

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: P141549

Luminaire Tested: **ECM-E02-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141549
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-E02-LED-E1-SLR-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) 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: 4777.8 lumens
Efficiency: N/A
Efficacy: 91.7 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

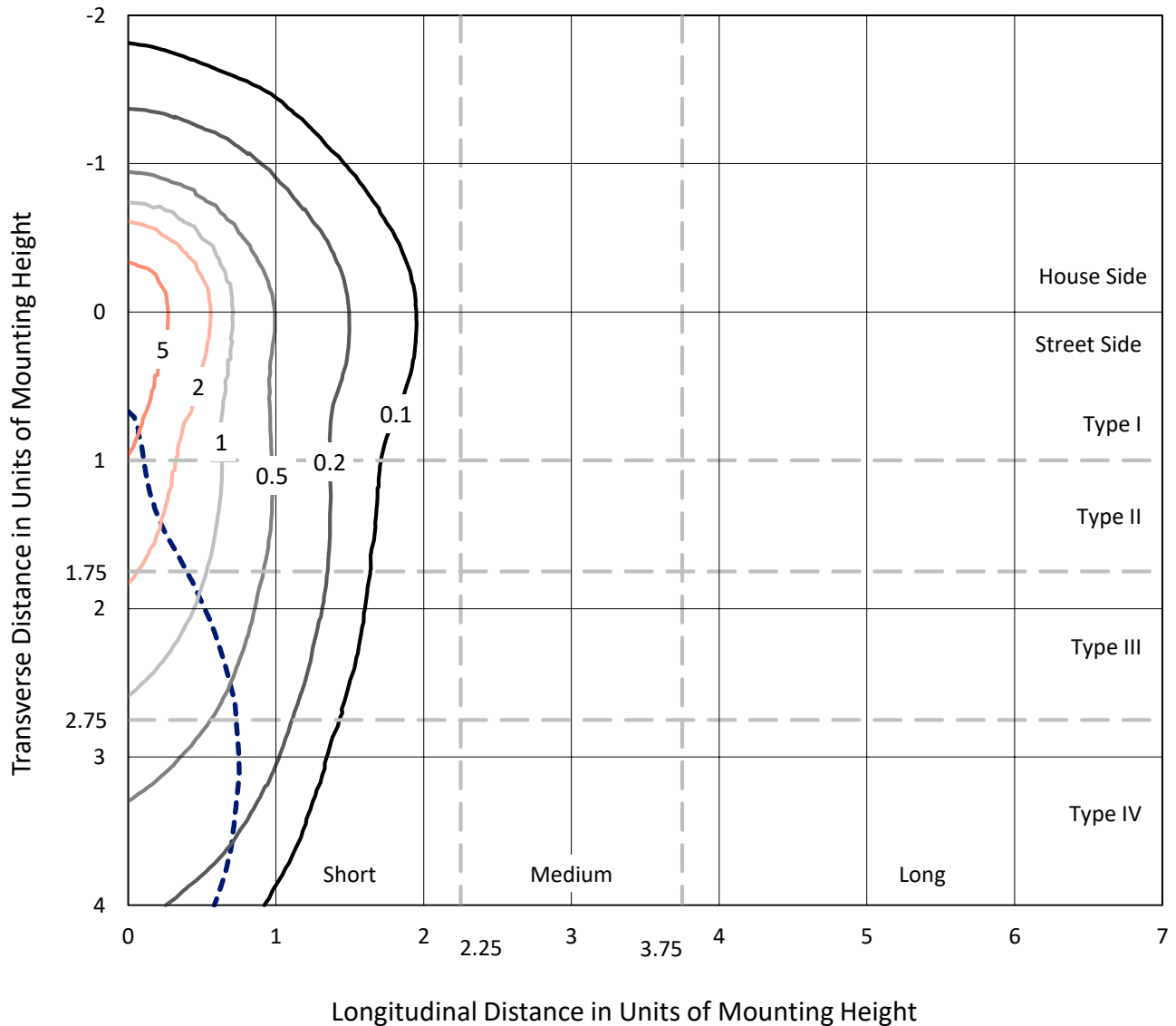
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

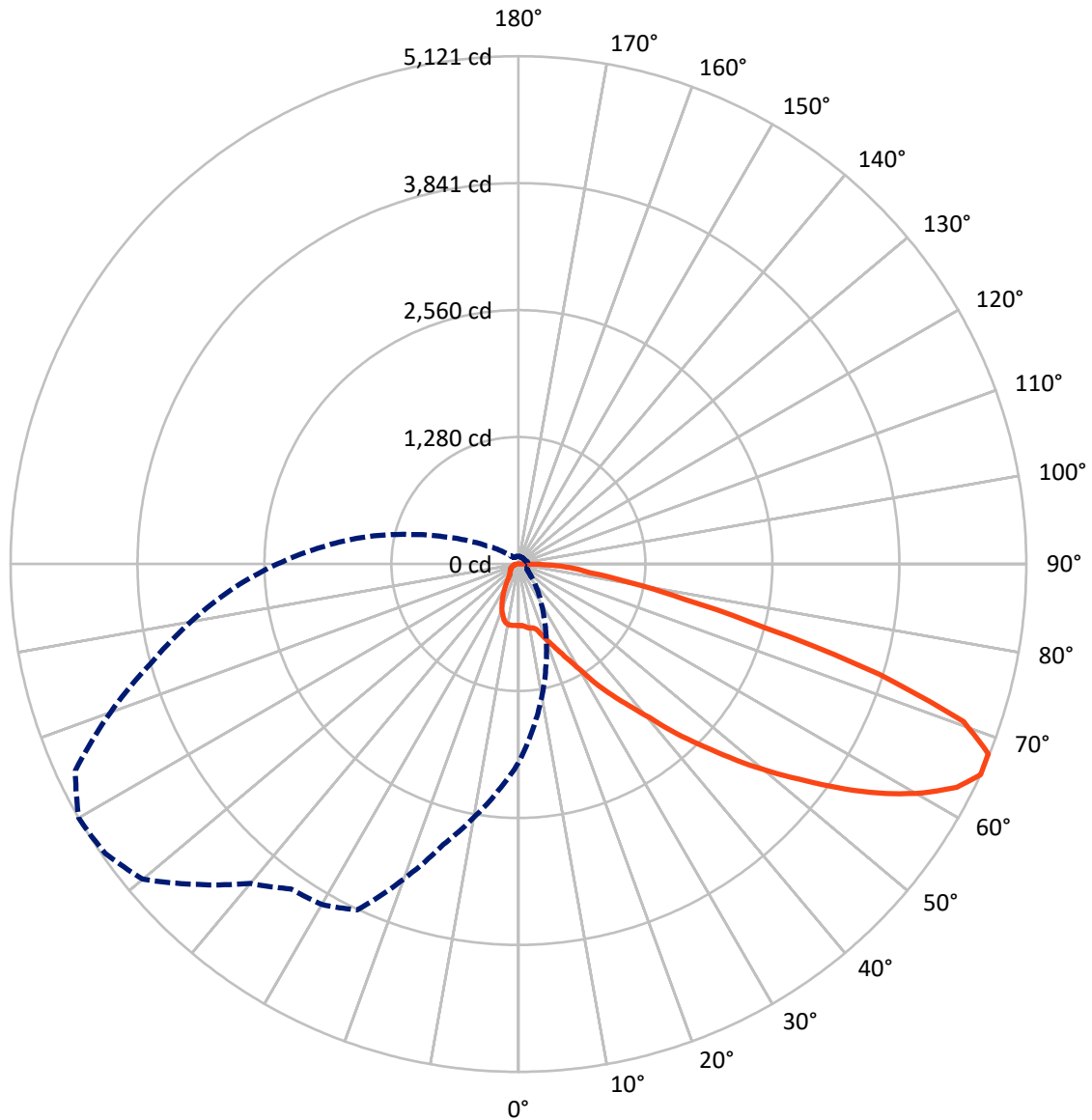
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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	886.2	0.0	886.2
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3891.6	0.0	3891.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	4777.8	0.0	4777.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.3
10°-20°	180.5	3.8
20°-30°	299.8	6.3
30°-40°	438.3	9.2
40°-50°	666.7	14.0
50°-60°	958.4	20.1
60°-70°	1178.3	24.7
70°-80°	788.3	16.5
80°-90°	207.4	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°	4777.8	100.0
0°-180°	4777.8	100.0



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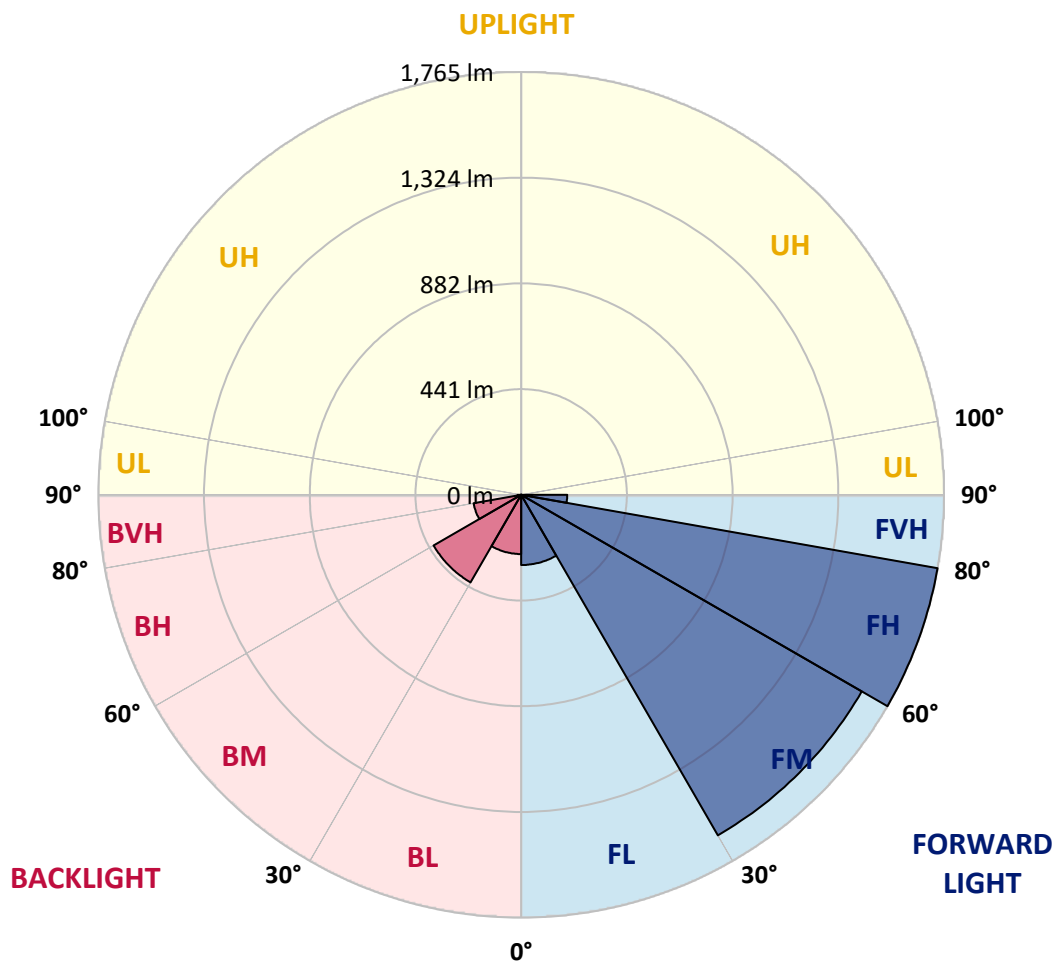
CATALOG NUMBER: ECM-E02-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.1	6.1			
FM	(30°-60°)	1641.3	34.4			
FH	(60°-80°)	1764.9	36.9			G1/1800
FVH	(80°-90°)	192.3	4.0			G2/225
BL	(0°-30°)	247.3	5.2	B1/500		
BM	(30°-60°)	422.1	8.8	B1/1000		
BH	(60°-80°)	201.7	4.2	B1/500		G1/500
BVH	(80°-90°)	15.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	621.7	623.5	623.5	622.3	621.7	622.3	622.9	622.3	622.9	624.1	623.5
