

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: P141595

Luminaire Tested: **EMM-F02-LED-E1-SLR**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141595
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-F02-LED-E1-SLR
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4318.4 lumens
Efficiency: N/A
Efficacy: 78.5 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): 55
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

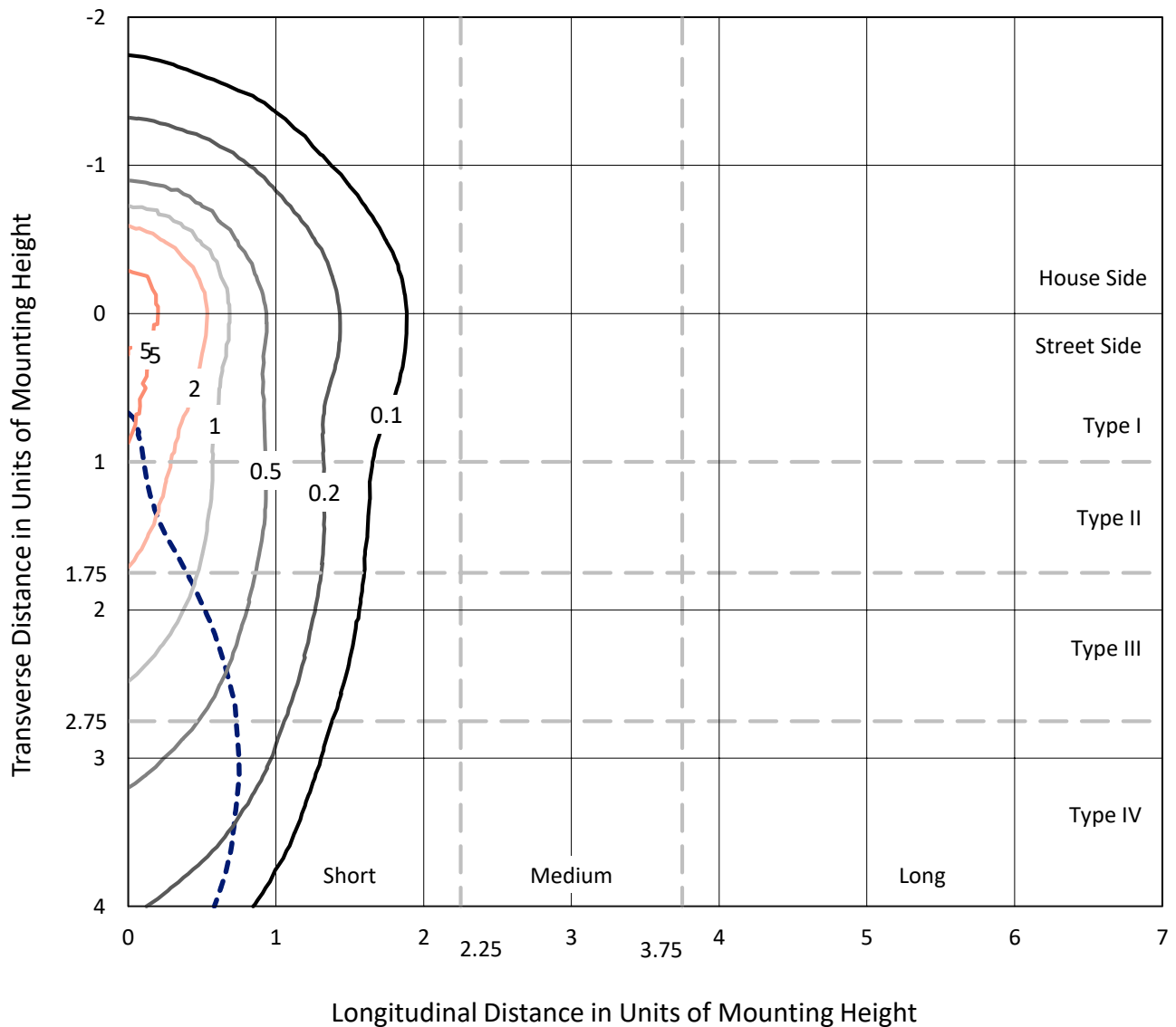


REPORT NUMBER: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

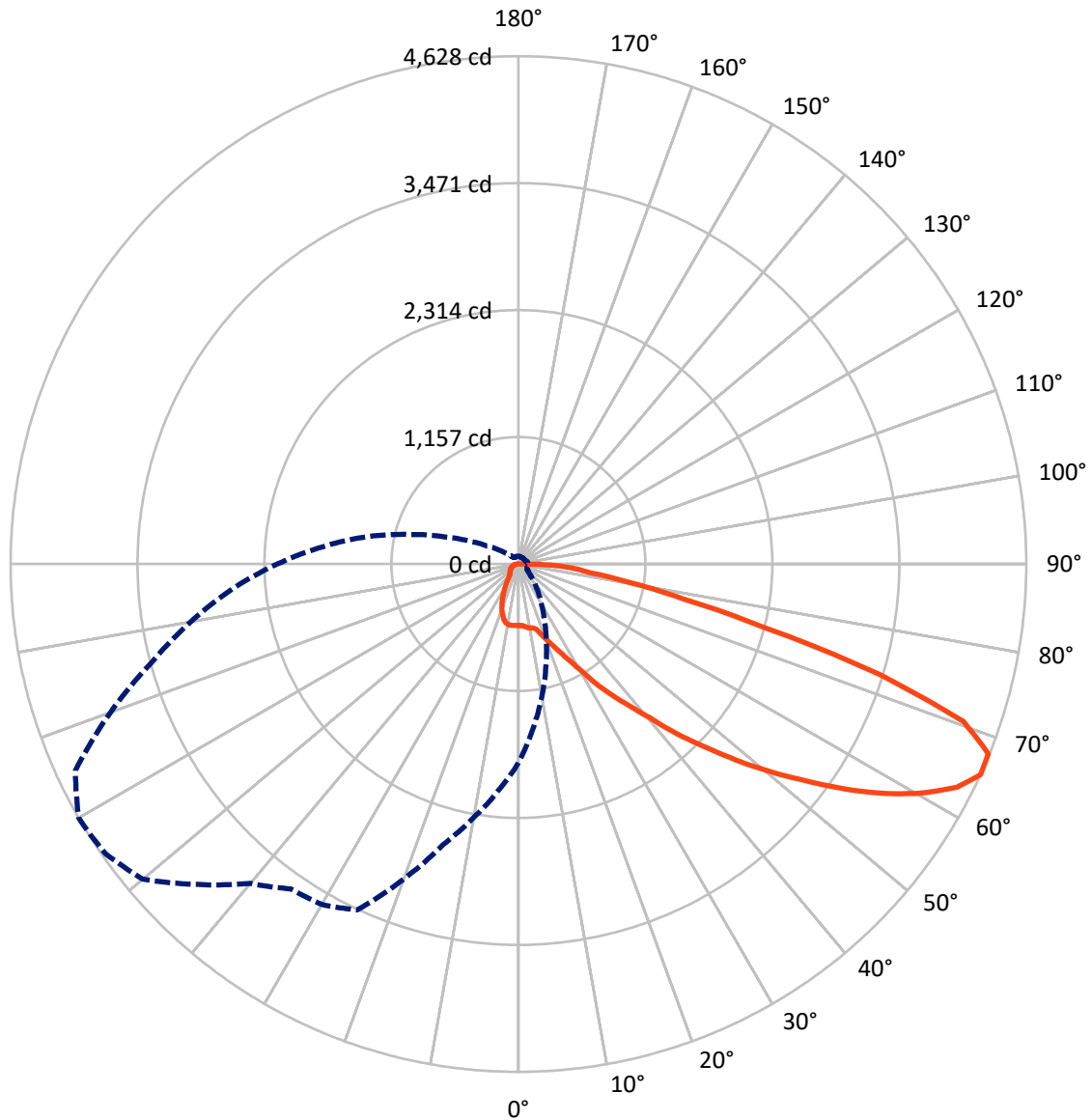


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.0	0.0	801.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3517.4	0.0	3517.4
	% Fixture	81.5	0.0	81.5
Total	Lumens	4318.4	0.0	4318.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.3
10°-20°	163.1	3.8
20°-30°	271.0	6.3
30°-40°	396.2	9.2
40°-50°	602.6	14.0
50°-60°	866.2	20.1
60°-70°	1065.0	24.7
70°-80°	712.5	16.5
80°-90°	187.4	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°	4318.4	100.0
0°-180°	4318.4	100.0



REPORT NUMBER: P141595

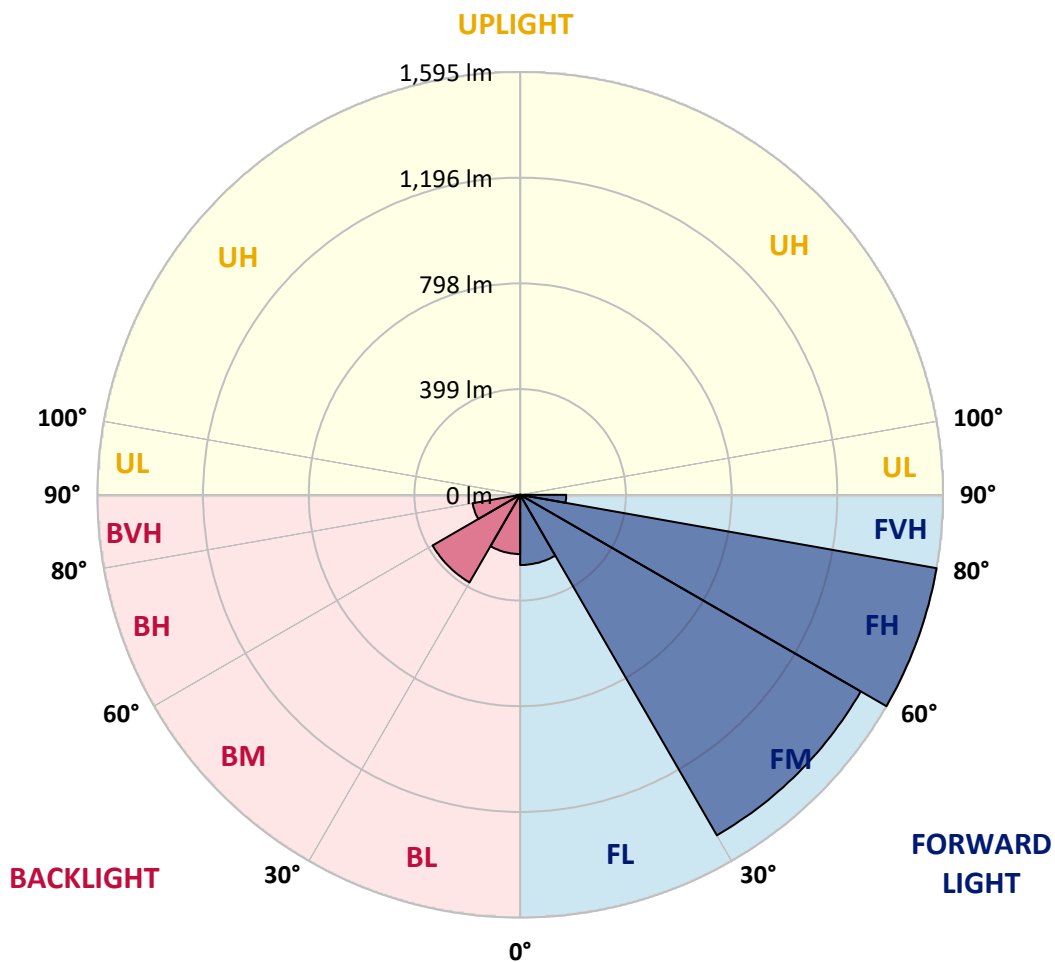
CATALOG NUMBER: EMM-F02-LED-E1-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.9	6.1			
FM	(30°-60°)	1483.5	34.4			
FH	(60°-80°)	1595.2	36.9			G1/1800
FVH	(80°-90°)	173.8	4.0			G2/225
BL	(0°-30°)	223.5	5.2	B1/500		
BM	(30°-60°)	381.5	8.8	B1/1000		
BH	(60°-80°)	182.3	4.2	B1/500		G1/500
BVH	(80°-90°)	13.6	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: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4
2.5°	561.9	563.6	563.6	562.5	561.9	562.5	563.0	562.5	563.0	564.1	563.6
5°	554.8	555.9	556.4	556.4	556.4	557.5	559.2	558.6	560.3	561.4	561.4
7.5°	537.7	539.9	539.9	540.4	541.5	543.2	545.9	547.0	549.8	553.7	554.8
10°	527.2	527.8	526.1	525.6	526.7	530.0	531.6	534.4	538.8	543.2	547.6
12.5°	530.0	530.5	527.8	528.3	528.3	530.0	534.9	537.1	538.8	541.5	545.9
15°	552.6	552.6	549.2	550.3	550.9	553.1	553.1	549.2	548.1	545.4	543.2
17.5°	582.8	578.4	577.9	577.3	579.5	577.3	572.4	563.6	553.1	542.1	533.3
20°	614.2	614.7	611.4	610.9	604.8	597.1	582.8	565.2	546.5	529.4	511.8
22.5°	661.0	662.1	656.0	643.9	630.7	610.3	584.5	557.5	530.5	506.9	486.5
25°	732.0	720.4	706.6	681.3	647.8	612.0	576.2	542.6	507.4	476.1	450.2
27.5°	802.4	779.3	742.4	701.1	653.8	607.6	565.2	520.1	478.3	440.3	410.6
