1040.9	944.1	832.7	721.3	621.2	532.8	464.8	407.4	353.4	302.1	261.6
37.5°	1119.1	986.3	841.2	703.3	582.9	486.1	411.3	352.8	302.1	258.8	223.9
40°	1176.5	1013.9	840.1	680.3	544.1	438.3	364.6	311.7	266.1	231.8	204.8
42.5°	1221.5	1029.7	834.4	658.3	510.3	403.4	334.2	285.8	249.8	222.3	201.4
45°	1252.5	1040.9	831.0	640.9	487.8	386.5	324.1	283.6	253.2	228.4	204.8
47.5°	1279.5	1053.9	829.9	633.0	482.8	391.6	337.6	301.0	267.8	235.8	204.2
50°	1306.5	1066.8	840.1	645.9	501.9	419.7	369.1	322.4	276.8	233.5	194.7
52.5°	1343.6	1104.5	877.8	683.1	543.5	459.1	398.9	339.8	278.5	227.9	185.7
55°	1399.3	1163.0	931.8	732.0	588.5	501.9	423.1	346.6	276.8	221.7	177.2
57.5°	1490.5	1249.1	1005.5	800.1	647.1	535.1	436.6	349.4	272.9	214.9	170.5
60°	1605.8	1347.6	1098.3	871.6	697.1	558.2	442.3	348.3	267.3	207.1	160.9
62.5°	1736.9	1455.6	1182.1	936.8	733.1	568.8	440.0	339.3	254.3	190.7	147.4
65°	1852.3	1541.7	1252.5	989.2	755.7	568.8	425.9	318.5	231.3	167.7	130.0
67.5°	1946.8	1614.3	1306.5	1019.5	757.9	549.2	392.2	280.8	194.7	139.0	109.7
70°	1996.3	1637.3	1323.4	1016.2	720.2	492.3	330.3	218.3	142.9	108.0	88.3
72.5°	1941.7	1582.8	1251.4	918.3	600.9	367.4	231.3	148.5	102.4	83.8	73.1
75°	1727.9	1343.1	1041.5	710.1	430.4	229.0	143.5	104.1	81.0	69.8	64.1
77.5°	1290.2	1001.0	716.8	449.6	246.4	139.0	100.7	79.3	68.1	61.3	56.3
80°	811.4	616.7	431.0	247.6	140.7	102.4	83.8	70.9	61.9	53.5	48.4
82.5°	451.8	328.6	219.4	141.2	97.9	82.7	72.6	65.3	55.1	46.7	41.6
85°	308.9	203.1	138.4	92.8	67.5	60.2	54.0	49.5	42.2	35.4	32.6
87.5°	125.5	117.0	85.0	37.1	27.6	24.8	21.9	27.0	22.5	17.4	16.3
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: P141588

CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9
2.5°	577.3	576.2	576.7	576.2	575.6	575.0	574.5	575.0	573.9	574.5	574.5
5°	575.6	574.5	576.2	575.6	574.5	574.5	573.9	573.9	573.9	573.9	574.5
7.5°	570.5	570.5	572.2	572.2	571.1	571.1	570.0	569.4	569.4	570.0	571.1
10°	563.8	565.5	568.3	567.2	564.9	563.8	562.1	561.0	560.4	561.5	562.7
12.5°	558.7	559.8	558.2	556.5	553.1	549.2	548.6	545.8	544.1	546.9	546.9
15°	550.3	545.8	539.6	534.0	526.1	522.1	517.6	516.5	512.6	513.1	516.0
17.5°	532.3	520.5	510.9	505.3	498.5	495.7	490.6	487.8	485.0	482.2	483.9
20°	507.0	494.0	481.6	474.3	463.6	461.4	452.9	452.9	449.6	450.1	453.5
22.5°	474.9	455.2	439.4	430.4	419.2	414.7	410.7	407.9	406.2	409.6	405.7
