

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: P141538

Luminaire Tested: **ECM-E01-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141538
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-E01-LED-E1-SLR-8030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2207.5 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

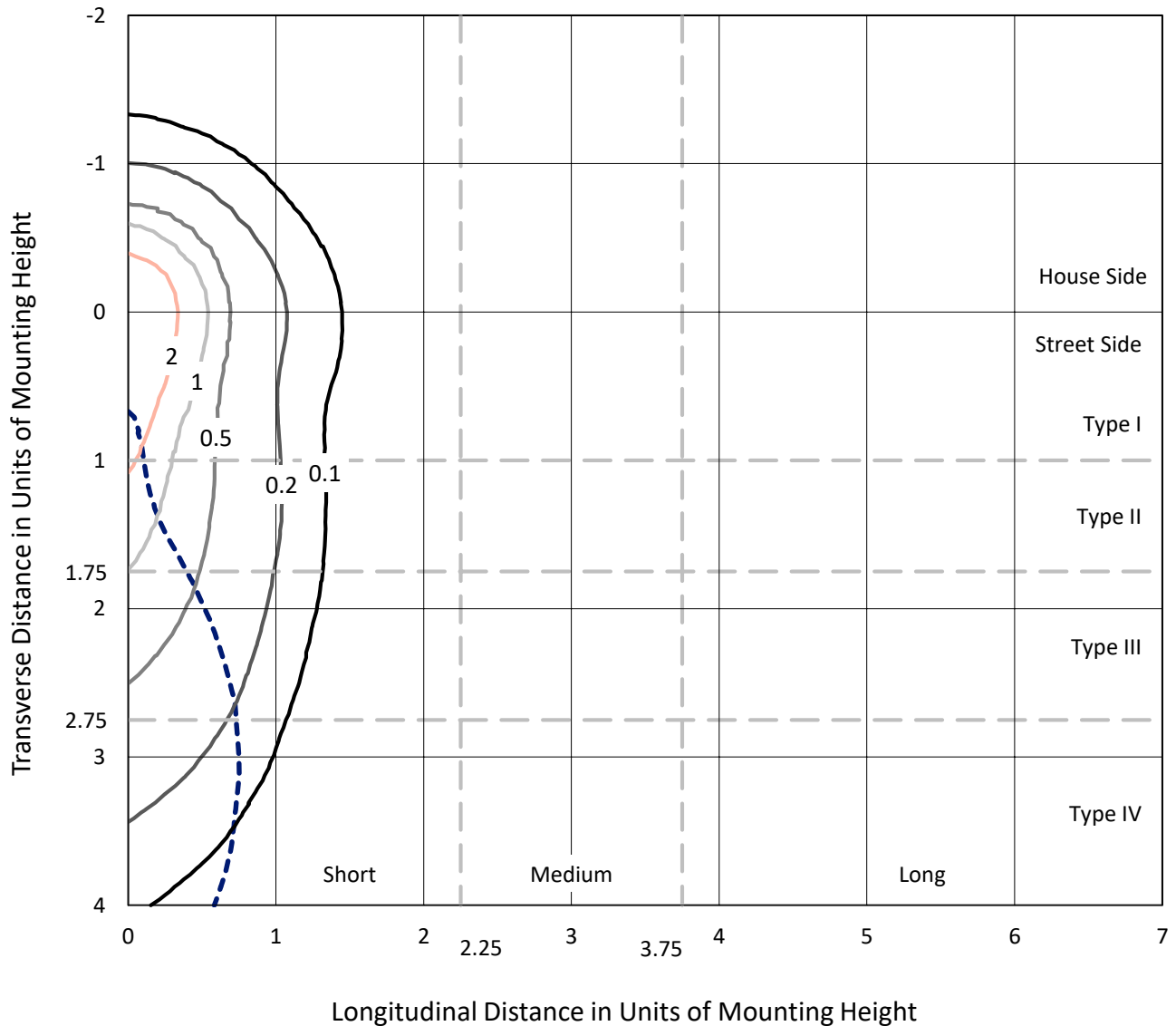
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

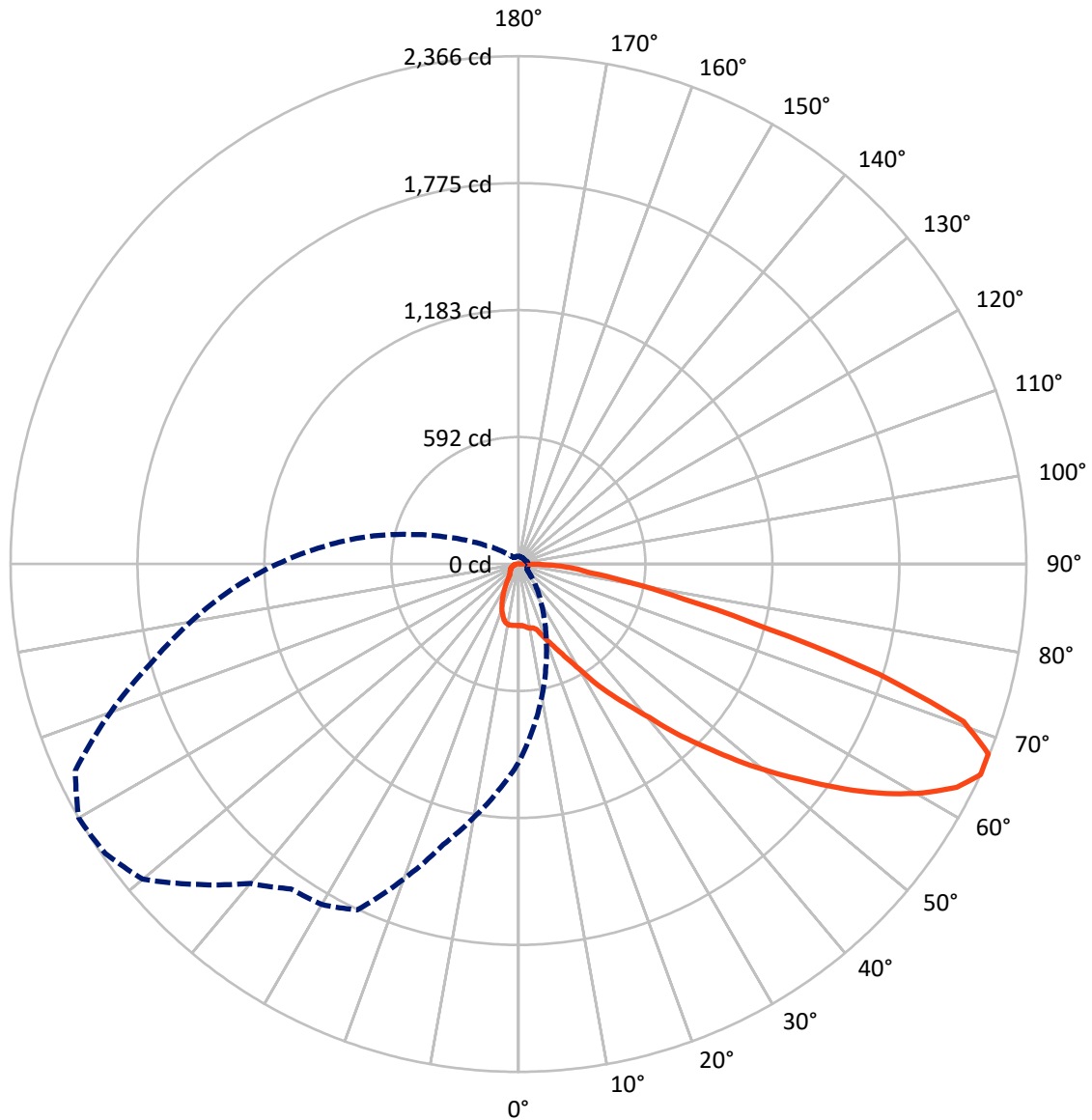
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	409.4	0.0	409.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	1798.0	0.0	1798.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	2207.5	0.0	2207.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	1.3
10°-20°	83.4	3.8
20°-30°	138.5	6.3
30°-40°	202.5	9.2
40°-50°	308.1	14.0
50°-60°	442.8	20.1
60°-70°	544.4	24.7
70°-80°	364.2	16.5
80°-90°	95.8	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°	2207.5	100.0
0°-180°	2207.5	100.0

Coefficient of Utilization



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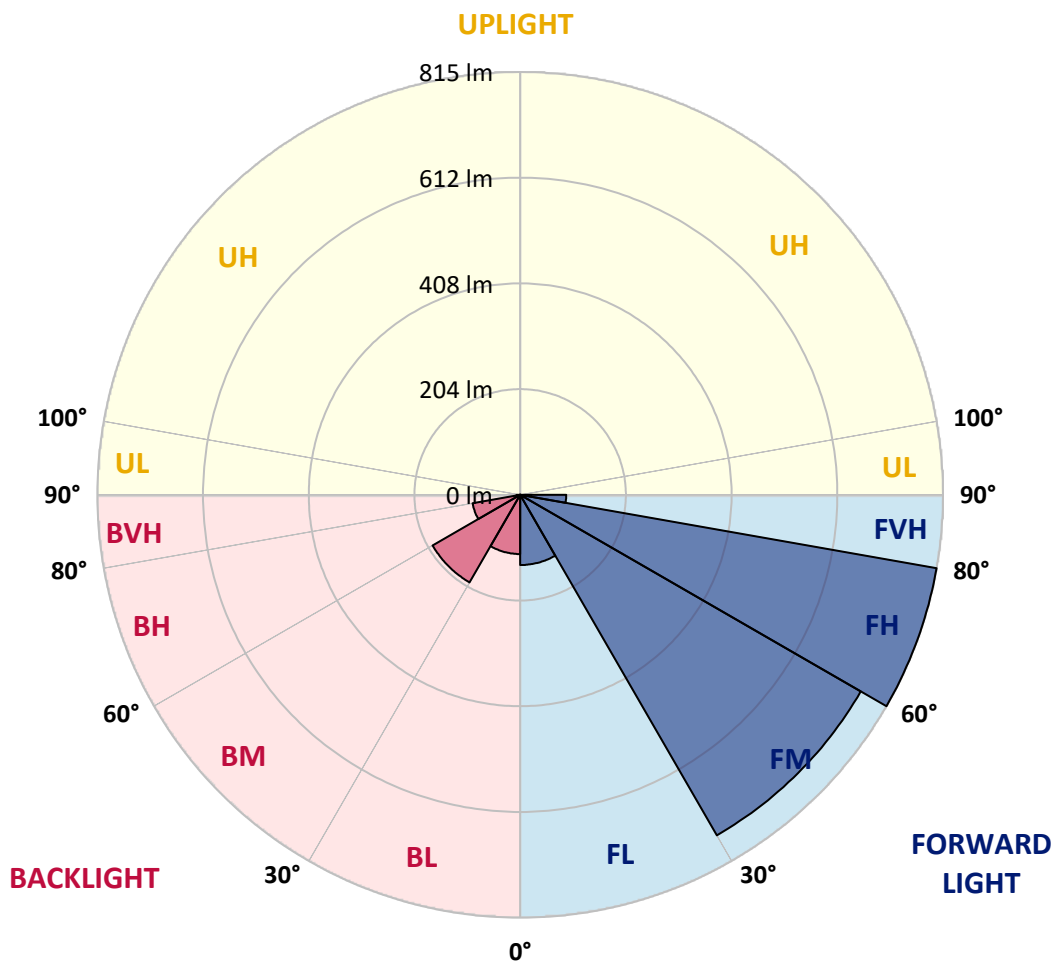
CATALOG NUMBER: ECM-E01-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.4	6.1			
FM	(30°-60°)	758.4	34.4			
FH	(60°-80°)	815.4	36.9			G1/1800
FVH	(80°-90°)	88.8	4.0			G1/100
BL	(0°-30°)	114.3	5.2	B1/500		
BM	(30°-60°)	195.0	8.8	B0/220		
BH	(60°-80°)	93.2	4.2	B0/110		G0/110
BVH	(80°-90°)	7.0	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	287.2	288.1	288.1	287.5	287.2	287.5	287.8	287.5	287.8	288.4	288.1
5°	283.6	284.1	284.4	284.4	284.4	285.0	285.8	285.6	286.4	287.0	287.0
7.5°	274.9	276.0	276.0	276.3	276.8	277.7	279.1	279.6	281.0	283.0	283.6
10°	269.5	269.8	269.0	268.7	269.2	270.9	271.8	273.2	275.4	277.7	279.9
12.5°	270.9	271.2	269.8	270.1	270.1	270.9	273.5	274.6	275.4	276.8	279.1
15°	282.5	282.5	280.8	281.3	281.6	282.7	282.7	280.8	280.2	278.8	277.7
17.5°	297.9	295.7	295.4	295.1	296.2	295.1	292.6	288.1	282.7	277.1	272.6
20°	314.0	314.2	312.6	312.3	309.2	305.2	297.9	288.9	279.4	270.6	261.6
22.5°	337.9	338.4	335.3	329.2	322.4	312.0	298.8	285.0	271.2	259.1	248.7
25°	374.2	368.3	361.2	348.3	331.1	312.8	294.6	277.4	259.4	243.4	230.1
27.5°	410.2	398.4	379.5	358.4	334.2	310.6	288.9	265.9	244.5	225.1	209.9
