

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: P173317

Luminaire Tested: **ENC-EXX-LED-E1-SLR-7030-ULG-CWB**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P173317
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENC-EXX-LED-E1-SLR-7030-ULG-CWB
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE
LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1542 lumens
Efficiency: N/A
Efficacy: 280.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U3 - G1

Input Watts (W): 5.5
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

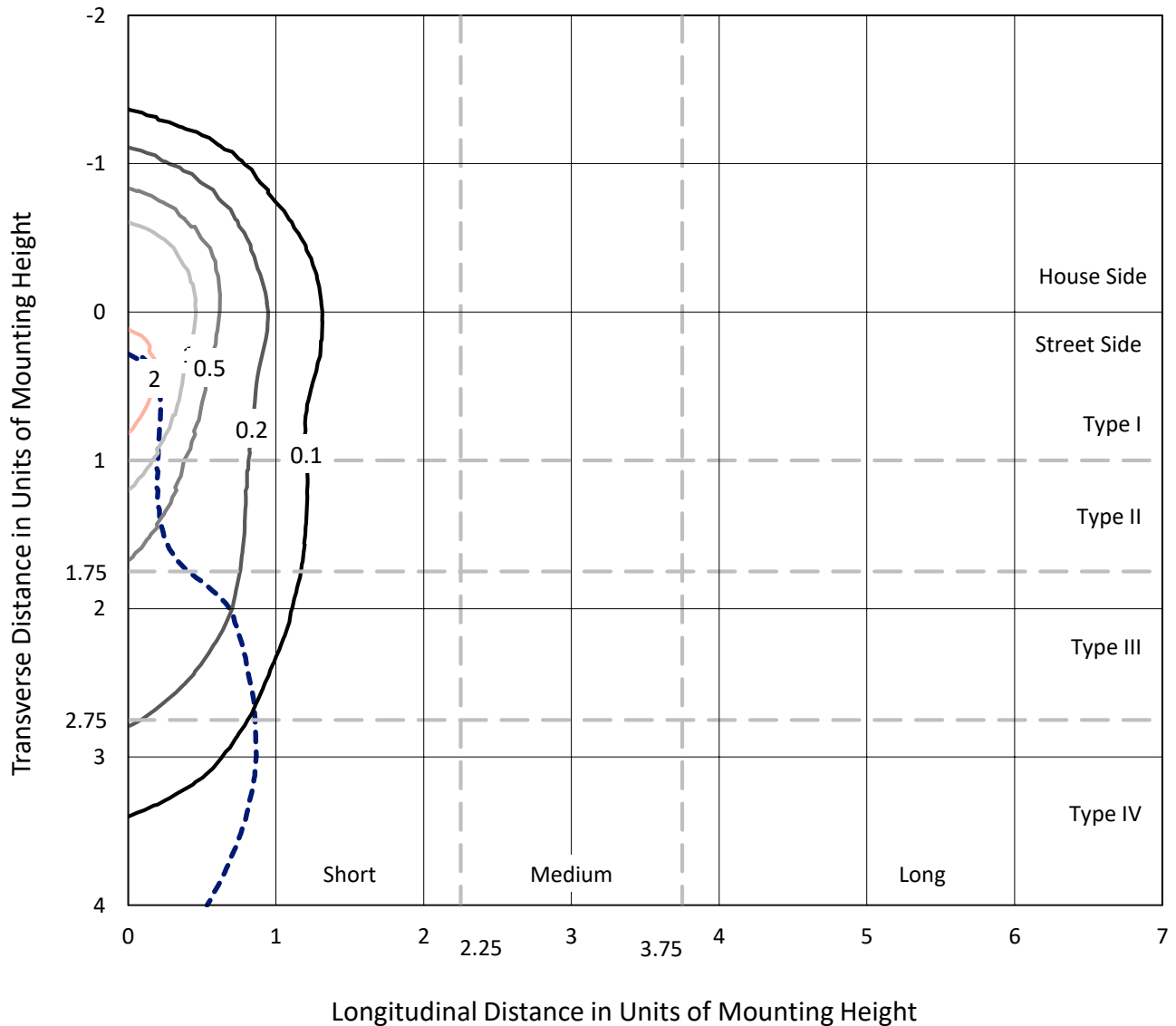


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

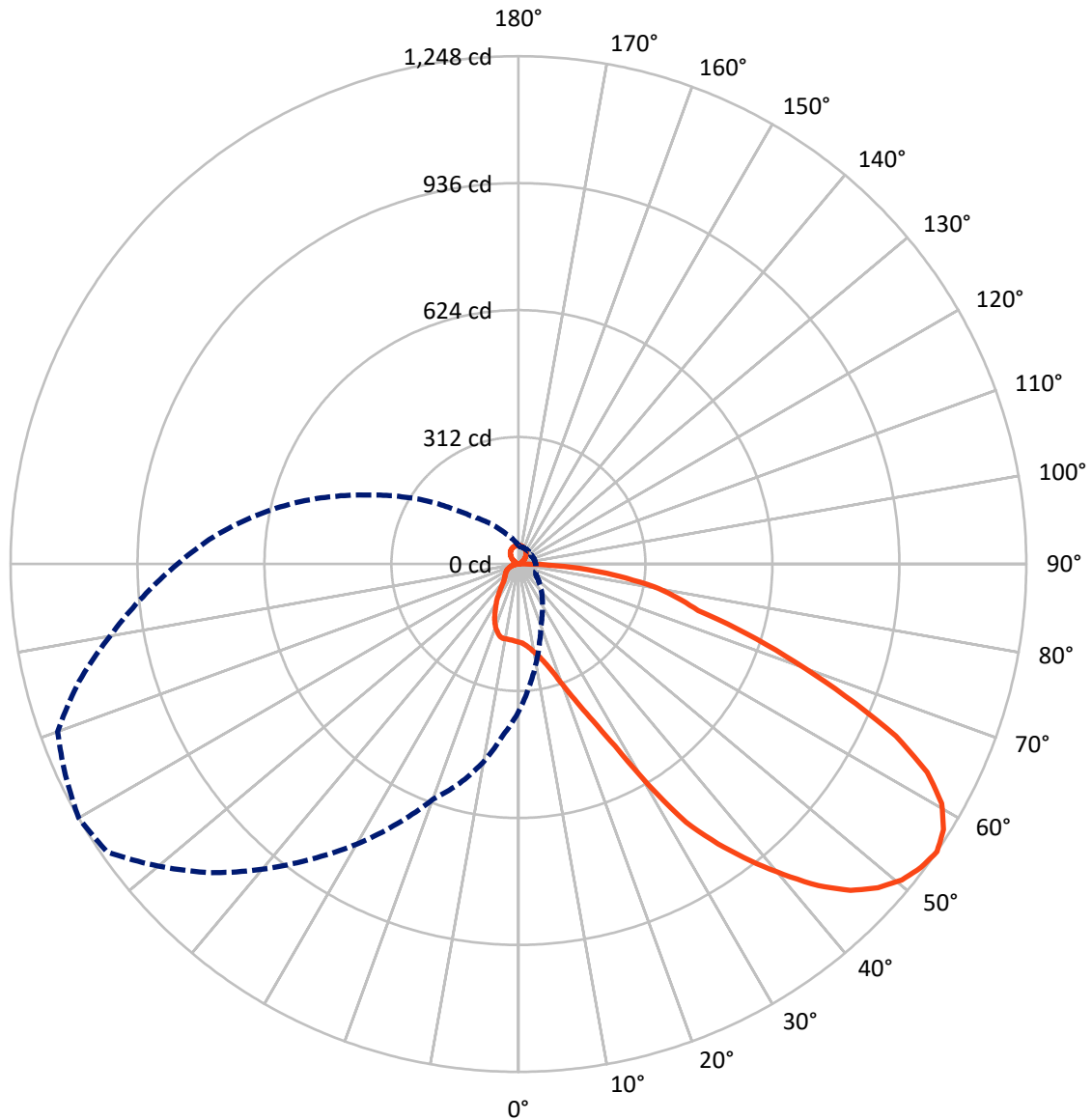


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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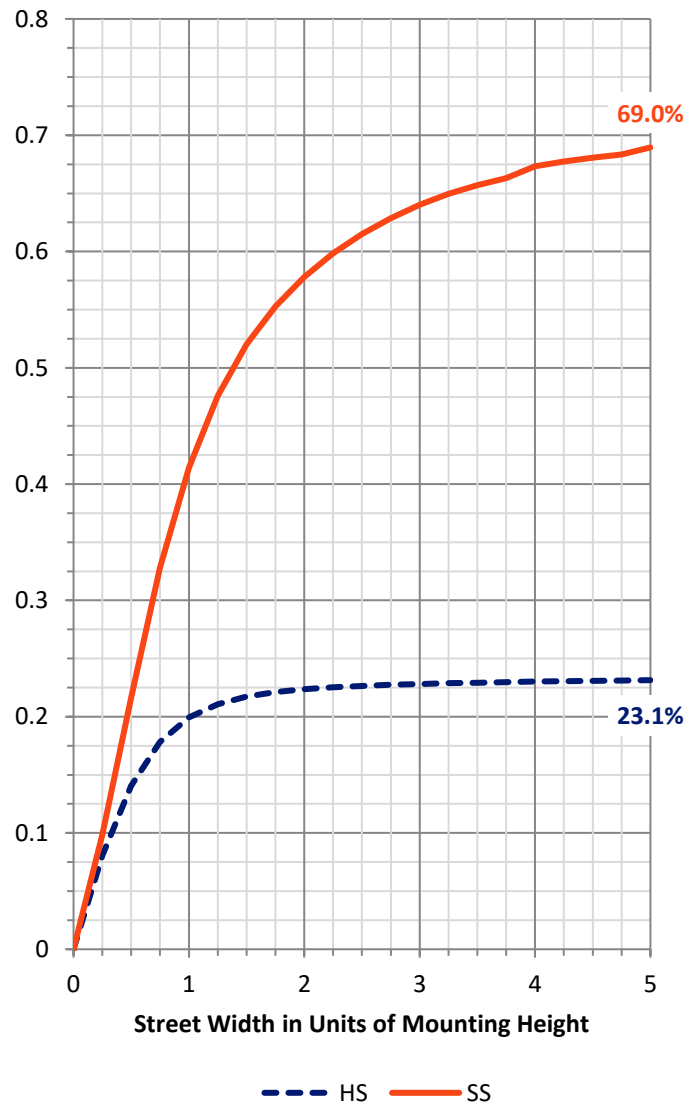
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	359.9	51.1	411.0
	% Fixture	23.3	3.3	26.7
Street Side	Lumens	1080.0	51.1	1131.0