25°	432.7	409.1	394.4	381.5	369.1	364.6	359.5	357.9	358.4	356.2	360.1
27.5°	389.4	360.1	344.3	329.7	320.7	312.8	308.9	307.8	305.5	311.7	308.3
30°	334.8	308.3	289.8	274.6	263.9	259.9	256.0	254.9	258.3	253.8	251.5
32.5°	279.6	250.9	235.2	222.3	214.4	206.5	205.4	203.1	199.2	204.2	203.1
35°	229.6	205.4	189.1	181.2	170.5	167.1	160.4	158.7	159.2	160.4	159.8
37.5°	199.2	182.3	167.7	157.0	149.1	144.6	142.4	140.1	140.1	139.0	138.4
40°	185.1	171.0	157.5	147.4	141.2	137.9	135.6	133.4	131.7	130.0	128.3
42.5°	182.9	166.0	150.8	140.7	135.0	133.9	133.4	131.7	129.4	126.6	124.3
45°	181.2	159.8	144.0	135.0	131.1	130.5	130.5	128.8	127.2	124.3	121.0
47.5°	175.6	151.9	136.7	130.0	128.3	128.8	128.3	126.6	125.5	122.7	118.7
50°	163.2	140.1	125.5	120.4	119.8	119.3	119.3	118.7	117.6	115.3	111.4
52.5°	152.5	129.4	117.6	114.2	113.1	113.1	112.0	111.4	109.2	107.5	104.7
55°	145.7	123.8	113.7	111.4	111.4	110.8	109.7	108.0	106.3	104.1	100.7
57.5°	139.5	119.3	110.8	109.2	109.7	109.2	108.0	106.9	104.7	101.8	97.9
60°	130.5	112.5	105.2	104.7	105.8	106.9	106.3	105.8	104.1	100.2	94.5
62.5°	117.6	101.3	95.7	96.8	97.9	99.0	98.5	97.9	96.2	92.8	87.8
65°	104.7	92.8	89.5	90.6	91.7	91.7	91.7	90.6	89.5	85.5	81.6
67.5°	92.3	85.0	83.8	85.0	85.5	85.5	86.1	85.0	83.3	80.5	76.5
70°	78.8	75.4	75.4	76.5	77.1	76.5	77.1	75.4	73.7	72.0	68.1
72.5°	70.3	70.3	69.8	69.8	69.8	68.6	68.1	67.0	65.3	63.6	60.2
75°	62.5	62.5	61.9	63.0	60.8	59.1	58.5	57.4	55.7	53.5	51.2
77.5°	53.5	52.3	52.3	54.0	53.5	51.2	49.5	49.0	46.7	44.5	43.3
80°	46.1	45.0	45.0	44.5	43.3	42.8	40.5	38.3	37.7	37.7	36.0
82.5°	40.5	39.9	38.3	37.1	35.4	33.8	32.1	30.9	29.3	28.7	29.3
85°	32.1	32.6	30.9	29.8	28.1	25.9	24.2	23.1	21.9	21.9	24.2
87.5°	18.6	17.4	17.4	16.9	16.3	14.6	14.6	12.9	12.4	15.8	16.3
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: P141588

CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9
2.5°	575.0	575.0	573.4	574.5	573.9	574.5	576.7	574.5	573.9	575.6	577.3
5°	575.0	576.2	574.5	575.6	575.6	577.3	580.1	578.4	579.5	581.8	584.0
7.5°	572.8	574.5	574.5	576.7	578.4	581.2	585.2	584.0	586.3	589.7	592.5
10°	566.6	569.4	572.2	575.6	579.5	584.0	589.7	589.7	591.9	596.4	599.2
12.5°	551.4	558.7	562.1	570.0	576.2	582.9	589.1	593.0	594.7	598.7	602.0
15°	521.0	530.0	536.8	546.3	556.5	566.0	576.7	580.7	584.0	585.7	587.4
17.5°	486.1	492.3	496.8	509.2	520.5	529.5	539.6	544.7	548.6	548.6	549.7