30°	443.7	421.7	394.7	364.6	333.7	303.3	275.7	249.5	224.2	203.4	185.4
32.5°	477.7	445.6	408.2	366.0	325.2	288.9	257.1	227.0	202.0	176.7	157.3
35°	520.5	472.1	416.4	360.7	310.6	266.4	232.4	203.7	176.7	151.1	130.8
37.5°	559.6	493.2	420.6	351.7	291.5	243.1	205.7	176.4	151.1	129.4	112.0
40°	588.3	507.0	420.0	340.1	272.0	219.2	182.3	155.9	133.1	115.9	102.4
42.5°	610.8	514.8	417.2	329.2	255.2	201.7	167.1	142.9	124.9	111.1	100.7
45°	626.2	520.5	415.5	320.4	243.9	193.3	162.0	141.8	126.6	114.2	102.4
47.5°	639.7	526.9	415.0	316.5	241.4	195.8	168.8	150.5	133.9	117.9	102.1
50°	653.2	533.4	420.0	323.0	250.9	209.9	184.6	161.2	138.4	116.8	97.3
52.5°	671.8	552.3	438.9	341.5	271.8	229.6	199.5	169.9	139.3	113.9	92.8
55°	699.7	581.5	465.9	366.0	294.3	250.9	211.6	173.3	138.4	110.8	88.6
57.5°	745.2	624.6	502.7	400.1	323.5	267.5	218.3	174.7	136.4	107.5	85.2
60°	802.9	673.8	549.2	435.8	348.6	279.1	221.1	174.1	133.6	103.5	80.5
62.5°	868.5	727.8	591.1	468.4	366.6	284.4	220.0	169.6	127.2	95.4	73.7
65°	926.1	770.8	626.2	494.6	377.8	284.4	213.0	159.2	115.6	83.8	65.0
67.5°	973.4	807.1	653.2	509.8	379.0	274.6	196.1	140.4	97.3	69.5	54.9
70°	998.2	818.7	661.7	508.1	360.1	246.2	165.1	109.2	71.5	54.0	44.2
72.5°	970.9	791.4	625.7	459.1	300.5	183.7	115.6	74.3	51.2	41.9	36.6
75°	864.0	671.5	520.7	355.0	215.2	114.5	71.7	52.0	40.5	34.9	32.1
77.5°	645.1	500.5	358.4	224.8	123.2	69.5	50.4	39.7	34.0	30.7	28.1
80°	405.7	308.3	215.5	123.8	70.3	51.2	41.9	35.4	30.9	26.7	24.2
82.5°	225.9	164.3	109.7	70.6	49.0	41.4	36.3	32.6	27.6	23.4	20.8
85°	154.5	101.6	69.2	46.4	33.8	30.1	27.0	24.8	21.1	17.7	16.3
87.5°	62.7	58.5	42.5	18.6	13.8	12.4	11.0	13.5	11.3	8.7	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	288.6	288.1	288.4	288.1	287.8	287.5	287.2	287.5	287.0	287.2	287.2
5°	287.8	287.2	288.1	287.8	287.2	287.2	287.0	287.0	287.0	287.0	287.2
7.5°	285.3	285.3	286.1	286.1	285.6	285.6	285.0	284.7	284.7	285.0	285.6
10°	281.9	282.7	284.1	283.6	282.5	281.9	281.0	280.5	280.2	280.8	281.3
12.5°	279.4	279.9	279.1	278.2	276.5	274.6	274.3	272.9	272.0	273.5	273.5
15°	275.1	272.9	269.8	267.0	263.0	261.1	258.8	258.3	256.3	256.6	258.0
17.5°	266.1	260.2	255.4	252.6	249.3	247.9	245.3	243.9	242.5	241.1	241.9