	% Fixture	70.0	3.3	73.3
Total	Lumens	1439.9	102.1	1542.0
	% Fixture	93.4	6.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	1.2
10°-20°	62.1	4.0
20°-30°	120.6	7.8
30°-40°	189.5	12.3
40°-50°	253.3	16.4
50°-60°	297.2	19.3
60°-70°	282.0	18.3
70°-80°	170.2	11.0
80°-90°	46.1	3.0
90°-100°	0.4	0.0
100°-110°	4.0	0.3
110°-120°	8.2	0.5
120°-130°	13.9	0.9
130°-140°	19.4	1.3
140°-150°	21.2	1.4
150°-160°	18.4	1.2
160°-170°	12.4	0.8
170°-180°	4.3	0.3
0°-90°	1439.9	93.4
0°-180°	1542.0	100.0



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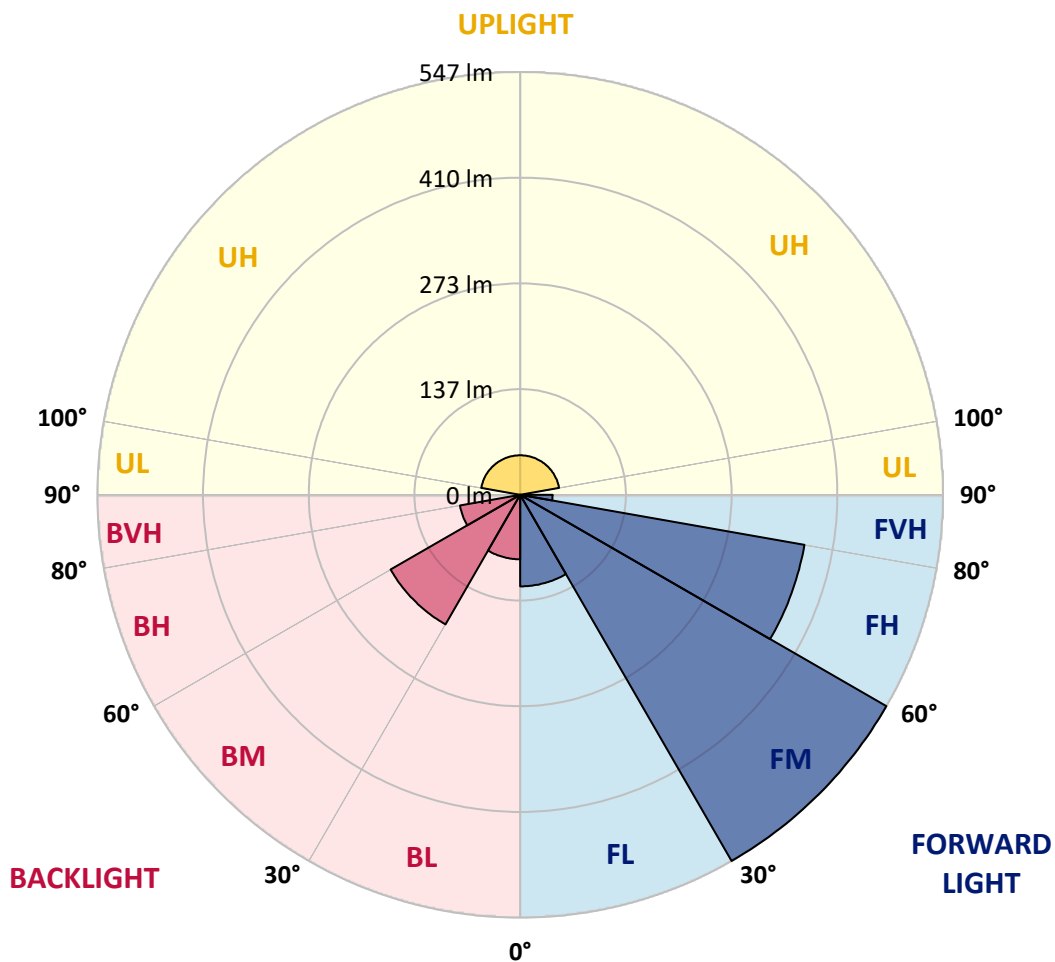
CATALOG NUMBER: ENC-EXX-LED-E1-SLR-7030-ULG-CWB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.3	7.7			
FM	(30°-60°)	546.6	35.4			
FH	(60°-80°)	373.1	24.2			G0/660
FVH	(80°-90°)	41.9	2.7			G1/100
BL	(0°-30°)	83.3	5.4	B0/110		
BM	(30°-60°)	193.4	12.5	B0/220		
BH	(60°-80°)	79.0	5.1	B0/110		G0/110
BVH	(80°-90°)	4.2	0.3			G0/10
UL	(90°-100°)	0.4	0.0		U1/10	
UH	(100°-180°)	51.1	3.3		U3/500	