20°	457.4	460.3	461.4	461.4	468.1	476.6	489.5	487.8	491.2	487.8	491.2
22.5°	413.0	408.5	410.7	410.7	415.2	413.6	418.6	427.1	425.9	428.2	437.7
25°	359.0	359.5	355.6	355.6	356.2	357.3	359.5	361.8	369.7	378.1	384.3
27.5°	307.8	306.7	303.8	301.6	299.3	303.3	306.1	305.5	316.8	323.5	334.8
30°	251.5	251.5	252.1	250.9	253.2	250.4	254.9	256.0	265.6	272.9	283.0
32.5°	204.8	205.9	205.9	205.4	209.3	206.5	208.7	211.6	217.7	223.9	229.0
35°	162.6	164.3	168.8	170.5	172.2	169.9	172.7	176.1	176.7	182.3	186.2
37.5°	137.9	140.7	141.2	142.4	142.4	144.0	144.6	146.9	146.9	148.5	149.7
40°	127.2	126.0	125.5	124.9	123.8	124.3	124.9	126.6	127.2	128.3	128.3
42.5°	122.1	120.4	117.6	115.9	113.7	113.7	113.7	113.7	115.3	116.5	116.5
45°	117.6	114.8	112.0	109.2	107.5	106.3	106.9	107.5	108.6	109.2	109.7
47.5°	114.8	110.8	106.3	103.5	101.8	100.7	101.3	101.8	101.8	102.4	103.0
50°	106.9	103.0	99.0	96.2	94.5	94.0	94.0	93.4	94.0	94.5	94.5
52.5°	100.7	96.8	93.4	90.6	88.9	88.9	88.3	87.2	87.8	87.2	87.8
55°	97.3	92.3	88.3	85.5	83.8	83.8	82.7	83.3	83.3	82.1	82.7
57.5°	93.4	88.3	85.0	81.6	79.3	79.3	78.8	79.3	79.9	78.2	78.2
60°	89.5	85.0	81.0	78.2	75.4	76.0	75.4	76.5	76.5	74.8	74.8
62.5°	82.1	78.2	76.0	74.3	72.0	72.6	72.6	74.3	72.6	71.5	70.9
65°	76.5	73.7	70.3	70.3	68.1	69.2	69.2	69.2	67.5	67.0	67.5
67.5°	72.6	69.2	67.0	64.7	63.0	63.6	62.5	62.5	61.9	61.3	62.5
70°	65.3	62.5	61.3	59.1	58.0	56.3	55.7	55.7	55.7	55.1	55.7
72.5°	58.0	55.7	54.6	52.3	51.2	50.1	49.5	49.0	48.4	49.0	49.0
75°	49.0	47.8	46.7	45.6	44.5	43.9	43.3	43.3	42.8	42.2	42.8
77.5°	42.2	40.5	39.9	38.8	39.4	37.7	37.1	37.7	37.7	37.7	38.3
80°	36.0	34.9	34.9	33.8	33.2	32.1	32.6	32.6	32.6	32.6	33.2
82.5°	31.5	30.4	30.4	29.8	28.1	27.0	27.6	28.7	28.7	28.1	29.3
85°	25.9	24.8	24.8	24.2	21.9	21.4	20.8	21.9	22.5	21.4	22.5
87.5°	16.9	15.8	15.2	15.2	12.9	9.0	11.8	12.9	12.9	10.7	12.4
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: P141588

CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9
2.5°	576.7	577.9	577.9	579.0	581.2	579.0	577.9	579.5	579.5	579.0	579.0
5°	584.0	586.3	586.9	590.2	591.9	590.8	591.9	593.0	593.6	592.5	593.6
7.5°	593.6	596.4	599.2	603.2	606.5	606.0	607.7	609.9	610.5	610.5	611.6
10°	601.5	605.4	608.2	613.3	617.2	618.4	620.1	622.9	625.7	625.7	627.9
12.5°	603.2	607.7	610.5	615.0	621.7	624.0	627.9	634.7	637.5	639.7	641.4
15°	588.5	592.5	596.4	602.6	610.5	617.2	626.2	635.8	644.2	650.4	652.7