20°	253.5	247.0	240.8	237.2	231.8	230.7	226.5	226.5	224.8	225.1	226.8
22.5°	237.4	227.6	219.7	215.2	209.6	207.3	205.4	204.0	203.1	204.8	202.8
25°	216.3	204.5	197.2	190.7	184.6	182.3	179.8	178.9	179.2	178.1	180.1
27.5°	194.7	180.1	172.2	164.9	160.4	156.4	154.5	153.9	152.8	155.9	154.2
30°	167.4	154.2	144.9	137.3	131.9	130.0	128.0	127.4	129.1	126.9	125.8
32.5°	139.8	125.5	117.6	111.1	107.2	103.2	102.7	101.6	99.6	102.1	101.6
35°	114.8	102.7	94.5	90.6	85.2	83.6	80.2	79.3	79.6	80.2	79.9
37.5°	99.6	91.2	83.8	78.5	74.6	72.3	71.2	70.1	70.1	69.5	69.2
40°	92.6	85.5	78.8	73.7	70.6	68.9	67.8	66.7	65.8	65.0	64.1
42.5°	91.4	83.0	75.4	70.3	67.5	67.0	66.7	65.8	64.7	63.3	62.2
45°	90.6	79.9	72.0	67.5	65.5	65.3	65.3	64.4	63.6	62.2	60.5
47.5°	87.8	76.0	68.4	65.0	64.1	64.4	64.1	63.3	62.7	61.3	59.4
50°	81.6	70.1	62.7	60.2	59.9	59.6	59.6	59.4	58.8	57.7	55.7
52.5°	76.2	64.7	58.8	57.1	56.5	56.5	56.0	55.7	54.6	53.7	52.3
55°	72.9	61.9	56.8	55.7	55.7	55.4	54.9	54.0	53.2	52.0	50.4
57.5°	69.8	59.6	55.4	54.6	54.9	54.6	54.0	53.5	52.3	50.9	49.0
60°	65.3	56.3	52.6	52.3	52.9	53.5	53.2	52.9	52.0	50.1	47.3
62.5°	58.8	50.6	47.8	48.4	49.0	49.5	49.2	49.0	48.1	46.4	43.9
65°	52.3	46.4	44.7	45.3	45.9	45.9	45.9	45.3	44.7	42.8	40.8
67.5°	46.1	42.5	41.9	42.5	42.8	42.8	43.0	42.5	41.6	40.2	38.3
70°	39.4	37.7	37.7	38.3	38.5	38.3	38.5	37.7	36.9	36.0	34.0
72.5°	35.2	35.2	34.9	34.9	34.9	34.3	34.0	33.5	32.6	31.8	30.1
75°	31.2	31.2	30.9	31.5	30.4	29.5	29.3	28.7	27.9	26.7	25.6
77.5°	26.7	26.2	26.2	27.0	26.7	25.6	24.8	24.5	23.4	22.2	21.7
80°	23.1	22.5	22.5	22.2	21.7	21.4	20.3	19.1	18.8	18.8	18.0
82.5°	20.3	20.0	19.1	18.6	17.7	16.9	16.0	15.5	14.6	14.3	14.6
85°	16.0	16.3	15.5	14.9	14.1	12.9	12.1	11.5	11.0	11.0	12.1
87.5°	9.3	8.7	8.7	8.4	8.2	7.3	7.3	6.5	6.2	7.9	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	287.5	287.5	286.7	287.2	287.0	287.2	288.4	287.2	287.0	287.8	288.6
5°	287.5	288.1	287.2	287.8	287.8	288.6	290.1	289.2	289.8	290.9	292.0
7.5°	286.4	287.2	287.2	288.4	289.2	290.6	292.6	292.0	293.1	294.8	296.2
10°	283.3	284.7	286.1	287.8	289.8	292.0	294.8	294.8	296.0	298.2	299.6
12.5°	275.7	279.4	281.0	285.0	288.1	291.5	294.6	296.5	297.4	299.3	301.0
15°	260.5	265.0	268.4	273.2	278.2	283.0	288.4	290.3	292.0	292.9	293.7
17.5°	243.1	246.2	248.4	254.6	260.2	264.7	269.8	272.3	274.3	274.3	274.9