30°	867.9	825.0	772.1	713.3	652.7	593.3	539.3	488.2	438.6	397.9	362.7
32.5°	934.5	871.8	798.6	716.0	636.2	565.2	503.0	444.1	395.2	345.6	307.6
35°	1018.1	923.5	814.5	705.5	607.6	521.2	454.6	398.5	345.6	295.5	255.9
37.5°	1094.6	964.8	822.8	687.9	570.2	475.5	402.3	345.1	295.5	253.2	219.0
40°	1150.8	991.7	821.7	665.4	532.2	428.7	356.6	304.9	260.3	226.7	200.3
42.5°	1194.8	1007.1	816.2	643.9	499.2	394.6	326.9	279.6	244.4	217.4	197.0
45°	1225.1	1018.1	812.9	626.8	477.2	378.1	317.0	277.4	247.7	223.4	200.3
47.5°	1251.5	1030.8	811.8	619.1	472.2	383.0	330.2	294.4	262.0	230.6	199.8
50°	1277.9	1043.5	821.7	631.8	490.9	410.6	361.0	315.4	270.8	228.4	190.4
52.5°	1314.2	1080.3	858.5	668.1	531.6	449.1	390.2	332.4	272.4	222.9	181.6
55°	1368.7	1137.6	911.4	716.0	575.7	490.9	413.9	339.0	270.8	216.8	173.4
57.5°	1457.9	1221.8	983.5	782.6	632.9	523.4	427.1	341.8	266.9	210.2	166.8
60°	1570.7	1318.1	1074.3	852.5	681.9	545.9	432.6	340.7	261.4	202.5	157.4
62.5°	1698.9	1423.8	1156.3	916.3	717.1	556.4	430.4	331.9	248.8	186.6	144.2
65°	1811.8	1508.0	1225.1	967.5	739.1	556.4	416.6	311.5	226.2	164.0	127.1
67.5°	1904.2	1579.0	1277.9	997.2	741.3	537.1	383.6	274.6	190.4	135.9	107.3
70°	1952.6	1601.5	1294.4	993.9	704.4	481.6	323.1	213.5	139.8	105.7	86.4
72.5°	1899.3	1548.1	1224.0	898.2	587.8	359.4	226.2	145.3	100.2	82.0	71.5
75°	1690.1	1313.7	1018.7	694.5	421.0	224.0	140.3	101.8	79.3	68.2	62.7
77.5°	1262.0	979.1	701.1	439.7	241.1	135.9	98.5	77.6	66.6	60.0	55.0
80°	793.6	603.2	421.6	242.2	137.6	100.2	82.0	69.3	60.5	52.3	47.3
82.5°	441.9	321.4	214.6	138.1	95.8	80.9	71.0	63.8	53.9	45.7	40.7
85°	302.1	198.7	135.4	90.8	66.0	58.9	52.8	48.4	41.3	34.7	31.9
87.5°	122.7	114.5	83.1	36.3	27.0	24.2	21.5	26.4	22.0	17.1	16.0
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: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4
2.5°	564.7	563.6	564.1	563.6	563.0	562.5	561.9	562.5	561.4	561.9	561.9
5°	563.0	561.9	563.6	563.0	561.9	561.9	561.4	561.4	561.4	561.4	561.9
7.5°	558.1	558.1	559.7	559.7	558.6	558.6	557.5	557.0	557.0	557.5	558.6
10°	551.5	553.1	555.9	554.8	552.6	551.5	549.8	548.7	548.1	549.2	550.3
12.5°	546.5	547.6	545.9	544.3	541.0	537.1	536.6	533.8	532.2	534.9	534.9
15°	538.2	533.8	527.8	522.3	514.6	510.7	506.3	505.2	501.4	501.9	504.7
17.5°	520.6	509.1	499.7	494.2	487.6	484.9	479.9	477.2	474.4	471.6	473.3
20°	495.9	483.2	471.1	463.9	453.5	451.3	443.0	443.0	439.7	440.3	443.6