17.5°	550.3	550.8	554.8	563.8	580.1	587.4	598.7	618.4	630.2	641.4	652.1
20°	494.0	504.7	508.6	520.5	536.2	547.5	560.4	578.4	596.4	616.7	634.7
22.5°	444.5	458.6	469.8	483.9	496.8	509.8	526.1	541.8	561.5	581.2	602.6
25°	393.9	406.8	422.6	437.7	452.9	469.3	489.5	506.4	526.1	549.2	576.2
27.5°	344.9	358.4	375.9	393.9	406.2	428.2	445.1	469.8	492.3	517.6	548.0
30°	293.7	306.7	315.1	334.8	352.2	374.2	400.1	424.2	451.3	479.4	514.8
32.5°	238.0	245.9	257.7	271.2	291.5	314.5	341.5	367.4	404.6	439.4	473.2
35°	190.7	194.7	194.1	209.3	218.3	245.9	279.6	304.4	341.5	384.3	428.7
37.5°	150.2	149.7	153.0	155.3	166.5	184.6	211.0	243.1	285.8	332.0	376.4
40°	128.3	128.8	129.4	129.4	131.7	143.5	167.1	200.3	241.4	282.5	331.4
42.5°	118.2	119.3	119.8	121.0	122.1	126.0	142.9	173.9	208.7	252.6	296.5
45°	110.8	112.5	114.2	114.2	115.3	116.5	126.0	149.7	184.6	226.2	272.3
47.5°	104.7	106.3	107.5	108.0	109.2	110.3	115.3	131.7	165.4	203.1	250.9
50°	95.7	97.3	98.5	100.2	100.2	100.2	103.5	115.3	141.2	178.4	225.1
52.5°	88.3	89.5	91.2	92.3	92.8	93.4	95.1	101.8	121.5	156.4	200.3
55°	84.4	85.5	87.2	88.3	89.5	90.0	91.2	94.0	108.0	137.9	178.9
57.5°	79.3	81.0	83.3	84.4	85.5	86.1	86.6	87.8	97.3	119.8	153.6
60°	76.0	78.8	81.6	83.3	83.8	84.4	85.0	83.8	87.8	101.8	128.3
62.5°	72.0	74.8	77.1	79.3	79.9	80.5	81.0	79.3	78.8	85.5	100.2
65°	68.6	70.3	72.0	73.7	73.7	74.3	73.7	71.5	69.8	69.8	76.5
67.5°	64.1	65.3	67.0	67.5	67.5	67.5	67.0	66.4	63.6	62.5	63.6
70°	57.4	59.1	60.8	61.9	61.9	61.3	60.8	59.1	58.0	56.8	58.0
72.5°	51.2	53.5	54.0	54.6	54.0	54.0	54.0	52.9	53.5	53.5	54.0
75°	45.0	46.1	46.1	47.3	47.3	47.3	47.3	47.3	48.4	47.8	48.4
77.5°	38.3	38.8	39.9	39.9	39.9	40.5	41.6	41.6	42.8	43.3	43.3
80°	33.2	32.1	32.1	31.5	32.1	33.2	34.3	36.6	36.6	37.1	37.7
82.5°	26.4	24.2	23.1	24.2	24.2	24.8	27.0	29.3	29.3	30.9	31.5
85°	20.3	17.4	15.2	16.3	16.3	17.4	19.7	20.8	22.5	23.1	22.5
87.5°	11.8	10.1	6.8	5.6	6.8	8.4	9.0	10.1	8.4	9.6	10.1
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: P141588

CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9
2.5°	580.1	580.1	577.3	577.3	577.9	579.0	576.2	575.6	576.2	575.6	575.0
5°	595.3	593.6	593.0	591.9	591.4	592.5	589.7	589.7	589.1	588.0	586.3
7.5°	612.2	611.0	609.9	608.8	607.7	608.2	605.4	604.9	604.3	603.7	602.0
10°	627.9	626.2	625.1	622.3	620.1	617.8	612.2	610.5	608.8	607.7	607.1
12.5°	640.9	639.2	635.2	630.2	626.8	621.2	616.7	612.7	611.0	609.4	609.9