BUG Rating: B0-U3-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	196.1	197.5	195.7	196.1	195.5	194.9	195.2	194.9	194.3	194.3	193.7
5°	200.8	201.1	199.9	199.6	199.0	198.1	198.4	197.5	196.9	196.4	195.2
7.5°	206.4	206.1	204.6	203.7	203.5	202.0	201.7	200.5	199.6	198.7	197.2
10°	215.0	212.6	210.8	209.4	208.8	207.0	205.5	204.9	203.5	201.4	200.2
12.5°	227.4	225.9	222.4	219.4	217.6	215.3	213.2	211.7	209.4	206.4	204.9
15°	249.6	244.9	240.7	236.3	232.7	228.9	223.8	220.0	215.9	210.8	207.0
17.5°	278.3	272.3	265.8	258.8	251.3	243.1	233.3	225.9	217.6	209.1	203.2
20°	313.5	302.5	293.3	279.7	266.1	253.1	237.7	224.7	212.9	201.7	193.1
22.5°	353.1	336.5	317.9	297.2	275.3	255.2	233.6	215.9	198.7	184.8	175.1
25°	398.3	372.3	343.9	312.6	281.2	251.3	224.7	202.5	184.2	167.7	156.7
27.5°	426.1	390.6	356.6	319.4	283.6	249.0	216.5	190.7	169.7	152.0	139.3
30°	432.0	396.3	356.3	315.8	278.9	241.0	205.5	176.8	153.5	134.8	122.1
32.5°	436.2	394.8	350.4	305.5	265.3	225.3	189.2	160.9	136.0	117.7	102.9
35°	437.3	389.2	339.2	289.2	246.9	206.1	170.0	140.2	118.6	100.5	87.2
37.5°	435.6	380.0	324.1	272.3	227.1	184.5	149.0	123.0	104.7	87.2	75.4
40°	428.5	368.4	310.5	256.1	207.0	162.9	131.3	108.8	93.1	79.8	70.7
42.5°	419.3	355.1	295.4	237.2	187.5	145.8	117.1	99.1	85.8	76.3	68.6
45°	407.8	341.2	279.7	220.3	170.9	132.8	108.8	93.7	83.4	75.1	68.0
47.5°	393.6	326.4	264.6	207.6	159.7	126.3	107.0	93.7	83.4	74.5	66.8
50°	380.3	313.1	253.1	199.6	154.7	126.6	108.8	94.9	83.1	73.3	64.8
52.5°	369.9	305.2	248.4	196.7	155.2	129.5	112.4	96.7	84.0	73.3	64.2
55°	363.4	301.9	247.8	199.3	161.5	137.5	118.0	102.0	88.1	75.7	65.0
57.5°	364.3	305.5	254.9	210.3	175.6	151.4	129.2	111.5	94.0	78.7	65.4
60°	373.5	317.3	272.1	236.0	199.3	170.0	143.4	119.8	96.7	77.8	63.3
62.5°	396.5	345.1	308.1	271.2	228.6	188.4	152.0	121.2	93.7	73.3	58.2
65°	440.3	395.1	359.6	313.5	252.8	196.1	151.1	116.8	88.1	66.2	51.4
67.5°	483.2	435.3	385.3	315.8	246.9	190.4	141.4	105.9	78.1	56.8	45.6
70°	524.6	462.5	398.3	312.9	229.8	163.8	118.0	88.4	62.1	47.3	39.0
72.5°	497.4	425.8	360.2	275.9	197.5	134.6	94.0	64.2	47.6	39.0	33.7
75°	379.7	330.0	272.9	211.7	145.8	94.9	62.7	45.6	36.7	30.8	27.5
77.5°	273.2	236.3	189.6	139.0	91.1	60.0	42.6	32.5	27.2	23.1	21.3
80°	158.5	136.0	106.2	76.6	52.0	37.6	28.4	23.1	19.8	16.9	16.3
82.5°	99.1	79.3	56.2	37.8	26.6	20.7	16.5	14.2	11.8	10.4	8.9
85°	42.9	30.8	17.5	9.7	7.4	5.6	4.4	3.9	3.2	2.9	2.4
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
100°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
102.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
107.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
110°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
115°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
117.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
120°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
122.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
125°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
127.5°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
130°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
132.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
135°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
137.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
140°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
142.5°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
145°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
147.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
150°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
152.5°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
155°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
157.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
160°	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
162.5°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
165°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
167.5°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
170°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
172.5°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
175°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
177.5°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
180°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	193.7	193.1	192.8	192.8	192.2	192.2	191.6	191.9	191.6	191.0	190.7
5°	194.9	194.0	193.4	192.8	191.9	191.6	191.0	191.0	190.1	189.2	188.9
7.5°	196.4	195.2	194.3	193.1	191.9	191.3	190.1	189.6	188.7	187.8	187.5
10°	199.3	197.2	195.7	194.3	192.2	191.0	189.2	188.4	187.5	186.3	185.7
12.5°	202.5	199.9	197.8	194.3	192.2	190.1	188.4	186.6	184.8	183.6	183.3
15°	202.5	199.3	194.9	191.6	188.7	185.7	183.9	182.1	180.1	179.2	178.9
17.5°	197.5	191.9	187.8	184.2	181.6	179.2	177.4	176.5	174.8	173.0	172.4
20°	186.0	179.5	174.8	170.9	168.0	165.6	165.0	164.1	163.2	163.2	163.5
22.5°	167.1	160.0	155.8	151.7	148.4	147.2	147.6	148.4	148.7	148.4	150.5
25°	148.2	141.4	135.7	131.9	128.0	128.9	127.8	129.8	130.7	131.0	133.4
27.5°	129.8	122.4	116.5	113.3	111.5	110.3	109.4	112.1	112.7	114.7	116.8
30°	110.3	103.5	96.7	94.0	92.6	91.7	92.0	94.3	95.8	98.8	100.5
32.5°	92.3	84.0	79.0	75.4	73.9	73.6	73.9	75.7	77.5	81.3	84.0
35°	76.9	68.9	64.8	62.7	60.6	59.7	60.6	61.2	61.8	65.0	68.3
37.5°	68.0	62.4	59.2	57.1	55.6	54.7	54.7	54.4	54.7	55.3	56.8
40°	64.2	60.0	57.1	55.0	53.8	53.2	52.9	52.6	52.4	52.4	52.4
42.5°	62.7	58.0	55.0	53.2	52.6	52.6	52.6	52.4	51.7	51.2	50.9
45°	61.5	56.5	53.2	51.7	51.7	51.7	52.0	51.7	51.2	50.3	49.4
47.5°	59.4	54.4	51.4	50.3	50.3	50.3	50.6	50.3	49.7	49.1	48.2
50°	57.1	51.7	48.8	47.9	47.6	47.6	47.3	47.0	46.7	46.1	45.2
52.5°	55.6	50.0	47.3	46.7	46.1	45.8	45.2	44.9	44.4	44.1	43.2
55°	55.3	48.8	46.4	45.8	45.2	44.4	43.2	42.6	41.4	41.1	40.5
57.5°	54.4	47.6	44.9	43.5	42.0	41.1	39.9	39.3	38.7	38.1	37.6
60°	51.4	44.1	40.8	39.9	39.0	38.7	38.1	37.6	36.7	35.8	34.6
62.5°	45.8	39.6	37.6	37.3	37.0	36.4	35.8	34.9	34.3	33.1	31.9
65°	41.4	37.3	36.1	35.5	35.2	34.3	33.7	33.1	32.2	31.3	30.2
67.5°	37.6	34.6	34.0	33.1	32.8	32.2	31.3	30.8	29.9	29.0	27.8
70°	34.0	31.6	31.3	30.8	30.2	29.9	28.7	27.8	27.5	26.3	25.4
72.5°	30.2	28.7	28.1	27.5	26.9	26.6	26.0	25.4	24.8	23.7	22.5
75°	25.1	24.5	24.2	23.7	23.4	22.8	21.9	21.0	20.7	19.8	18.9
77.5°	20.1	19.5	19.5	18.9	18.0	17.2	16.3	15.1	15.1	15.1	14.5
80°	14.2	13.6	12.7	12.4	11.8	11.2	10.4	9.7	9.2	9.2	9.2
82.5°	8.3	8.0	7.4	6.5	5.9	5.6	4.7	4.1	3.9	3.2	3.2
85°	1.8	1.8	1.2	1.2	0.9	0.9	0.9	0.6	0.6	0.3	0.3
87.5°	1.5	1.5	1.5	1.2	1.2	1.2	0.9	0.9	0.9	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
100°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
102.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
107.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
110°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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CATALOG NUMBER: ENC-EXX-LED-E1-SLR-7030-ULG-CWB