22.5°	464.5	445.2	429.8	421.0	410.0	405.6	401.8	399.0	397.4	400.7	396.8
25°	423.2	400.1	385.8	373.1	361.0	356.6	351.7	350.0	350.6	348.4	352.2
27.5°	380.8	352.2	336.8	322.5	313.7	306.0	302.1	301.0	298.8	304.9	301.6
30°	327.5	301.6	283.4	268.6	258.1	254.3	250.4	249.3	252.6	248.2	246.0
32.5°	273.5	245.5	230.0	217.4	209.7	202.0	200.9	198.7	194.8	199.8	198.7
35°	224.5	200.9	184.9	177.2	166.8	163.5	156.8	155.2	155.7	156.8	156.3
37.5°	194.8	178.3	164.0	153.5	145.8	141.4	139.2	137.0	137.0	135.9	135.4
40°	181.1	167.3	154.1	144.2	138.1	134.8	132.6	130.4	128.8	127.1	125.5
42.5°	178.9	162.4	147.5	137.6	132.1	131.0	130.4	128.8	126.6	123.8	121.6
45°	177.2	156.3	140.9	132.1	128.2	127.7	127.7	126.0	124.4	121.6	118.3
47.5°	171.7	148.6	133.7	127.1	125.5	126.0	125.5	123.8	122.7	120.0	116.1
50°	159.6	137.0	122.7	117.8	117.2	116.7	116.7	116.1	115.0	112.8	109.0
52.5°	149.1	126.6	115.0	111.7	110.6	110.6	109.5	109.0	106.8	105.1	102.4
55°	142.5	121.1	111.2	109.0	109.0	108.4	107.3	105.7	104.0	101.8	98.5
57.5°	136.5	116.7	108.4	106.8	107.3	106.8	105.7	104.6	102.4	99.6	95.8
60°	127.7	110.1	102.9	102.4	103.5	104.6	104.0	103.5	101.8	98.0	92.5
62.5°	115.0	99.1	93.6	94.7	95.8	96.9	96.3	95.8	94.1	90.8	85.9
65°	102.4	90.8	87.5	88.6	89.7	89.7	89.7	88.6	87.5	83.7	79.8
67.5°	90.3	83.1	82.0	83.1	83.7	83.7	84.2	83.1	81.5	78.7	74.8
70°	77.0	73.7	73.7	74.8	75.4	74.8	75.4	73.7	72.1	70.4	66.6
72.5°	68.8	68.8	68.2	68.2	68.2	67.1	66.6	65.5	63.8	62.2	58.9
75°	61.1	61.1	60.5	61.6	59.4	57.8	57.2	56.1	54.5	52.3	50.1
77.5°	52.3	51.2	51.2	52.8	52.3	50.1	48.4	47.9	45.7	43.5	42.4
80°	45.1	44.0	44.0	43.5	42.4	41.8	39.6	37.4	36.9	36.9	35.2
82.5°	39.6	39.1	37.4	36.3	34.7	33.0	31.4	30.3	28.6	28.1	28.6
85°	31.4	31.9	30.3	29.2	27.5	25.3	23.7	22.6	21.5	21.5	23.7
87.5°	18.2	17.1	17.1	16.5	16.0	14.3	14.3	12.7	12.1	15.4	16.0
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: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4
2.5°	562.5	562.5	560.8	561.9	561.4	561.9	564.1	561.9	561.4	563.0	564.7
5°	562.5	563.6	561.9	563.0	563.0	564.7	567.4	565.8	566.9	569.1	571.3
7.5°	560.3	561.9	561.9	564.1	565.8	568.5	572.4	571.3	573.5	576.8	579.5
10°	554.2	557.0	559.7	563.0	566.9	571.3	576.8	576.8	579.0	583.4	586.1
12.5°	539.3	546.5	549.8	557.5	563.6	570.2	576.2	580.1	581.7	585.6	588.9
15°	509.6	518.4	525.0	534.4	544.3	553.7	564.1	568.0	571.3	572.9	574.6