15°	653.2	649.9	644.8	638.6	635.2	629.6	626.2	624.6	623.4	622.3	623.4
17.5°	657.2	658.3	655.5	653.8	651.6	649.3	649.9	651.6	654.9	654.9	654.9
20°	649.9	662.3	670.1	676.3	681.4	684.8	685.3	687.0	690.9	692.6	701.1
22.5°	632.4	664.5	690.9	712.3	725.8	730.3	735.4	741.0	741.6	743.3	751.2
25°	616.1	662.8	702.2	736.0	767.5	789.4	801.8	813.0	815.9	818.1	818.1
27.5°	587.4	639.2	689.8	734.8	778.2	814.7	843.4	872.7	892.9	900.3	910.9
30°	557.0	611.6	663.9	720.8	775.9	827.1	878.9	926.1	959.3	984.1	1003.8
32.5°	518.8	577.9	637.5	699.4	765.2	829.4	898.6	967.2	1030.2	1079.7	1110.1
35°	478.8	540.7	602.6	670.7	745.0	822.6	910.9	1002.1	1086.5	1167.0	1236.2
37.5°	434.9	493.5	561.0	638.6	718.5	811.4	914.3	1027.4	1144.5	1259.8	1349.3
40°	384.9	441.7	507.0	588.5	685.3	790.0	912.6	1047.1	1194.0	1337.4	1481.5
42.5°	350.5	402.9	465.3	547.5	645.9	765.8	905.9	1065.1	1239.0	1416.8	1598.0
45°	324.7	375.9	437.2	516.0	616.1	742.1	903.6	1085.4	1286.2	1489.9	1701.5
47.5°	302.1	355.0	414.1	491.8	588.5	720.8	898.6	1102.3	1325.6	1546.2	1791.5
50°	280.2	334.2	395.0	473.2	568.3	697.7	887.3	1117.4	1362.8	1604.7	1865.8
52.5°	256.0	309.5	374.7	454.6	555.3	683.1	875.5	1129.8	1398.8	1667.2	1942.9
55°	230.1	284.1	348.3	432.7	537.9	671.8	863.7	1137.7	1436.5	1723.4	2012.1
57.5°	202.0	256.0	318.5	404.6	516.5	656.6	850.7	1137.1	1464.0	1776.3	2086.9
60°	167.7	216.6	278.5	365.2	479.4	635.2	840.1	1132.6	1483.7	1823.0	2170.2
62.5°	127.7	169.4	226.2	307.2	425.9	594.2	811.9	1113.5	1486.0	1856.8	2239.4
65°	91.2	113.7	158.7	239.7	338.2	502.5	743.8	1062.9	1448.9	1832.6	2245.6
67.5°	69.8	82.1	104.1	152.5	239.7	382.6	626.8	949.2	1333.5	1703.7	2142.0
70°	60.2	66.4	78.2	99.6	150.2	248.1	443.9	750.0	1098.3	1465.7	1839.9
72.5°	55.7	59.6	67.0	77.6	95.7	146.3	273.5	504.1	806.9	1117.4	1444.9
75°	51.2	55.1	60.8	67.5	76.5	97.9	149.1	296.5	498.0	738.2	971.2
77.5°	45.6	49.0	56.3	62.5	68.1	76.5	95.1	164.9	274.0	441.7	581.2
80°	38.3	41.6	47.3	56.8	62.5	68.1	74.3	101.3	151.4	228.4	298.2
82.5°	31.5	33.2	37.7	46.1	51.2	54.0	55.7	65.8	86.1	112.5	164.3
85°	21.9	21.9	25.3	29.8	33.8	31.5	32.1	33.8	44.5	62.5	126.0
87.5°	8.4	6.2	7.9	9.6	9.6	9.0	10.7	10.1	14.1	26.4	36.0
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: P141588
 CATALOG NUMBER: EMM-E02-LED-E1-SLR-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	573.9	0°
2.5°	575.0	575.0	574.5	573.9	573.4	573.4	572.2	573.9	573.4	573.9	574.5	2.5°