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
115°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
117.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
120°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
122.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
125°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
127.5°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
130°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
132.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
135°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
137.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
140°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
142.5°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
145°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
147.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
150°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
152.5°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
155°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
157.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
160°	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
162.5°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
165°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
167.5°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
170°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
172.5°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
175°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
177.5°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
180°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6



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CATALOG NUMBER: ENC-EXX-LED-E1-SLR-7030-ULG-CWB

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	190.7	190.4	189.9	188.7	188.4	188.1	188.4	188.4	188.1	188.4	188.7
5°	188.9	188.7	187.8	187.2	186.6	186.6	188.4	188.4	187.5	187.8	188.9
7.5°	187.5	187.5	186.9	186.6	186.9	187.8	189.2	190.4	190.1	191.9	192.5
10°	185.7	186.0	186.3	187.5	189.2	190.7	193.1	195.2	195.7	197.2	198.1
12.5°	183.9	185.1	186.6	188.9	191.3	193.7	196.4	198.7	199.0	200.5	201.7
15°	179.5	181.3	183.3	186.0	189.6	192.2	196.1	197.8	198.4	199.3	200.8
17.5°	172.7	173.6	175.1	178.0	181.9	185.4	189.9	192.8	194.6	195.7	196.4
20°	163.5	165.3	166.2	168.8	170.9	173.6	179.5	183.3	186.9	188.7	190.4
22.5°	150.8	152.9	155.0	157.6	158.8	160.6	166.2	172.1	177.4	181.0	183.1
25°	134.8	137.2	140.2	143.4	144.9	146.7	153.2	159.1	165.6	171.8	174.8
27.5°	118.9	121.8	124.8	128.6	131.0	133.1	138.7	144.3	151.1	157.0	160.0
30°	103.5	107.7	110.3	114.7	116.8	118.9	123.9	130.1	134.8	141.6	145.5
32.5°	87.5	90.5	95.5	100.5	102.9	105.0	109.7	115.0	119.2	126.0	131.6
35°	73.0	75.7	81.0	86.1	87.5	90.8	95.5	100.2	104.1	110.3	115.6
37.5°	59.4	63.9	68.0	71.8	75.1	77.5	81.9	86.1	88.1	94.0	99.7
40°	52.9	55.0	58.0	61.5	63.6	66.0	69.2	72.7	75.1	79.3	84.0
42.5°	50.6	50.6	51.4	53.2	55.9	57.1	60.0	61.8	65.0	66.8	71.0
45°	48.8	48.2	48.5	48.5	49.4	50.3	52.6	54.4	56.5	58.0	60.6
47.5°	47.3	46.1	45.8	45.2	44.9	45.6	47.3	48.8	49.7	50.9	51.7
50°	44.1	43.2	42.3	41.7	41.4	42.0	43.5	44.6	44.9	45.6	46.1
52.5°	42.3	41.1	40.2	39.3	39.3	39.9	41.1	42.0	42.3	42.6	43.2
55°	39.9	39.3	38.7	37.8	37.6	38.4	39.3	40.2	40.8	40.8	41.4
57.5°	37.0	36.4	37.0	36.7	36.4	37.0	38.1	39.0	39.3	39.3	39.6
60°	34.0	33.7	33.7	34.3	34.9	35.8	36.7	37.8	37.6	37.0	37.3
62.5°	31.3	31.0	31.3	32.2	33.1	34.0	35.2	36.1	35.2	34.6	34.6
65°	29.6	29.3	29.6	29.9	30.2	31.0	32.5	32.8	32.2	32.2	32.2
67.5°	27.2	26.9	26.6	26.9	27.2	27.5	28.7	29.0	29.0	29.0	29.0
70°	24.2	24.0	23.7	23.7	23.7	24.0	24.2	24.8	25.4	26.0	26.3
72.5°	21.0	20.4	20.4	20.4	19.8	20.1	20.4	21.6	22.2	22.8	23.4
75°	17.7	17.2	17.2	16.5	16.9	17.2	17.2	17.7	18.3	19.2	19.8
77.5°	13.9	13.9	13.9	13.6	13.6	13.9	14.2	14.2	14.8	15.7	16.5
80°	8.9	8.9	9.5	9.7	10.1	10.4	10.9	11.2	11.5	12.4	12.7
82.5°	3.2	3.6	3.9	3.9	4.7	5.9	6.2	7.1	7.7	8.6	8.6
85°	0.3	0.3	0.3	0.3	0.3	0.6	0.9	1.2	1.8	2.7	3.2
87.5°	0.6	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
100°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
102.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
107.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
110°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
112.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0°
115°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	2.5°
117.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	5°
120°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	7.5°
122.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10°
125°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.5°
127.5°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	15°
130°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.5°
132.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	20°
135°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	22.5°
137.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	25°
140°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	27.5°
142.5°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	30°
145°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	32.5°
147.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35°
150°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.5°
152.5°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	40°
155°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	42.5°
157.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	45°
160°	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	47.5°
162.5°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	50°
165°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	52.5°
167.5°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	55°
170°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	57.5°
172.5°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	60°
175°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	62.5°
177.5°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	65°
180°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°