17.5°	475.5	481.6	486.0	498.1	509.1	517.9	527.8	532.7	536.6	536.6	537.7
20°	447.4	450.2	451.3	451.3	457.9	466.1	478.8	477.2	480.5	477.2	480.5
22.5°	404.0	399.6	401.8	401.8	406.2	404.5	409.5	417.7	416.6	418.8	428.2
25°	351.1	351.7	347.8	347.8	348.4	349.5	351.7	353.9	361.6	369.8	375.9
27.5°	301.0	299.9	297.2	295.0	292.8	296.6	299.4	298.8	309.8	316.5	327.5
30°	246.0	246.0	246.6	245.5	247.7	244.9	249.3	250.4	259.8	266.9	276.8
32.5°	200.3	201.4	201.4	200.9	204.7	202.0	204.2	206.9	213.0	219.0	224.0
35°	159.1	160.7	165.1	166.8	168.4	166.2	169.0	172.3	172.8	178.3	182.2
37.5°	134.8	137.6	138.1	139.2	139.2	140.9	141.4	143.6	143.6	145.3	146.4
40°	124.4	123.3	122.7	122.2	121.1	121.6	122.2	123.8	124.4	125.5	125.5
42.5°	119.4	117.8	115.0	113.4	111.2	111.2	111.2	111.2	112.8	113.9	113.9
45°	115.0	112.3	109.5	106.8	105.1	104.0	104.6	105.1	106.2	106.8	107.3
47.5°	112.3	108.4	104.0	101.3	99.6	98.5	99.1	99.6	99.6	100.2	100.7
50°	104.6	100.7	96.9	94.1	92.5	91.9	91.9	91.4	91.9	92.5	92.5
52.5°	98.5	94.7	91.4	88.6	87.0	87.0	86.4	85.3	85.9	85.3	85.9
55°	95.2	90.3	86.4	83.7	82.0	82.0	80.9	81.5	81.5	80.4	80.9
57.5°	91.4	86.4	83.1	79.8	77.6	77.6	77.0	77.6	78.1	76.5	76.5
60°	87.5	83.1	79.3	76.5	73.7	74.3	73.7	74.8	74.8	73.2	73.2
62.5°	80.4	76.5	74.3	72.6	70.4	71.0	71.0	72.6	71.0	69.9	69.3
65°	74.8	72.1	68.8	68.8	66.6	67.7	67.7	67.7	66.0	65.5	66.0
67.5°	71.0	67.7	65.5	63.3	61.6	62.2	61.1	61.1	60.5	60.0	61.1
70°	63.8	61.1	60.0	57.8	56.7	55.0	54.5	54.5	54.5	53.9	54.5
72.5°	56.7	54.5	53.4	51.2	50.1	49.0	48.4	47.9	47.3	47.9	47.9
75°	47.9	46.8	45.7	44.6	43.5	42.9	42.4	42.4	41.8	41.3	41.8
77.5°	41.3	39.6	39.1	38.0	38.5	36.9	36.3	36.9	36.9	36.9	37.4
80°	35.2	34.1	34.1	33.0	32.5	31.4	31.9	31.9	31.9	31.9	32.5
82.5°	30.8	29.7	29.7	29.2	27.5	26.4	27.0	28.1	28.1	27.5	28.6
85°	25.3	24.2	24.2	23.7	21.5	20.9	20.4	21.5	22.0	20.9	22.0
87.5°	16.5	15.4	14.9	14.9	12.7	8.8	11.6	12.7	12.7	10.5	12.1
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: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4
2.5°	564.1	565.2	565.2	566.3	568.5	566.3	565.2	566.9	566.9	566.3	566.3
5°	571.3	573.5	574.0	577.3	579.0	577.9	579.0	580.1	580.6	579.5	580.6
7.5°	580.6	583.4	586.1	590.0	593.3	592.7	594.4	596.6	597.1	597.1	598.2
10°	588.3	592.2	594.9	599.9	603.7	604.8	606.5	609.2	612.0	612.0	614.2
12.5°	590.0	594.4	597.1	601.5	608.1	610.3	614.2	620.8	623.5	625.7	627.4
15°	575.7	579.5	583.4	589.4	597.1	603.7	612.5	621.9	630.2	636.2	638.4