5°	586.9	585.7	584.6	583.5	583.5	582.4	580.7	580.1	577.9	577.3	575.6	5°
7.5°	603.7	603.7	603.7	602.6	600.4	597.5	594.2	591.9	585.7	581.2	576.2	7.5°
10°	608.2	609.4	609.9	610.5	608.2	607.7	603.7	599.2	591.9	585.2	578.4	10°
12.5°	609.9	612.2	612.7	613.3	611.6	610.5	606.5	603.7	597.5	590.8	587.4	12.5°
15°	625.7	629.6	634.1	633.6	638.6	633.0	629.6	630.2	623.4	616.1	613.9	15°
17.5°	666.2	667.9	677.4	678.0	685.9	688.1	682.5	676.3	672.4	667.9	658.3	17.5°
20°	710.1	722.5	725.8	742.7	750.6	754.5	755.1	755.1	747.8	728.1	720.2	20°
22.5°	757.9	776.5	796.7	807.4	823.7	826.0	834.4	829.4	823.7	808.5	790.5	22.5°
25°	835.0	845.7	863.7	890.7	898.6	914.9	911.5	918.8	906.4	880.0	869.3	25°
27.5°	921.1	939.6	965.0	990.3	1001.5	1019.5	1008.3	1019.5	999.3	992.0	966.1	27.5°
30°	1015.0	1040.4	1085.4	1116.9	1140.0	1152.3	1145.0	1138.8	1133.2	1119.7	1118.0	30°
32.5°	1130.4	1160.8	1203.5	1244.6	1285.1	1327.3	1337.4	1346.4	1367.3	1326.2	1286.2	32.5°
35°	1272.7	1295.8	1343.6	1390.9	1446.6	1499.5	1586.7	1608.6	1580.5	1531.6	1467.4	35°
37.5°	1411.7	1464.0	1511.9	1568.1	1609.8	1670.5	1709.4	1752.7	1729.1	1683.5	1609.8	37.5°
40°	1582.2	1653.1	1718.4	1787.6	1834.8	1882.1	1955.2	2002.5	1998.0	1941.2	1841.6	40°
42.5°	1738.6	1851.2	1959.2	2010.9	2074.0	2159.5	2213.5	2288.9	2294.0	2228.1	2101.5	42.5°
45°	1902.4	2033.5	2165.1	2267.0	2320.4	2426.2	2550.0	2632.1	2657.4	2532.0	2402.6	45°
47.5°	2030.6	2234.9	2411.6	2520.2	2619.7	2728.9	2888.1	3006.9	2996.7	2827.4	2656.3	47.5°
50°	2143.2	2403.1	2616.9	2795.9	2915.1	3041.2	3251.1	3392.8	3343.3	3127.8	2914.0	50°
52.5°	2245.0	2550.0	2814.4	3036.1	3175.1	3355.1	3620.2	3743.9	3603.3	3395.1	3130.6	52.5°
55°	2338.4	2682.8	2990.0	3256.7	3471.1	3703.4	3952.1	4037.1	3836.8	3579.6	3336.6	55°
57.5°	2424.5	2806.0	3151.5	3471.6	3759.1	4036.5	4253.2	4258.8	4007.3	3722.0	3490.2	57.5°
60°	2528.0	2919.1	3320.3	3694.4	4045.0	4333.0	4459.6	4419.7	4117.0	3828.3	3596.0	60°
62.5°	2628.2	3020.9	3458.1	3908.8	4331.4	4582.9	4608.2	4523.8	4192.4	3877.9	3675.3	62.5°
65°	2677.7	3098.6	3535.2	4045.0	4555.3	4732.0	4701.0	4568.8	4222.8	3885.2	3695.6	65°
67.5°	2605.1	3026.0	3461.5	3985.9	4554.2	4722.4	4642.5	4482.7	4149.1	3785.6	3601.6	67.5°
70°	2337.9	2745.8	3100.8	3594.3	4233.5	4399.4	4279.6	4121.5	3842.4	3486.8	3403.0	70°
72.5°	1967.1	2269.8	2566.9	2931.5	3369.8	3514.9	3356.8	3435.6	3363.6	3019.2	2942.7	72.5°