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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°	165°	
191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	112.5°	6.9
188.9	189.9	189.6	189.2	189.6	190.1	189.9	190.1	190.4	191.0	190.7	115°	8.1
189.2	190.1	190.4	190.4	191.0	191.9	191.9	192.2	192.5	193.1	193.1	117.5°	9.6
193.4	195.5	195.5	195.7	196.7	197.5	197.8	198.1	197.8	197.8	197.8	120°	11.3
199.6	202.0	202.3	203.7	204.9	204.6	204.6	204.9	204.3	203.7	202.9	122.5°	13.2
202.9	204.9	205.5	207.0	208.8	209.1	210.0	210.5	210.0	208.5	207.0	125°	15.5
202.0	203.7	204.9	206.7	208.8	210.0	211.7	212.3	212.0	210.3	208.5	127.5°	17.9
198.1	200.2	201.7	204.0	206.4	208.2	210.0	210.8	210.8	209.4	208.2	130°	20.4
191.9	194.3	196.4	199.0	202.0	204.0	206.1	206.7	206.7	206.1	207.0	132.5°	22.8
185.4	188.1	190.4	193.1	196.9	199.0	201.4	203.2	204.0	205.2	209.1	135°	25.2
177.1	178.3	181.3	184.2	189.6	193.1	198.1	202.9	207.6	212.9	220.6	137.5°	27.6
162.6	164.7	168.3	172.4	177.7	184.2	193.4	202.5	211.1	219.1	228.6	140°	29.9
150.5	154.4	158.2	162.9	168.6	174.8	185.4	197.2	207.6	217.1	227.4	142.5°	32.1
137.5	142.2	147.2	153.5	158.8	164.4	173.3	186.3	198.7	209.4	220.3	145°	34.0
122.4	127.5	132.5	139.0	144.6	151.7	159.7	172.4	186.6	198.7	211.7	147.5°	35.6
106.2	110.6	116.2	122.1	128.6	136.9	145.5	157.3	172.1	185.1	199.9	150°	37.3
90.8	95.5	101.1	107.7	114.2	123.0	132.8	144.0	157.6	171.5	187.2	152.5°	38.8
76.3	82.5	88.4	94.9	101.7	110.0	120.3	132.5	146.1	160.9	177.4	155°	40.0
64.2	68.9	75.1	80.4	87.8	95.8	106.5	120.1	135.7	151.4	168.8	157.5°	41.1
53.5	56.5	61.8	68.3	75.1	83.4	92.3	105.9	121.8	139.0	158.5	160°	42.2
47.0	48.5	52.4	58.2	64.8	73.0	80.7	92.6	108.5	125.4	145.5	162.5°	43.2
43.8	44.4	46.4	50.9	57.1	64.5	72.7	82.8	97.0	113.5	132.8	165°	44.0
42.0	42.3	42.9	46.1	51.4	58.2	66.5	74.5	87.2	102.9	121.5	167.5°	44.4
39.9	40.2	40.5	42.3	46.1	52.0	59.2	65.7	77.2	91.1	108.8	170°	44.5
37.8	38.4	39.0	39.6	42.3	46.1	51.4	57.1	65.0	77.2	91.7	172.5°	44.9
35.2	35.8	36.7	37.3	38.1	40.5	43.8	47.3	51.4	60.0	71.8	175°	45.5
32.8	33.4	33.7	34.0	34.6	35.2	36.4	37.3	39.3	44.4	52.6	177.5°	45.7
29.6	30.2	30.2	30.5	30.8	30.8	31.3	31.6	32.2	33.7	37.3	180°	45.6
26.9	27.2	27.5	27.8	27.8	27.8	27.5	27.8	27.5	27.5	29.0		
23.7	24.0	24.2	24.5	24.8	25.1	25.4	25.4	25.1	24.5	24.5		
20.1	20.1	20.7	21.0	21.3	22.2	22.8	22.2	22.2	21.9	21.9		
16.9	17.5	17.7	17.7	18.3	19.2	19.8	19.5	18.6	18.6	18.9		
13.0	13.3	13.6	13.9	14.2	15.1	16.0	16.3	15.7	16.0	16.0		
8.6	8.9	9.5	9.7	10.1	10.9	11.8	12.7	12.4	13.0	12.4		
3.9	4.4	4.7	4.7	5.6	6.5	7.7	8.6	9.7	10.1	9.2		
0.0	0.3	0.3	0.3	1.2	2.1	3.9	5.9	8.0	6.2	4.7		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8		
3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8		
4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		
5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8		

'173317
 ENC-EXX-LED-E1-SLR-7030-ULG-CWB

REPORT NUMBER: P173317
 CATALOG NUMBER: ENC-EXX-I

TION (continued):