17.5°	538.2	538.8	542.6	551.5	567.4	574.6	585.6	604.8	616.4	627.4	637.9
20°	483.2	493.7	497.5	509.1	524.5	535.5	548.1	565.8	583.4	603.2	620.8
22.5°	434.8	448.5	459.5	473.3	486.0	498.6	514.6	530.0	549.2	568.5	589.4
25°	385.2	397.9	413.3	428.2	443.0	459.0	478.8	495.3	514.6	537.1	563.6
27.5°	337.4	350.6	367.6	385.2	397.4	418.8	435.3	459.5	481.6	506.3	536.0
30°	287.3	299.9	308.2	327.5	344.5	366.0	391.3	415.0	441.4	468.9	503.6
32.5°	232.8	240.5	252.1	265.3	285.1	307.6	334.1	359.4	395.7	429.8	462.8
35°	186.6	190.4	189.9	204.7	213.5	240.5	273.5	297.7	334.1	375.9	419.4
37.5°	146.9	146.4	149.7	151.9	162.9	180.5	206.4	237.8	279.6	324.7	368.2
40°	125.5	126.0	126.6	126.6	128.8	140.3	163.5	195.9	236.1	276.3	324.2
42.5°	115.6	116.7	117.2	118.3	119.4	123.3	139.8	170.1	204.2	247.1	290.0
45°	108.4	110.1	111.7	111.7	112.8	113.9	123.3	146.4	180.5	221.2	266.4
47.5°	102.4	104.0	105.1	105.7	106.8	107.9	112.8	128.8	161.8	198.7	245.5
50°	93.6	95.2	96.3	98.0	98.0	98.0	101.3	112.8	138.1	174.5	220.1
52.5°	86.4	87.5	89.2	90.3	90.8	91.4	93.0	99.6	118.9	153.0	195.9
55°	82.6	83.7	85.3	86.4	87.5	88.1	89.2	91.9	105.7	134.8	175.0
57.5°	77.6	79.3	81.5	82.6	83.7	84.2	84.8	85.9	95.2	117.2	150.2
60°	74.3	77.0	79.8	81.5	82.0	82.6	83.1	82.0	85.9	99.6	125.5
62.5°	70.4	73.2	75.4	77.6	78.1	78.7	79.3	77.6	77.0	83.7	98.0
65°	67.1	68.8	70.4	72.1	72.1	72.6	72.1	69.9	68.2	68.2	74.8
67.5°	62.7	63.8	65.5	66.0	66.0	66.0	65.5	64.9	62.2	61.1	62.2
70°	56.1	57.8	59.4	60.5	60.5	60.0	59.4	57.8	56.7	55.6	56.7
72.5°	50.1	52.3	52.8	53.4	52.8	52.8	52.8	51.7	52.3	52.3	52.8
75°	44.0	45.1	45.1	46.2	46.2	46.2	46.2	46.2	47.3	46.8	47.3
77.5°	37.4	38.0	39.1	39.1	39.1	39.6	40.7	40.7	41.8	42.4	42.4
80°	32.5	31.4	31.4	30.8	31.4	32.5	33.6	35.8	35.8	36.3	36.9
82.5°	25.9	23.7	22.6	23.7	23.7	24.2	26.4	28.6	28.6	30.3	30.8
85°	19.8	17.1	14.9	16.0	16.0	17.1	19.3	20.4	22.0	22.6	22.0
87.5°	11.6	9.9	6.6	5.5	6.6	8.3	8.8	9.9	8.3	9.4	9.9
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: P141595

CATALOG NUMBER: EMM-F02-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4
2.5°	567.4	567.4	564.7	564.7	565.2	566.3	563.6	563.0	563.6	563.0	562.5
5°	582.3	580.6	580.1	579.0	578.4	579.5	576.8	576.8	576.2	575.1	573.5
7.5°	598.8	597.7	596.6	595.5	594.4	594.9	592.2	591.6	591.1	590.5	588.9
10°	614.2	612.5	611.4	608.7	606.5	604.3	598.8	597.1	595.5	594.4	593.8