5°	613.8	615.0	615.6	615.6	615.6	616.8	618.6	618.0	619.9	621.1	621.1
7.5°	594.9	597.3	597.3	597.9	599.2	601.0	604.0	605.2	608.3	612.6	613.8
10°	583.3	583.9	582.1	581.5	582.7	586.4	588.2	591.2	596.1	601.0	605.9
12.5°	586.4	587.0	583.9	584.5	584.5	586.4	591.9	594.3	596.1	599.2	604.0
15°	611.3	611.3	607.7	608.9	609.5	611.9	611.9	607.7	606.5	603.4	601.0
17.5°	644.8	640.0	639.3	638.7	641.2	638.7	633.3	623.5	611.9	599.8	590.0
20°	679.5	680.1	676.5	675.9	669.2	660.7	644.8	625.3	604.6	585.8	566.3
22.5°	731.3	732.5	725.8	712.4	697.8	675.3	646.7	616.8	587.0	560.8	538.3
25°	809.8	797.1	781.8	753.8	716.7	677.1	637.5	600.4	561.4	526.7	498.1
27.5°	887.8	862.2	821.4	775.7	723.4	672.2	625.3	575.4	529.1	487.1	454.2
30°	960.2	912.7	854.3	789.1	722.2	656.4	596.7	540.1	485.3	440.2	401.3
32.5°	1033.9	964.5	883.5	792.2	703.9	625.3	556.5	491.4	437.2	382.4	340.4
35°	1126.5	1021.7	901.2	780.6	672.2	576.6	503.0	440.8	382.4	327.0	283.1
37.5°	1211.1	1067.4	910.3	761.1	630.8	526.1	445.1	381.8	327.0	280.1	242.3
40°	1273.2	1097.2	909.1	736.2	588.8	474.3	394.6	337.3	288.0	250.9	221.6
42.5°	1321.9	1114.3	903.0	712.4	552.3	436.6	361.7	309.3	270.4	240.5	218.0
45°	1355.4	1126.5	899.3	693.5	527.9	418.3	350.7	306.9	274.0	247.2	221.6
47.5°	1384.6	1140.5	898.1	685.0	522.4	423.8	365.3	325.8	289.8	255.1	221.0
50°	1413.9	1154.5	909.1	699.0	543.1	454.2	399.4	348.9	299.6	252.7	210.7
52.5°	1454.1	1195.3	949.9	739.2	588.2	496.9	431.7	367.8	301.4	246.6	200.9
55°	1514.3	1258.6	1008.3	792.2	636.9	543.1	457.9	375.1	299.6	239.9	191.8
57.5°	1613.0	1351.8	1088.1	865.9	700.2	579.1	472.5	378.1	295.3	232.6	184.5
60°	1737.8	1458.3	1188.6	943.2	754.4	604.0	478.6	376.9	289.2	224.1	174.1