20°	228.7	230.1	230.7	230.7	234.1	238.3	244.8	243.9	245.6	243.9	245.6
22.5°	206.5	204.2	205.4	205.4	207.6	206.8	209.3	213.5	213.0	214.1	218.9
25°	179.5	179.8	177.8	177.8	178.1	178.6	179.8	180.9	184.8	189.1	192.1
27.5°	153.9	153.3	151.9	150.8	149.7	151.6	153.0	152.8	158.4	161.8	167.4
30°	125.8	125.8	126.0	125.5	126.6	125.2	127.4	128.0	132.8	136.4	141.5
32.5°	102.4	103.0	103.0	102.7	104.7	103.2	104.4	105.8	108.9	112.0	114.5
35°	81.3	82.1	84.4	85.2	86.1	85.0	86.4	88.1	88.3	91.2	93.1
37.5°	68.9	70.3	70.6	71.2	71.2	72.0	72.3	73.4	73.4	74.3	74.8
40°	63.6	63.0	62.7	62.5	61.9	62.2	62.5	63.3	63.6	64.1	64.1
42.5°	61.0	60.2	58.8	58.0	56.8	56.8	56.8	56.8	57.7	58.2	58.2
45°	58.8	57.4	56.0	54.6	53.7	53.2	53.5	53.7	54.3	54.6	54.9
47.5°	57.4	55.4	53.2	51.8	50.9	50.4	50.6	50.9	50.9	51.2	51.5
50°	53.5	51.5	49.5	48.1	47.3	47.0	47.0	46.7	47.0	47.3	47.3
52.5°	50.4	48.4	46.7	45.3	44.5	44.5	44.2	43.6	43.9	43.6	43.9
55°	48.7	46.1	44.2	42.8	41.9	41.9	41.4	41.6	41.6	41.1	41.4
57.5°	46.7	44.2	42.5	40.8	39.7	39.7	39.4	39.7	39.9	39.1	39.1
60°	44.7	42.5	40.5	39.1	37.7	38.0	37.7	38.3	38.3	37.4	37.4
62.5°	41.1	39.1	38.0	37.1	36.0	36.3	36.3	37.1	36.3	35.7	35.4
65°	38.3	36.9	35.2	35.2	34.0	34.6	34.6	34.6	33.8	33.5	33.8
67.5°	36.3	34.6	33.5	32.4	31.5	31.8	31.2	31.2	30.9	30.7	31.2
70°	32.6	31.2	30.7	29.5	29.0	28.1	27.9	27.9	27.9	27.6	27.9
72.5°	29.0	27.9	27.3	26.2	25.6	25.0	24.8	24.5	24.2	24.5	24.5
75°	24.5	23.9	23.4	22.8	22.2	21.9	21.7	21.7	21.4	21.1	21.4
77.5°	21.1	20.3	20.0	19.4	19.7	18.8	18.6	18.8	18.8	18.8	19.1
80°	18.0	17.4	17.4	16.9	16.6	16.0	16.3	16.3	16.3	16.3	16.6
82.5°	15.8	15.2	15.2	14.9	14.1	13.5	13.8	14.3	14.3	14.1	14.6
85°	12.9	12.4	12.4	12.1	11.0	10.7	10.4	11.0	11.3	10.7	11.3
87.5°	8.4	7.9	7.6	7.6	6.5	4.5	5.9	6.5	6.5	5.3	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	288.4	288.9	288.9	289.5	290.6	289.5	288.9	289.8	289.8	289.5	289.5
5°	292.0	293.1	293.4	295.1	296.0	295.4	296.0	296.5	296.8	296.2	296.8
7.5°	296.8	298.2	299.6	301.6	303.3	303.0	303.8	305.0	305.2	305.2	305.8
10°	300.7	302.7	304.1	306.7	308.6	309.2	310.0	311.4	312.8	312.8	314.0
12.5°	301.6	303.8	305.2	307.5	310.9	312.0	314.0	317.3	318.7	319.9	320.7
15°	294.3	296.2	298.2	301.3	305.2	308.6	313.1	317.9	322.1	325.2	326.3