12.5°	626.8	625.2	621.3	616.4	613.1	607.6	603.2	599.3	597.7	596.0	596.6
15°	639.0	635.7	630.7	624.6	621.3	615.8	612.5	610.9	609.8	608.7	609.8
17.5°	642.8	643.9	641.2	639.5	637.3	635.1	635.7	637.3	640.6	640.6	640.6
20°	635.7	647.8	655.5	661.5	666.5	669.8	670.3	672.0	675.8	677.5	685.7
22.5°	618.6	650.0	675.8	696.7	710.0	714.4	719.3	724.8	725.4	727.0	734.7
25°	602.6	648.3	686.8	719.9	750.7	772.1	784.2	795.3	798.0	800.2	800.2
27.5°	574.6	625.2	674.7	718.8	761.1	796.9	825.0	853.6	873.4	880.6	891.0
30°	544.8	598.2	649.4	705.0	758.9	809.0	859.6	905.9	938.3	962.6	981.8
32.5°	507.4	565.2	623.5	684.1	748.5	811.2	878.9	946.1	1007.7	1056.1	1085.8
35°	468.3	528.9	589.4	656.0	728.7	804.6	891.0	980.2	1062.7	1141.4	1209.1
37.5°	425.4	482.7	548.7	624.6	702.8	793.6	894.3	1004.9	1119.4	1232.2	1319.7
40°	376.4	432.0	495.9	575.7	670.3	772.7	892.7	1024.2	1167.8	1308.2	1449.1
42.5°	342.9	394.1	455.1	535.5	631.8	749.0	886.1	1041.8	1211.9	1385.8	1563.0
45°	317.6	367.6	427.6	504.7	602.6	725.9	883.9	1061.6	1258.1	1457.3	1664.3
47.5°	295.5	347.3	405.1	481.0	575.7	705.0	878.9	1078.1	1296.6	1512.4	1752.3
50°	274.1	326.9	386.3	462.8	555.9	682.4	867.9	1093.0	1332.9	1569.6	1825.0
52.5°	250.4	302.7	366.5	444.7	543.2	668.1	856.3	1105.1	1368.2	1630.7	1900.4
55°	225.1	277.9	340.7	423.2	526.1	657.1	844.8	1112.8	1405.0	1685.7	1968.1
57.5°	197.6	250.4	311.5	395.7	505.2	642.3	832.1	1112.3	1432.0	1737.5	2041.2
60°	164.0	211.9	272.4	357.2	468.9	621.3	821.7	1107.9	1451.3	1783.1	2122.7
62.5°	124.9	165.7	221.2	300.5	416.6	581.2	794.2	1089.1	1453.5	1816.2	2190.4
65°	89.2	111.2	155.2	234.4	330.8	491.5	727.6	1039.6	1417.2	1792.5	2196.4
67.5°	68.2	80.4	101.8	149.1	234.4	374.2	613.1	928.4	1304.3	1666.5	2095.2
70°	58.9	64.9	76.5	97.4	146.9	242.7	434.2	733.6	1074.3	1433.7	1799.6
72.5°	54.5	58.3	65.5	75.9	93.6	143.1	267.5	493.1	789.2	1093.0	1413.3
75°	50.1	53.9	59.4	66.0	74.8	95.8	145.8	290.0	487.1	722.1	949.9
77.5°	44.6	47.9	55.0	61.1	66.6	74.8	93.0	161.3	268.0	432.0	568.5
80°	37.4	40.7	46.2	55.6	61.1	66.6	72.6	99.1	148.0	223.4	291.7
82.5°	30.8	32.5	36.9	45.1	50.1	52.8	54.5	64.4	84.2	110.1	160.7
85°	21.5	21.5	24.8	29.2	33.0	30.8	31.4	33.0	43.5	61.1	123.3
87.5°	8.3	6.1	7.7	9.4	9.4	8.8	10.5	9.9	13.8	25.9	35.2
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: P141595
 CATALOG NUMBER: EMM-F02-LED-E1-SLR

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	561.4	0°