62.5°	1879.7	1575.2	1279.3	1013.8	793.4	615.6	476.2	367.2	275.2	206.4	159.5
65°	2004.5	1668.4	1355.4	1070.4	817.8	615.6	460.9	344.6	250.3	181.5	140.7
67.5°	2106.8	1746.9	1413.9	1103.3	820.2	594.3	424.4	303.8	210.7	150.4	118.7
70°	2160.4	1771.9	1432.1	1099.7	779.4	532.8	357.4	236.3	154.7	116.9	95.6
72.5°	2101.3	1712.8	1354.2	993.7	650.3	397.6	250.3	160.7	110.8	90.7	79.2
75°	1869.9	1453.4	1127.1	768.4	465.8	247.8	155.3	112.6	87.7	75.5	69.4
77.5°	1396.2	1083.2	775.7	486.5	266.7	150.4	109.0	85.9	73.7	66.4	60.9
80°	878.0	667.4	466.4	267.9	152.2	110.8	90.7	76.7	67.0	57.8	52.4
82.5°	488.9	355.6	237.5	152.8	105.9	89.5	78.5	70.6	59.7	50.5	45.1
85°	334.3	219.8	149.8	100.5	73.1	65.2	58.5	53.6	45.7	38.4	35.3
87.5°	135.8	126.7	91.9	40.2	29.8	26.8	23.7	29.2	24.4	18.9	17.7
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°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	624.7	623.5	624.1	623.5	622.9	622.3	621.7	622.3	621.1	621.7	621.7
5°	622.9	621.7	623.5	622.9	621.7	621.7	621.1	621.1	621.1	621.1	621.7
7.5°	617.4	617.4	619.3	619.3	618.0	618.0	616.8	616.2	616.2	616.8	618.0
10°	610.1	611.9	615.0	613.8	611.3	610.1	608.3	607.1	606.5	607.7	608.9
12.5°	604.6	605.9	604.0	602.2	598.5	594.3	593.7	590.6	588.8	591.9	591.9
15°	595.5	590.6	583.9	577.8	569.3	565.1	560.2	559.0	554.7	555.3	558.4
17.5°	576.0	563.2	552.9	546.8	539.5	536.4	531.0	527.9	524.9	521.8	523.7
20°	548.6	534.6	521.2	513.3	501.7	499.3	490.2	490.2	486.5	487.1	490.8
22.5°	513.9	492.6	475.6	465.8	453.6	448.8	444.5	441.5	439.6	443.3	439.0
25°	468.2	442.7	426.8	412.8	399.4	394.6	389.1	387.3	387.9	385.4	389.7
27.5°	421.4	389.7	372.6	356.8	347.1	338.5	334.3	333.1	330.6	337.3	333.7