17.5°	275.1	275.4	277.4	281.9	290.1	293.7	299.3	309.2	315.1	320.7	326.1
20°	247.0	252.4	254.3	260.2	268.1	273.7	280.2	289.2	298.2	308.3	317.3
22.5°	222.3	229.3	234.9	241.9	248.4	254.9	263.0	270.9	280.8	290.6	301.3
25°	196.9	203.4	211.3	218.9	226.5	234.6	244.8	253.2	263.0	274.6	288.1
27.5°	172.5	179.2	187.9	196.9	203.1	214.1	222.5	234.9	246.2	258.8	274.0
30°	146.9	153.3	157.5	167.4	176.1	187.1	200.0	212.1	225.6	239.7	257.4
32.5°	119.0	122.9	128.8	135.6	145.7	157.3	170.8	183.7	202.3	219.7	236.6
35°	95.4	97.3	97.1	104.7	109.2	122.9	139.8	152.2	170.8	192.1	214.4
37.5°	75.1	74.8	76.5	77.6	83.3	92.3	105.5	121.5	142.9	166.0	188.2
40°	64.1	64.4	64.7	64.7	65.8	71.7	83.6	100.2	120.7	141.2	165.7
42.5°	59.1	59.6	59.9	60.5	61.0	63.0	71.5	86.9	104.4	126.3	148.3
45°	55.4	56.3	57.1	57.1	57.7	58.2	63.0	74.8	92.3	113.1	136.2
47.5°	52.3	53.2	53.7	54.0	54.6	55.1	57.7	65.8	82.7	101.6	125.5
50°	47.8	48.7	49.2	50.1	50.1	50.1	51.8	57.7	70.6	89.2	112.5
52.5°	44.2	44.7	45.6	46.1	46.4	46.7	47.5	50.9	60.8	78.2	100.2
55°	42.2	42.8	43.6	44.2	44.7	45.0	45.6	47.0	54.0	68.9	89.5
57.5°	39.7	40.5	41.6	42.2	42.8	43.0	43.3	43.9	48.7	59.9	76.8
60°	38.0	39.4	40.8	41.6	41.9	42.2	42.5	41.9	43.9	50.9	64.1
62.5°	36.0	37.4	38.5	39.7	39.9	40.2	40.5	39.7	39.4	42.8	50.1
65°	34.3	35.2	36.0	36.9	36.9	37.1	36.9	35.7	34.9	34.9	38.3
67.5°	32.1	32.6	33.5	33.8	33.8	33.8	33.5	33.2	31.8	31.2	31.8
70°	28.7	29.5	30.4	30.9	30.9	30.7	30.4	29.5	29.0	28.4	29.0
72.5°	25.6	26.7	27.0	27.3	27.0	27.0	27.0	26.4	26.7	26.7	27.0
75°	22.5	23.1	23.1	23.6	23.6	23.6	23.6	23.6	24.2	23.9	24.2
77.5°	19.1	19.4	20.0	20.0	20.0	20.3	20.8	20.8	21.4	21.7	21.7
80°	16.6	16.0	16.0	15.8	16.0	16.6	17.2	18.3	18.3	18.6	18.8
82.5°	13.2	12.1	11.5	12.1	12.1	12.4	13.5	14.6	14.6	15.5	15.8
85°	10.1	8.7	7.6	8.2	8.2	8.7	9.8	10.4	11.3	11.5	11.3
87.5°	5.9	5.1	3.4	2.8	3.4	4.2	4.5	5.1	4.2	4.8	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	290.1	290.1	288.6	288.6	288.9	289.5	288.1	287.8	288.1	287.8	287.5
5°	297.6	296.8	296.5	296.0	295.7	296.2	294.8	294.8	294.6	294.0	293.1
7.5°	306.1	305.5	305.0	304.4	303.8	304.1	302.7	302.4	302.1	301.9	301.0
10°	314.0	313.1	312.6	311.2	310.0	308.9	306.1	305.2	304.4	303.8	303.6
12.5°	320.4	319.6	317.6	315.1	313.4	310.6	308.3	306.4	305.5	304.7	305.0