CANDELA DISTRIBUTION (con

170°	175°	180°	185°	190°	195°	200°	205°	210°	215°		220°	225°
6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0°	191.9	191.9
8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	2.5°	190.7	191.0
9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	5°	193.4	193.4
11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	7.5°	197.2	197.2
13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10°	202.3	201.4
15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.5°	205.2	203.7
17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	15°	207.0	205.5
20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.5°	207.6	207.6
22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	20°	209.1	211.4
25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	22.5°	214.1	220.0
27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	25°	228.9	237.2
29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	27.5°	240.4	251.3
32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	30°	241.3	254.9
34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	32.5°	236.0	250.8
35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35°	228.0	244.9
37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.5°	218.2	237.2
38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	40°	207.0	226.5
40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	42.5°	196.7	216.8
41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	45°	189.2	210.5
42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	47.5°	181.3	204.0
43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	50°	168.6	195.5
44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	52.5°	155.0	181.9
44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	55°	142.5	168.3
44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	57.5°	129.2	155.2
44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	60°	111.8	137.8
45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	62.5°	89.3	113.8
45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	65°	64.2	84.9
45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	67.5°	43.5	57.7
										70°	31.6	39.3
										72.5°	25.7	29.6
										75°	22.8	24.8
										77.5°	20.1	21.3
										80°	16.0	17.2
										82.5°	12.4	13.6
										85°	9.2	10.1
										87.5°	4.1	4.1
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	0.2	0.2
										97.5°	0.5	0.5
										100°	1.6	1.6
										102.5°	2.8	2.8
										105°	3.8	3.8
										107.5°	4.8	4.8
										110°	5.8	5.8

REPORT NUMBER: P173317

CATALOG NUMBER: ENC-EXX-LED-E1-SLI

LED-E1-SLR-7030-ULG-CWB

<u>tinued):</u>										<u>CANDELA DISTRIBUTION (continued):</u>		
230°	235°	240°	245°	250°	255°	260°	265°	270°		220°	225°	230°
191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	112.5°	6.9	6.9	6.9
191.3	191.6	191.6	192.2	192.5	193.1	193.4	193.4	193.4	115°	8.1	8.1	8.1
194.0	194.3	194.6	195.5	195.7	196.7	197.5	197.8	198.7	117.5°	9.6	9.6	9.6
197.2	198.1	198.4	199.0	199.6	201.1	202.3	202.9	203.7	120°	11.3	11.3	11.3
201.1	201.4	201.4	202.0	203.5	204.3	205.8	208.5	210.3	122.5°	13.2	13.2	13.2
203.7	202.9	203.5	204.0	205.5	207.6	210.0	213.8	217.3	125°	15.5	15.5	15.5
205.5	205.5	207.0	208.2	210.8	214.1	218.5	223.8	229.2	127.5°	17.9	17.9	17.9
208.8	209.7	212.9	215.3	220.0	224.7	230.4	237.7	245.7	130°	20.4	20.4	20.4
214.7	217.1	220.6	224.4	229.2	236.3	245.7	255.2	265.8	132.5°	22.8	22.8	22.8
224.1	229.5	235.4	240.1	245.7	255.8	266.1	277.9	291.3	135°	25.2	25.2	25.2
244.9	250.8	259.6	267.6	275.6	290.1	303.4	317.0	335.0	137.5°	27.6	27.6	27.6
262.9	272.3	286.2	297.8	308.7	326.2	341.0	363.4	382.7	140°	29.9	29.9	29.9
270.6	285.9	303.4	319.9	340.4	357.5	379.4	406.3	431.4	142.5°	32.1	32.1	32.1
268.8	287.4	309.3	331.8	356.0	383.5	408.7	438.8	471.7	145°	34.0	34.0	34.0
264.6	285.7	311.1	338.0	367.0	401.3	432.9	470.5	511.3	147.5°	35.6	35.6	35.6
259.6	284.2	312.6	344.2	380.6	421.4	462.2	511.3	562.1	150°	37.3	37.3	37.3
252.0	280.0	314.3	353.7	398.3	446.2	499.8	558.3	613.0	152.5°	38.8	38.8	38.8
243.4	275.0	316.4	366.7	422.9	482.3	544.1	603.8	666.2	155°	40.0	40.0	40.0
237.7	273.5	321.7	381.7	447.1	516.0	584.9	650.3	718.3	157.5°	41.1	41.1	41.1
234.5	274.4	327.4	393.0	465.1	541.1	614.2	689.3	760.5	160°	42.2	42.2	42.2
231.6	276.8	332.4	400.1	476.7	557.4	637.3	718.3	797.2	162.5°	43.2	43.2	43.2
223.8	275.9	334.2	402.2	482.6	568.0	653.2	738.7	822.6	165°	44.0	44.0	44.0
210.5	267.6	330.3	400.1	484.4	574.3	663.6	753.8	837.2	167.5°	44.4	44.4	44.4
192.8	250.8	316.7	391.2	478.2	571.3	667.1	763.5	845.4	170°	44.5	44.5	44.5
173.0	224.4	292.7	370.8	458.1	553.3	651.4	754.4	836.0	172.5°	44.9	44.9	44.9
145.8	191.6	260.2	336.2	421.4	516.0	605.0	717.4	800.5	175°	45.5	45.5	45.5
111.5	152.3	211.4	288.9	375.6	458.4	539.1	651.4	743.7	177.5°	45.7	45.7	45.7
76.9	108.5	158.2	225.9	307.0	383.2	463.7	568.7	676.3	180°	45.6	45.6	45.6
50.0	70.4	104.7	156.7	220.9	291.3	358.1	454.2	569.5				
35.5	44.9	63.9	96.7	145.5	199.9	254.6	319.7	429.7				
28.1	32.8	39.3	56.2	85.1	124.5	168.6	209.7	301.6				
22.8	24.8	28.1	34.6	50.3	71.8	99.4	132.2	187.5				
18.3	19.8	21.9	24.5	31.0	41.4	57.7	72.7	107.0				
14.8	16.5	17.2	17.5	20.1	23.7	30.5	41.1	61.2				
10.7	11.2	11.2	11.5	12.1	13.0	17.5	30.2	44.6				
4.1	3.6	3.9	2.9	3.2	3.6	5.6	6.5	10.4				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6				
2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8				
3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8				
4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8				
5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8				



REPORT NUMBER: P173317

CATALOG NUMBER: ENC-EXX-LED-E1-SLR-7030-UL

3-7030-ULG-CWB

CANDELA DISTRIBUTION (continued):