30°	362.3	333.7	313.6	297.1	285.6	281.3	277.0	275.8	279.5	274.6	272.2
32.5°	302.6	271.6	254.5	240.5	232.0	223.5	222.2	219.8	215.6	221.0	219.8
35°	248.4	222.2	204.6	196.1	184.5	180.8	173.5	171.7	172.3	173.5	172.9
37.5°	215.6	197.3	181.5	169.9	161.4	156.5	154.1	151.6	151.6	150.4	149.8
40°	200.3	185.1	170.5	159.5	152.8	149.2	146.7	144.3	142.5	140.7	138.8
42.5°	197.9	179.6	163.2	152.2	146.1	144.9	144.3	142.5	140.0	137.0	134.6
45°	196.1	172.9	155.9	146.1	141.9	141.3	141.3	139.4	137.6	134.6	130.9
47.5°	190.0	164.4	148.0	140.7	138.8	139.4	138.8	137.0	135.8	132.7	128.5
50°	176.6	151.6	135.8	130.3	129.7	129.1	129.1	128.5	127.3	124.8	120.6
52.5°	165.0	140.0	127.3	123.6	122.4	122.4	121.2	120.6	118.1	116.3	113.3
55°	157.7	134.0	123.0	120.6	120.6	120.0	118.7	116.9	115.1	112.6	109.0
57.5°	151.0	129.1	120.0	118.1	118.7	118.1	116.9	115.7	113.3	110.2	105.9
60°	141.3	121.8	113.9	113.3	114.5	115.7	115.1	114.5	112.6	108.4	102.3
62.5°	127.3	109.6	103.5	104.7	105.9	107.2	106.6	105.9	104.1	100.5	95.0
65°	113.3	100.5	96.8	98.0	99.3	99.3	99.3	98.0	96.8	92.6	88.3
67.5°	99.9	91.9	90.7	91.9	92.6	92.6	93.2	91.9	90.1	87.1	82.8
70°	85.2	81.6	81.6	82.8	83.4	82.8	83.4	81.6	79.8	77.9	73.7
72.5°	76.1	76.1	75.5	75.5	75.5	74.3	73.7	72.5	70.6	68.8	65.2
75°	67.6	67.6	67.0	68.2	65.8	63.9	63.3	62.1	60.3	57.8	55.4
77.5°	57.8	56.6	56.6	58.5	57.8	55.4	53.6	53.0	50.5	48.1	46.9
80°	49.9	48.7	48.7	48.1	46.9	46.3	43.8	41.4	40.8	40.8	39.0
82.5°	43.8	43.2	41.4	40.2	38.4	36.5	34.7	33.5	31.7	31.1	31.7
85°	34.7	35.3	33.5	32.3	30.4	28.0	26.2	25.0	23.7	23.7	26.2
87.5°	20.1	18.9	18.9	18.3	17.7	15.8	15.8	14.0	13.4	17.0	17.7