15°	326.6	324.9	322.4	319.3	317.6	314.8	313.1	312.3	311.7	311.2	311.7
17.5°	328.6	329.2	327.7	326.9	325.8	324.7	324.9	325.8	327.5	327.5	327.5
20°	324.9	331.1	335.1	338.2	340.7	342.4	342.7	343.5	345.5	346.3	350.5
22.5°	316.2	332.3	345.5	356.2	362.9	365.2	367.7	370.5	370.8	371.6	375.6
25°	308.1	331.4	351.1	368.0	383.7	394.7	400.9	406.5	407.9	409.1	409.1
27.5°	293.7	319.6	344.9	367.4	389.1	407.4	421.7	436.3	446.5	450.1	455.5
30°	278.5	305.8	332.0	360.4	388.0	413.6	439.4	463.1	479.7	492.0	501.9
32.5°	259.4	288.9	318.7	349.7	382.6	414.7	449.3	483.6	515.1	539.9	555.1
35°	239.4	270.4	301.3	335.3	372.5	411.3	455.5	501.0	543.2	583.5	618.1
37.5°	217.5	246.7	280.5	319.3	359.3	405.7	457.2	513.7	572.2	629.9	674.6
40°	192.4	220.8	253.5	294.3	342.7	395.0	456.3	523.6	597.0	668.7	740.7
42.5°	175.3	201.4	232.7	273.7	323.0	382.9	452.9	532.6	619.5	708.4	799.0
45°	162.3	187.9	218.6	258.0	308.1	371.1	451.8	542.7	643.1	745.0	850.7
47.5°	151.1	177.5	207.1	245.9	294.3	360.4	449.3	551.1	662.8	773.1	895.8
50°	140.1	167.1	197.5	236.6	284.1	348.8	443.7	558.7	681.4	802.4	932.9
52.5°	128.0	154.7	187.4	227.3	277.7	341.5	437.7	564.9	699.4	833.6	971.4
55°	115.1	142.1	174.1	216.3	269.0	335.9	431.8	568.8	718.2	861.7	1006.0
57.5°	101.0	128.0	159.2	202.3	258.3	328.3	425.4	568.6	732.0	888.2	1043.5
60°	83.8	108.3	139.3	182.6	239.7	317.6	420.0	566.3	741.9	911.5	1085.1
62.5°	63.9	84.7	113.1	153.6	213.0	297.1	406.0	556.8	743.0	928.4	1119.7
65°	45.6	56.8	79.3	119.8	169.1	251.2	371.9	531.4	724.4	916.3	1122.8
67.5°	34.9	41.1	52.0	76.2	119.8	191.3	313.4	474.6	666.8	851.9	1071.0
70°	30.1	33.2	39.1	49.8	75.1	124.1	222.0	375.0	549.2	732.9	920.0
72.5°	27.9	29.8	33.5	38.8	47.8	73.1	136.7	252.1	403.4	558.7	722.5
75°	25.6	27.6	30.4	33.8	38.3	49.0	74.6	148.3	249.0	369.1	485.6
77.5°	22.8	24.5	28.1	31.2	34.0	38.3	47.5	82.4	137.0	220.8	290.6
80°	19.1	20.8	23.6	28.4	31.2	34.0	37.1	50.6	75.7	114.2	149.1
82.5°	15.8	16.6	18.8	23.1	25.6	27.0	27.9	32.9	43.0	56.3	82.1
85°	11.0	11.0	12.7	14.9	16.9	15.8	16.0	16.9	22.2	31.2	63.0
87.5°	4.2	3.1	3.9	4.8	4.8	4.5	5.3	5.1	7.0	13.2	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	0°
2.5°	287.5	287.5	287.2	287.0	286.7	286.7	286.1	287.0	286.7	287.0	287.2	2.5°