235°	240°	245°	250°	255°	260°	265°	270°		275°	280°	285°	290°
6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0°	191.9	191.9	191.9	191.9
8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	2.5°	194.3	194.3	194.0	194.0
9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	5°	199.3	200.2	199.6	200.5
11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	7.5°	205.8	206.4	207.0	208.2
13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10°	212.6	214.7	216.8	217.6
15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.5°	220.6	224.4	228.6	230.6
17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	15°	234.5	240.4	245.2	248.4
20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.5°	252.8	260.8	268.8	274.4
22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	20°	276.2	287.7	299.0	306.1
25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	22.5°	305.8	319.4	331.8	345.4
27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	25°	346.6	365.5	387.4	399.2
29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	27.5°	404.8	430.5	445.9	472.2
32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	30°	460.4	492.1	529.3	565.7
34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	32.5°	507.4	553.9	608.6	663.9
35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35°	556.8	615.7	679.0	749.9
37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.5°	616.0	676.9	745.2	823.0
38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	40°	669.8	739.3	823.0	894.8
40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	42.5°	729.2	803.2	897.5	980.6
41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	45°	786.9	864.1	967.3	1058.3
42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	47.5°	837.4	914.9	1024.9	1119.9
43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	50°	877.9	964.3	1071.7	1162.7
44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	52.5°	909.6	1001.0	1107.1	1192.3
44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	55°	926.2	1018.4	1118.1	1204.7
44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	57.5°	928.5	1017.2	1108.9	1193.5
44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	60°	906.0	984.7	1072.2	1160.7
45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	62.5°	855.8	917.3	1000.4	1087.9
45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	65°	791.3	831.5	886.8	972.6
45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	67.5°	728.0	754.7	783.6	846.9
								70°	630.8	652.9	681.9	721.2
								72.5°	490.6	519.9	540.6	578.7
								75°	368.7	385.6	415.5	450.6
								77.5°	259.3	276.5	310.5	350.7
								80°	174.2	186.0	207.0	241.6
								82.5°	106.7	120.3	138.1	168.0
								85°	71.6	92.9	115.6	138.1
								87.5°	30.2	50.9	64.5	67.7
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	0.2	0.2	0.2	0.2
								97.5°	0.5	0.5	0.5	0.5
								100°	1.6	1.6	1.6	1.6
								102.5°	2.8	2.8	2.8	2.8
								105°	3.8	3.8	3.8	3.8
								107.5°	4.8	4.8	4.8	4.8
								110°	5.8	5.8	5.8	5.8



REPORT NUMBER: P173317

CATALOG NUMBER: ENC-EXX-LED-E1-SLR-7030-ULG-CWB

G-CWB

CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°	325°		275°	280°	285°	290°	295°
191.9	191.9	191.9	191.9	191.9	191.9	191.9	112.5°	6.9	6.9	6.9	6.9	6.9
194.9	194.6	195.2	195.2	194.9	194.9	195.7	115°	8.1	8.1	8.1	8.1	8.1
201.1	201.4	202.0	201.4	202.5	201.1	201.4	117.5°	9.6	9.6	9.6	9.6	9.6
209.7	210.0	210.8	210.5	211.4	210.5	209.4	120°	11.3	11.3	11.3	11.3	11.3
220.6	221.2	221.2	222.7	224.1	222.4	220.3	122.5°	13.2	13.2	13.2	13.2	13.2
233.3	235.4	234.5	237.4	238.9	237.7	236.3	125°	15.5	15.5	15.5	15.5	15.5
250.8	254.9	254.3	259.9	262.0	261.1	261.4	127.5°	17.9	17.9	17.9	17.9	17.9
276.8	282.7	283.6	292.5	298.1	297.2	295.7	130°	20.4	20.4	20.4	20.4	20.4
307.0	322.3	325.9	333.6	339.8	342.1	341.8	132.5°	22.8	22.8	22.8	22.8	22.8
358.1	369.3	377.3	391.2	396.8	402.2	400.7	135°	25.2	25.2	25.2	25.2	25.2
416.4	426.7	444.5	462.2	467.8	472.8	479.3	137.5°	27.6	27.6	27.6	27.6	27.6
490.9	505.9	534.0	558.0	571.6	567.5	565.4	140°	29.9	29.9	29.9	29.9	29.9
591.7	629.6	650.3	669.8	678.6	665.7	649.1	142.5°	32.1	32.1	32.1	32.1	32.1
712.4	756.7	769.7	779.2	762.3	744.6	696.1	145°	34.0	34.0	34.0	34.0	34.0
800.8	844.2	871.1	881.2	845.1	792.5	726.8	147.5°	35.6	35.6	35.6	35.6	35.6
880.6	924.7	936.5	941.0	892.5	824.4	760.5	150°	37.3	37.3	37.3	37.3	37.3
965.5	1002.5	1009.3	1006.9	942.4	862.0	802.3	152.5°	38.8	38.8	38.8	38.8	38.8
1042.7	1080.5	1074.3	1063.9	990.6	909.3	843.4	155°	40.0	40.0	40.0	40.0	40.0
1116.0	1143.8	1132.6	1106.8	1036.2	945.7	875.6	157.5°	41.1	41.1	41.1	41.1	41.1
1165.1	1188.5	1176.3	1143.8	1067.5	970.2	893.3	160°	42.2	42.2	42.2	42.2	42.2
1202.4	1220.1	1213.0	1166.0	1085.8	985.3	901.3	162.5°	43.2	43.2	43.2	43.2	43.2
1221.0	1238.4	1234.3	1170.1	1088.2	987.7	897.5	165°	44.0	44.0	44.0	44.0	44.0
1227.8	1247.6	1233.1	1154.7	1072.5	978.8	884.2	167.5°	44.4	44.4	44.4	44.4	44.4
1222.2	1231.3	1210.0	1125.5	1040.6	951.3	865.3	170°	44.5	44.5	44.5	44.5	44.5
1201.4	1194.9	1165.7	1074.6	995.3	913.1	844.2	172.5°	44.9	44.9	44.9	44.9	44.9
1143.5	1126.7	1103.0	1015.8	935.0	852.8	811.7	175°	45.5	45.5	45.5	45.5	45.5
1024.0	1019.3	1008.4	943.6	863.5	785.1	758.8	177.5°	45.7	45.7	45.7	45.7	45.7
870.9	866.1	867.6	823.8	765.9	689.6	690.2	180°	45.6	45.6	45.6	45.6	45.6
746.7	720.6	689.9	642.9	609.2	598.8	632.2						
600.9	586.7	561.6	520.4	482.3	495.6	570.4						
464.6	456.0	474.3	479.0	464.3	455.4	480.8						
380.6	399.2	428.5	465.7	469.3	456.3	408.1						
289.8	338.3	378.8	429.1	423.7	395.7	343.0						
202.9	249.9	288.0	330.3	328.8	303.1	277.1						
155.2	170.0	184.5	228.9	246.0	226.2	197.8						
73.3	73.9	89.0	109.7	117.7	134.3	132.5						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.2	0.2	0.2	0.2	0.2	0.2	0.2						
0.5	0.5	0.5	0.5	0.5	0.5	0.5						
1.6	1.6	1.6	1.6	1.6	1.6	1.6						
2.8	2.8	2.8	2.8	2.8	2.8	2.8						
3.8	3.8	3.8	3.8	3.8	3.8	3.8						
4.8	4.8	4.8	4.8	4.8	4.8	4.8						
5.8	5.8	5.8	5.8	5.8	5.8	5.8						



REPORT NUMBER: P173317

CATALOG NUMBER: ENC-EXX-LED-E1-SLR-7030-ULG-CWB

CANDELA DISTRIBUTION (continued):