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°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	622.3	622.3	620.5	621.7	621.1	621.7	624.1	621.7	621.1	622.9	624.7
5°	622.3	623.5	621.7	622.9	622.9	624.7	627.8	625.9	627.2	629.6	632.0
7.5°	619.9	621.7	621.7	624.1	625.9	629.0	633.3	632.0	634.5	638.1	641.2
10°	613.2	616.2	619.3	622.9	627.2	632.0	638.1	638.1	640.6	645.4	648.5
12.5°	596.7	604.6	608.3	616.8	623.5	630.8	637.5	641.8	643.6	647.9	651.5
15°	563.8	573.6	580.9	591.2	602.2	612.6	624.1	628.4	632.0	633.9	635.7
17.5°	526.1	532.8	537.7	551.1	563.2	573.0	583.9	589.4	593.7	593.7	594.9
20°	495.0	498.1	499.3	499.3	506.6	515.7	529.7	527.9	531.6	527.9	531.6
22.5°	446.9	442.1	444.5	444.5	449.4	447.5	453.0	462.2	460.9	463.4	473.7
25°	388.5	389.1	384.8	384.8	385.4	386.7	389.1	391.5	400.0	409.2	415.9
27.5°	333.1	331.9	328.8	326.4	323.9	328.2	331.2	330.6	342.8	350.1	362.3
30°	272.2	272.2	272.8	271.6	274.0	271.0	275.8	277.0	287.4	295.3	306.3
32.5°	221.6	222.9	222.9	222.2	226.5	223.5	225.9	228.9	235.6	242.3	247.8
35°	176.0	177.8	182.7	184.5	186.3	183.9	186.9	190.6	191.2	197.3	201.5
37.5°	149.2	152.2	152.8	154.1	154.1	155.9	156.5	158.9	158.9	160.7	162.0
40°	137.6	136.4	135.8	135.2	134.0	134.6	135.2	137.0	137.6	138.8	138.8
42.5°	132.1	130.3	127.3	125.4	123.0	123.0	123.0	123.0	124.8	126.0	126.0
45°	127.3	124.2	121.2	118.1	116.3	115.1	115.7	116.3	117.5	118.1	118.7
47.5°	124.2	120.0	115.1	112.0	110.2	109.0	109.6	110.2	110.2	110.8	111.4
50°	115.7	111.4	107.2	104.1	102.3	101.7	101.7	101.1	101.7	102.3	102.3
52.5°	109.0	104.7	101.1	98.0	96.2	96.2	95.6	94.4	95.0	94.4	95.0
55°	105.3	99.9	95.6	92.6	90.7	90.7	89.5	90.1	90.1	88.9	89.5
57.5°	101.1	95.6	91.9	88.3	85.9	85.9	85.2	85.9	86.5	84.6	84.6