5°	293.4	292.9	292.3	291.7	291.7	291.2	290.3	290.1	288.9	288.6	287.8	5°
7.5°	301.9	301.9	301.9	301.3	300.2	298.8	297.1	296.0	292.9	290.6	288.1	7.5°
10°	304.1	304.7	305.0	305.2	304.1	303.8	301.9	299.6	296.0	292.6	289.2	10°
12.5°	305.0	306.1	306.4	306.7	305.8	305.2	303.3	301.9	298.8	295.4	293.7	12.5°
15°	312.8	314.8	317.1	316.8	319.3	316.5	314.8	315.1	311.7	308.1	306.9	15°
17.5°	333.1	333.9	338.7	339.0	342.9	344.1	341.3	338.2	336.2	333.9	329.2	17.5°
20°	355.0	361.2	362.9	371.4	375.3	377.3	377.5	377.5	373.9	364.0	360.1	20°
22.5°	379.0	388.2	398.4	403.7	411.9	413.0	417.2	414.7	411.9	404.3	395.3	22.5°
25°	417.5	422.8	431.8	445.3	449.3	457.4	455.8	459.4	453.2	440.0	434.7	25°
27.5°	460.5	469.8	482.5	495.1	500.8	509.8	504.1	509.8	499.6	496.0	483.0	27.5°
30°	507.5	520.2	542.7	558.4	570.0	576.2	572.5	569.4	566.6	559.8	559.0	30°
32.5°	565.2	580.4	601.8	622.3	642.6	663.7	668.7	673.2	683.6	663.1	643.1	32.5°
35°	636.4	647.9	671.8	695.4	723.3	749.7	793.4	804.3	790.3	765.8	733.7	35°
37.5°	705.9	732.0	755.9	784.1	804.9	835.3	854.7	876.3	864.5	841.7	804.9	37.5°
40°	791.1	826.5	859.2	893.8	917.4	941.0	977.6	1001.3	999.0	970.6	920.8	40°
42.5°	869.3	925.6	979.6	1005.5	1037.0	1079.7	1106.8	1144.5	1147.0	1114.1	1050.8	42.5°
45°	951.2	1016.7	1082.6	1133.5	1160.2	1213.1	1275.0	1316.1	1328.7	1266.0	1201.3	45°
47.5°	1015.3	1117.4	1205.8	1260.1	1309.9	1364.5	1444.1	1503.4	1498.4	1413.7	1328.2	47.5°
50°	1071.6	1201.6	1308.5	1397.9	1457.6	1520.6	1625.5	1696.4	1671.7	1563.9	1457.0	50°
52.5°	1122.5	1275.0	1407.2	1518.1	1587.5	1677.6	1810.1	1872.0	1801.6	1697.5	1565.3	52.5°
55°	1169.2	1341.4	1495.0	1628.3	1735.5	1851.7	1976.1	2018.5	1918.4	1789.8	1668.3	55°
57.5°	1212.3	1403.0	1575.7	1735.8	1879.6	2018.3	2126.6	2129.4	2003.6	1861.0	1745.1	57.5°
60°	1264.0	1459.5	1660.1	1847.2	2022.5	2166.5	2229.8	2209.8	2058.5	1914.2	1798.0	60°
62.5°	1314.1	1510.5	1729.1	1954.4	2165.7	2291.4	2304.1	2261.9	2096.2	1938.9	1837.6	62.5°
65°	1338.9	1549.3	1767.6	2022.5	2277.7	2366.0	2350.5	2284.4	2111.4	1942.6	1847.8	65°
67.5°	1302.6	1513.0	1730.7	1992.9	2277.1	2361.2	2321.3	2241.4	2074.5	1892.8	1800.8	67.5°
70°	1168.9	1372.9	1550.4	1797.1	2116.7	2199.7	2139.8	2060.7	1921.2	1743.4	1701.5	70°
72.5°	983.5	1134.9	1283.4	1465.7	1684.9	1757.5	1678.4	1717.8	1681.8	1509.6	1471.4	72.5°