75°	1476.4	1759.4	1875.3	1987.3	2290.0	2376.7	2315.9	2586.0	2659.7	2516.2	2321.0	75°
77.5°	966.1	1263.2	1284.6	1286.8	1410.6	1576.6	1796.6	2077.3	2216.9	2152.2	1915.3	77.5°
80°	563.2	890.1	796.2	765.8	875.5	1060.6	1350.9	1702.6	1887.2	1900.7	1674.5	80°
82.5°	283.0	558.2	483.3	478.3	540.2	676.9	889.0	1085.4	1325.6	1336.9	1366.7	82.5°
85°	220.0	383.7	392.7	425.9	469.3	526.1	541.8	576.7	710.6	834.4	866.5	85°
87.5°	114.2	282.5	333.1	387.7	382.6	313.4	264.5	285.3	332.0	350.0	454.6	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: P141588

NUMBER: EMM-E02-LED-E1-SLR-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
573.9	573.9	573.9	573.9	573.9	573.9	573.9
573.4	574.5	573.9	574.5	575.0	575.0	574.5
572.8	572.2	570.0	568.8	568.8	567.7	567.2
569.4	565.5	559.8	556.5	554.2	552.5	549.7
570.0	563.2	555.9	550.8	545.8	542.4	539.0
577.3	568.8	562.1	554.2	550.3	545.8	541.8
602.6	591.4	583.5	576.2	571.7	568.3	564.9
643.1	629.6	616.7	609.9	602.0	596.4	595.9
697.7	678.0	661.1	645.9	638.6	629.6	627.9
759.6	730.9	712.9	696.0	685.9	675.2	675.8
838.4	809.7	780.4	763.0	748.3	750.0	748.3
932.9	910.4	876.6	855.2	850.7	833.3	820.4
1080.3	1046.5	1005.5	967.2	943.0	914.3	887.3
1224.9	1162.5	1107.9	1070.7	1039.8	997.6	955.4
1367.8	1295.8	1245.2	1213.7	1165.8	1106.8	1040.9
1537.8	1490.5	1454.5	1377.4	1309.3	1218.7	1119.1
1783.1	1723.4	1637.3	1539.4	1441.0	1312.7	1176.5
2027.3	1955.2	1834.8	1690.8	1549.6	1394.8	1221.5
2292.3	2153.3	1996.3	1821.9	1648.0	1456.2	1252.5
2501.0	2327.7	2131.9	1922.6	1726.2	1506.8	1279.5
2714.3	2505.0	2259.1	2023.3	1797.1	1547.9	1306.5
2881.9	2648.4	2389.1	2115.0	1863.0	1594.0	1343.6
3049.6	2791.4	2505.5	2206.8	1944.6	1658.2	1399.3
3189.2	2920.8	2618.1	2306.9	2039.1	1743.7	1490.5
3373.2	3102.5	2750.3	2425.6	2146.0	1860.2	1605.8
3548.1	3315.8	2934.3	2565.2	2276.5	1991.8	1736.9
3663.5	3556.6	3122.8	2705.3	2399.2	2115.0	1852.3
3665.7	3709.6	3321.4	2818.9	2514.0	2249.0	1946.8
3577.4	3731.0	3363.6	2829.1	2568.5	2308.6	1996.3
3271.9	3467.7	3111.0	2629.3	2467.3	2261.9	1941.7
2530.8	2672.6	2488.1	2228.7	2234.3	2114.5	1727.9
1752.1	1886.0	1730.7	1675.6	1798.8	1731.9	1290.2
1327.3	1154.6	1093.8	1123.1	1276.7	1269.4	811.4
1182.1	873.8	724.7	760.7	901.4	823.2	451.8
969.5	871.6	728.6	658.9	687.0	562.1	308.9
558.2	637.5	519.3	489.5	425.9	253.2	125.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)