60°	96.8	91.9	87.7	84.6	81.6	82.2	81.6	82.8	82.8	81.0	81.0
62.5°	88.9	84.6	82.2	80.4	77.9	78.5	78.5	80.4	78.5	77.3	76.7
65°	82.8	79.8	76.1	76.1	73.7	74.9	74.9	74.9	73.1	72.5	73.1
67.5°	78.5	74.9	72.5	70.0	68.2	68.8	67.6	67.6	67.0	66.4	67.6
70°	70.6	67.6	66.4	63.9	62.7	60.9	60.3	60.3	60.3	59.7	60.3
72.5°	62.7	60.3	59.1	56.6	55.4	54.2	53.6	53.0	52.4	53.0	53.0
75°	53.0	51.8	50.5	49.3	48.1	47.5	46.9	46.9	46.3	45.7	46.3
77.5°	45.7	43.8	43.2	42.0	42.6	40.8	40.2	40.8	40.8	40.8	41.4
80°	39.0	37.8	37.8	36.5	35.9	34.7	35.3	35.3	35.3	35.3	35.9
82.5°	34.1	32.9	32.9	32.3	30.4	29.2	29.8	31.1	31.1	30.4	31.7
85°	28.0	26.8	26.8	26.2	23.7	23.1	22.5	23.7	24.4	23.1	24.4
87.5°	18.3	17.0	16.4	16.4	14.0	9.7	12.8	14.0	14.0	11.6	13.4
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°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	624.1	625.3	625.3	626.6	629.0	626.6	625.3	627.2	627.2	626.6	626.6
5°	632.0	634.5	635.1	638.7	640.6	639.3	640.6	641.8	642.4	641.2	642.4
7.5°	642.4	645.4	648.5	652.7	656.4	655.8	657.6	660.0	660.7	660.7	661.9
10°	650.9	655.2	658.2	663.7	668.0	669.2	671.0	674.1	677.1	677.1	679.5
12.5°	652.7	657.6	660.7	665.5	672.8	675.3	679.5	686.8	689.9	692.3	694.1
15°	636.9	641.2	645.4	652.1	660.7	668.0	677.7	688.1	697.2	703.9	706.3
17.5°	595.5	596.1	600.4	610.1	627.8	635.7	647.9	669.2	682.0	694.1	705.7
20°	534.6	546.2	550.4	563.2	580.3	592.5	606.5	625.9	645.4	667.4	686.8
22.5°	481.0	496.3	508.4	523.7	537.7	551.7	569.3	586.4	607.7	629.0	652.1
25°	426.2	440.2	457.3	473.7	490.2	507.8	529.7	548.0	569.3	594.3	623.5
27.5°	373.3	387.9	406.7	426.2	439.6	463.4	481.6	508.4	532.8	560.2	593.1
30°	317.8	331.9	341.0	362.3	381.2	404.9	432.9	459.1	488.3	518.8	557.1