2.5°	562.5	562.5	561.9	561.4	560.8	560.8	559.7	561.4	560.8	561.4	561.9	2.5°
5°	574.0	572.9	571.8	570.7	570.7	569.6	568.0	567.4	565.2	564.7	563.0	5°
7.5°	590.5	590.5	590.5	589.4	587.2	584.5	581.2	579.0	572.9	568.5	563.6	7.5°
10°	594.9	596.0	596.6	597.1	594.9	594.4	590.5	586.1	579.0	572.4	565.8	10°
12.5°	596.6	598.8	599.3	599.9	598.2	597.1	593.3	590.5	584.5	577.9	574.6	12.5°
15°	612.0	615.8	620.2	619.7	624.6	619.1	615.8	616.4	609.8	602.6	600.4	15°
17.5°	651.6	653.3	662.6	663.2	670.9	673.1	667.6	661.5	657.7	653.3	643.9	17.5°
20°	694.5	706.6	710.0	726.5	734.2	738.0	738.6	738.6	731.4	712.2	704.4	20°
22.5°	741.3	759.5	779.3	789.8	805.7	807.9	816.2	811.2	805.7	790.9	773.2	22.5°
25°	816.7	827.2	844.8	871.2	878.9	894.9	891.6	898.7	886.6	860.7	850.3	25°
27.5°	900.9	919.1	943.9	968.6	979.6	997.2	986.2	997.2	977.4	970.3	945.0	27.5°
30°	992.8	1017.6	1061.6	1092.4	1115.0	1127.1	1120.0	1113.9	1108.4	1095.2	1093.5	30°
32.5°	1105.7	1135.4	1177.2	1217.4	1257.0	1298.3	1308.2	1317.0	1337.4	1297.2	1258.1	32.5°
35°	1244.9	1267.5	1314.2	1360.5	1414.9	1466.7	1552.0	1573.5	1545.9	1498.1	1435.3	35°
37.5°	1380.8	1432.0	1478.8	1533.8	1574.6	1634.0	1672.0	1714.3	1691.2	1646.6	1574.6	37.5°
40°	1547.6	1616.9	1680.8	1748.5	1794.7	1840.9	1912.5	1958.7	1954.3	1898.7	1801.3	40°
42.5°	1700.6	1810.7	1916.3	1967.0	2028.6	2112.2	2165.1	2238.8	2243.8	2179.4	2055.6	42.5°
45°	1860.7	1989.0	2117.7	2217.4	2269.6	2373.1	2494.2	2574.5	2599.3	2476.6	2350.0	45°
47.5°	1986.2	2186.0	2358.8	2465.0	2562.4	2669.2	2824.9	2941.1	2931.2	2765.5	2598.2	47.5°
50°	2096.3	2350.5	2559.7	2734.7	2851.4	2974.6	3179.9	3318.6	3270.2	3059.4	2850.3	50°
52.5°	2195.9	2494.2	2752.9	2969.7	3105.6	3281.7	3541.0	3662.0	3524.4	3320.8	3062.1	52.5°
55°	2287.3	2624.1	2924.6	3185.4	3395.1	3622.4	3865.7	3948.8	3752.8	3501.3	3263.6	55°
57.5°	2371.5	2744.6	3082.5	3395.7	3676.9	3948.2	4160.1	4165.6	3919.6	3640.6	3413.8	57.5°
60°	2472.7	2855.2	3247.6	3613.6	3956.5	4238.2	4362.1	4323.0	4026.9	3744.6	3517.3	60°
62.5°	2570.7	2954.8	3382.5	3823.3	4236.6	4482.6	4507.4	4424.8	4100.7	3793.0	3594.9	62.5°
65°	2619.1	3030.8	3457.8	3956.5	4455.6	4628.4	4598.2	4468.8	4130.4	3800.2	3614.7	65°
67.5°	2548.1	2959.8	3385.8	3898.7	4454.5	4619.1	4540.9	4384.6	4058.3	3702.8	3522.8	67.5°
70°	2286.7	2685.7	3033.0	3515.6	4140.8	4303.2	4186.0	4031.3	3758.3	3410.5	3328.5	70°
72.5°	1924.0	2220.1	2510.7	2867.3	3296.0	3438.0	3283.4	3360.4	3290.0	2953.2	2878.3	72.5°