300°	305°	310°	315°	320°	325°		330°	335°	340°	345°	350°	355°
6.9	6.9	6.9	6.9	6.9	6.9	0°	191.9	191.9	191.9	191.9	191.9	191.9
8.1	8.1	8.1	8.1	8.1	8.1	2.5°	196.1	195.7	195.7	195.7	196.1	195.7
9.6	9.6	9.6	9.6	9.6	9.6	5°	202.0	201.4	201.1	201.1	200.8	200.8
11.3	11.3	11.3	11.3	11.3	11.3	7.5°	209.7	208.5	208.5	207.6	207.3	206.4
13.2	13.2	13.2	13.2	13.2	13.2	10°	220.0	218.8	218.5	216.2	216.2	214.1
15.5	15.5	15.5	15.5	15.5	15.5	12.5°	235.1	235.1	235.1	232.1	231.6	228.0
17.9	17.9	17.9	17.9	17.9	17.9	15°	261.1	258.8	260.8	255.8	255.5	250.8
20.4	20.4	20.4	20.4	20.4	20.4	17.5°	296.3	296.3	292.2	289.8	288.3	281.5
22.8	22.8	22.8	22.8	22.8	22.8	20°	343.0	343.3	336.2	329.7	326.8	319.1
25.2	25.2	25.2	25.2	25.2	25.2	22.5°	402.5	396.8	388.0	383.2	378.5	365.8
27.6	27.6	27.6	27.6	27.6	27.6	25°	480.5	478.2	462.5	445.3	438.2	419.0
29.9	29.9	29.9	29.9	29.9	29.9	27.5°	557.1	552.1	527.0	497.7	479.7	453.3
32.1	32.1	32.1	32.1	32.1	32.1	30°	624.5	591.4	561.6	526.4	498.9	466.0
34.0	34.0	34.0	34.0	34.0	34.0	32.5°	659.7	618.0	574.5	545.6	511.0	474.6
35.6	35.6	35.6	35.6	35.6	35.6	35°	686.9	642.3	599.1	561.6	522.5	481.4
37.3	37.3	37.3	37.3	37.3	37.3	37.5°	721.5	674.5	626.9	582.3	534.6	486.5
38.8	38.8	38.8	38.8	38.8	38.8	40°	760.0	706.2	647.3	593.2	539.7	484.7
40.0	40.0	40.0	40.0	40.0	40.0	42.5°	791.9	726.8	657.7	596.7	537.9	477.3
41.1	41.1	41.1	41.1	41.1	41.1	45°	809.7	735.4	658.5	592.9	530.8	468.1
42.2	42.2	42.2	42.2	42.2	42.2	47.5°	817.9	735.7	652.6	584.3	521.3	455.1
43.2	43.2	43.2	43.2	43.2	43.2	50°	817.0	728.3	641.4	572.8	510.7	441.5
44.0	44.0	44.0	44.0	44.0	44.0	52.5°	808.2	716.2	628.4	563.6	501.5	430.0
44.4	44.4	44.4	44.4	44.4	44.4	55°	794.6	703.2	615.4	557.4	493.8	420.5
44.5	44.5	44.5	44.5	44.5	44.5	57.5°	779.2	691.9	605.9	556.2	489.4	418.7
44.9	44.9	44.9	44.9	44.9	44.9	60°	772.4	693.1	611.8	547.9	487.0	422.6
45.5	45.5	45.5	45.5	45.5	45.5	62.5°	768.0	704.4	624.0	553.6	490.9	438.8
45.7	45.7	45.7	45.7	45.7	45.7	65°	749.9	720.0	642.6	573.7	518.7	477.0
45.6	45.6	45.6	45.6	45.6	45.6	67.5°	728.3	724.5	650.0	585.5	550.3	526.7
						70°	705.9	719.8	660.6	616.5	597.0	587.6
						72.5°	669.8	685.8	630.8	604.4	598.5	591.7
						75°	558.6	561.6	519.6	505.1	515.4	499.4
						77.5°	401.6	409.3	382.0	385.9	419.6	385.0
						80°	297.5	267.3	250.2	261.7	293.9	244.5
						82.5°	245.2	198.4	168.3	183.9	196.4	144.3
						85°	188.7	151.4	124.5	100.5	95.8	61.8
						87.5°	148.2	109.4	60.9	34.3	23.1	1.5
						90°	0.0	0.0	0.0	0.0	0.0	0.0
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	0.2	0.2	0.2	0.2	0.2	0.2
						97.5°	0.5	0.5	0.5	0.5	0.5	0.5
						100°	1.6	1.6	1.6	1.6	1.6	1.6
						102.5°	2.8	2.8	2.8	2.8	2.8	2.8
						105°	3.8	3.8	3.8	3.8	3.8	3.8
						107.5°	4.8	4.8	4.8	4.8	4.8	4.8
						110°	5.8	5.8	5.8	5.8	5.8	5.8



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CANDELA DISTRIBUTION (continued):

360°		330°	335°	340°	345°	350°	355°	360°
191.9	112.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
196.1	115°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
200.8	117.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6
206.4	120°	11.3	11.3	11.3	11.3	11.3	11.3	11.3
215.0	122.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2
227.4	125°	15.5	15.5	15.5	15.5	15.5	15.5	15.5
249.6	127.5°	17.9	17.9	17.9	17.9	17.9	17.9	17.9
278.3	130°	20.4	20.4	20.4	20.4	20.4	20.4	20.4
313.5	132.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8
353.1	135°	25.2	25.2	25.2	25.2	25.2	25.2	25.2
398.3	137.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6
426.1	140°	29.9	29.9	29.9	29.9	29.9	29.9	29.9
432.0	142.5°	32.1	32.1	32.1	32.1	32.1	32.1	32.1
436.2	145°	34.0	34.0	34.0	34.0	34.0	34.0	34.0
437.3	147.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6
435.6	150°	37.3	37.3	37.3	37.3	37.3	37.3	37.3
428.5	152.5°	38.8	38.8	38.8	38.8	38.8	38.8	38.8
419.3	155°	40.0	40.0	40.0	40.0	40.0	40.0	40.0
407.8	157.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1
393.6	160°	42.2	42.2	42.2	42.2	42.2	42.2	42.2
380.3	162.5°	43.2	43.2	43.2	43.2	43.2	43.2	43.2
369.9	165°	44.0	44.0	44.0	44.0	44.0	44.0	44.0
363.4	167.5°	44.4	44.4	44.4	44.4	44.4	44.4	44.4
364.3	170°	44.5	44.5	44.5	44.5	44.5	44.5	44.5
373.5	172.5°	44.9	44.9	44.9	44.9	44.9	44.9	44.9
396.5	175°	45.5	45.5	45.5	45.5	45.5	45.5	45.5
440.3	177.5°	45.7	45.7	45.7	45.7	45.7	45.7	45.7
483.2	180°	45.6	45.6	45.6	45.6	45.6	45.6	45.6
524.6								
497.4								
379.7								
273.2								
158.5								
99.1								
42.9								
1.5								
0.0								
0.0								
0.2								
0.5								
1.6								
2.8								
3.8								
4.8								
5.8								

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(REPORT)