75°	738.2	879.7	937.7	993.7	1145.0	1188.3	1158.0	1293.0	1329.8	1258.1	1160.5	75°
77.5°	483.0	631.6	642.3	643.4	705.3	788.3	898.3	1038.7	1108.4	1076.1	957.6	77.5°
80°	281.6	445.1	398.1	382.9	437.7	530.3	675.5	851.3	943.6	950.3	837.2	80°
82.5°	141.5	279.1	241.7	239.1	270.1	338.4	444.5	542.7	662.8	668.4	683.4	82.5°
85°	110.0	191.9	196.4	213.0	234.6	263.0	270.9	288.4	355.3	417.2	433.2	85°
87.5°	57.1	141.2	166.5	193.8	191.3	156.7	132.2	142.6	166.0	175.0	227.3	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°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
287.0	287.0	287.0	287.0	287.0	287.0	287.0
286.7	287.2	287.0	287.2	287.5	287.5	287.2
286.4	286.1	285.0	284.4	284.4	283.9	283.6
284.7	282.7	279.9	278.2	277.1	276.3	274.9
285.0	281.6	278.0	275.4	272.9	271.2	269.5
288.6	284.4	281.0	277.1	275.1	272.9	270.9
301.3	295.7	291.7	288.1	285.8	284.1	282.5
321.6	314.8	308.3	305.0	301.0	298.2	297.9
348.8	339.0	330.6	323.0	319.3	314.8	314.0
379.8	365.4	356.4	348.0	342.9	337.6	337.9
419.2	404.8	390.2	381.5	374.2	375.0	374.2
466.4	455.2	438.3	427.6	425.4	416.7	410.2
540.2	523.3	502.7	483.6	471.5	457.2	443.7
612.5	581.2	553.9	535.4	519.9	498.8	477.7
683.9	647.9	622.6	606.8	582.9	553.4	520.5
768.9	745.2	727.2	688.7	654.7	609.4	559.6
891.5	861.7	818.7	769.7	720.5	656.3	588.3
1013.6	977.6	917.4	845.4	774.8	697.4	610.8
1146.1	1076.7	998.2	910.9	824.0	728.1	626.2
1250.5	1163.9	1066.0	961.3	863.1	753.4	639.7
1357.1	1252.5	1129.5	1011.7	898.6	773.9	653.2
1441.0	1324.2	1194.5	1057.5	931.5	797.0	671.8
1524.8	1395.7	1252.8	1103.4	972.3	829.1	699.7
1594.6	1460.4	1309.0	1153.5	1019.5	871.8	745.2
1686.6	1551.3	1375.1	1212.8	1073.0	930.1	802.9
1774.1	1657.9	1467.1	1282.6	1138.3	995.9	868.5
1831.7	1778.3	1561.4	1352.6	1199.6	1057.5	926.1
1832.9	1854.8	1660.7	1409.5	1257.0	1124.5	973.4
1788.7	1865.5	1681.8	1414.5	1284.3	1154.3	998.2
1635.9	1733.8	1555.5	1314.7	1233.6	1130.9	970.9
1265.4	1336.3	1244.0	1114.3	1117.2	1057.2	864.0
876.1	943.0	865.4	837.8	899.4	865.9	645.1
663.7	577.3	546.9	561.5	638.3	634.7	405.7
591.1	436.9	362.4	380.4	450.7	411.6	225.9
484.7	435.8	364.3	329.4	343.5	281.0	154.5
279.1	318.7	259.7	244.8	213.0	126.6	62.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)