75°	1444.1	1720.9	1834.3	1943.8	2239.9	2324.7	2265.2	2529.4	2601.5	2461.2	2270.2	75°
77.5°	945.0	1235.5	1256.4	1258.7	1379.7	1542.1	1757.3	2031.9	2168.4	2105.1	1873.4	77.5°
80°	550.9	870.7	778.7	749.0	856.3	1037.4	1321.4	1665.4	1845.9	1859.1	1637.8	80°
82.5°	276.8	545.9	472.8	467.8	528.3	662.1	869.6	1061.6	1296.6	1307.6	1336.8	82.5°
85°	215.2	375.3	384.1	416.6	459.0	514.6	530.0	564.1	695.1	816.2	847.5	85°
87.5°	111.7	276.3	325.8	379.2	374.2	306.5	258.7	279.0	324.7	342.3	444.7	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: P141595

NUMBER: EMM-F02-LED-E1-SLR

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
561.4	561.4	561.4	561.4	561.4	561.4	561.4
560.8	561.9	561.4	561.9	562.5	562.5	561.9
560.3	559.7	557.5	556.4	556.4	555.3	554.8
557.0	553.1	547.6	544.3	542.1	540.4	537.7
557.5	550.9	543.7	538.8	533.8	530.5	527.2
564.7	556.4	549.8	542.1	538.2	533.8	530.0
589.4	578.4	570.7	563.6	559.2	555.9	552.6
629.0	615.8	603.2	596.6	588.9	583.4	582.8
682.4	663.2	646.7	631.8	624.6	615.8	614.2
743.0	714.9	697.3	680.8	670.9	660.4	661.0
820.0	792.0	763.3	746.3	732.0	733.6	732.0
912.5	890.5	857.4	836.5	832.1	815.1	802.4
1056.7	1023.7	983.5	946.1	922.4	894.3	867.9
1198.1	1137.0	1083.6	1047.3	1017.0	975.8	934.5
1337.9	1267.5	1217.9	1187.1	1140.3	1082.5	1018.1
1504.1	1457.9	1422.7	1347.3	1280.7	1192.1	1094.6
1744.1	1685.7	1601.5	1505.8	1409.4	1284.0	1150.8
1982.9	1912.5	1794.7	1653.8	1515.7	1364.3	1194.8
2242.1	2106.2	1952.6	1782.0	1612.0	1424.3	1225.1
2446.3	2276.8	2085.3	1880.5	1688.5	1473.8	1251.5
2654.9	2450.2	2209.7	1979.1	1757.8	1514.0	1277.9
2818.9	2590.5	2336.8	2068.8	1822.2	1559.1	1314.2
2982.9	2730.3	2450.7	2158.5	1902.0	1621.9	1368.7
3119.4	2856.9	2560.8	2256.4	1994.5	1705.5	1457.9
3299.3	3034.6	2690.1	2372.6	2099.0	1819.5	1570.7
3470.5	3243.2	2870.1	2509.0	2226.7	1948.2	1698.9
3583.3	3478.8	3054.4	2646.1	2346.7	2068.8	1811.8
3585.5	3628.5	3248.7	2757.3	2459.0	2199.7	1904.2
3499.1	3649.4	3290.0	2767.2	2512.3	2258.1	1952.6
3200.3	3391.8	3042.9	2571.8	2413.3	2212.4	1899.3
2475.5	2614.2	2433.6	2179.9	2185.4	2068.2	1690.1
1713.8	1844.8	1692.9	1638.9	1759.5	1694.0	1262.0
1298.3	1129.3	1069.9	1098.5	1248.7	1241.6	793.6
1156.3	854.7	708.9	744.1	881.7	805.2	441.9
948.3	852.5	712.7	644.5	672.0	549.8	302.1
545.9	623.5	508.0	478.8	416.6	247.7	122.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)