32.5°	257.6	266.1	278.9	293.5	315.4	340.4	369.6	397.6	437.8	475.6	512.1
35°	206.4	210.7	210.1	226.5	236.3	266.1	302.6	329.4	369.6	415.9	464.0
37.5°	162.6	162.0	165.6	168.1	180.2	199.7	228.3	263.0	309.3	359.3	407.4
40°	138.8	139.4	140.0	140.0	142.5	155.3	180.8	216.8	261.2	305.7	358.6
42.5°	127.9	129.1	129.7	130.9	132.1	136.4	154.7	188.2	225.9	273.4	320.9
45°	120.0	121.8	123.6	123.6	124.8	126.0	136.4	162.0	199.7	244.8	294.7
47.5°	113.3	115.1	116.3	116.9	118.1	119.3	124.8	142.5	179.0	219.8	271.6
50°	103.5	105.3	106.6	108.4	108.4	108.4	112.0	124.8	152.8	193.0	243.6
52.5°	95.6	96.8	98.6	99.9	100.5	101.1	102.9	110.2	131.5	169.3	216.8
55°	91.3	92.6	94.4	95.6	96.8	97.4	98.6	101.7	116.9	149.2	193.6
57.5°	85.9	87.7	90.1	91.3	92.6	93.2	93.8	95.0	105.3	129.7	166.2
60°	82.2	85.2	88.3	90.1	90.7	91.3	91.9	90.7	95.0	110.2	138.8
62.5°	77.9	81.0	83.4	85.9	86.5	87.1	87.7	85.9	85.2	92.6	108.4
65°	74.3	76.1	77.9	79.8	79.8	80.4	79.8	77.3	75.5	75.5	82.8
67.5°	69.4	70.6	72.5	73.1	73.1	73.1	72.5	71.9	68.8	67.6	68.8
70°	62.1	63.9	65.8	67.0	67.0	66.4	65.8	63.9	62.7	61.5	62.7
72.5°	55.4	57.8	58.5	59.1	58.5	58.5	58.5	57.2	57.8	57.8	58.5
75°	48.7	49.9	49.9	51.1	51.1	51.1	51.1	51.1	52.4	51.8	52.4
77.5°	41.4	42.0	43.2	43.2	43.2	43.8	45.1	45.1	46.3	46.9	46.9
80°	35.9	34.7	34.7	34.1	34.7	35.9	37.1	39.6	39.6	40.2	40.8
82.5°	28.6	26.2	25.0	26.2	26.2	26.8	29.2	31.7	31.7	33.5	34.1
85°	21.9	18.9	16.4	17.7	17.7	18.9	21.3	22.5	24.4	25.0	24.4
87.5°	12.8	11.0	7.3	6.1	7.3	9.1	9.7	11.0	9.1	10.4	11.0
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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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	627.8	627.8	624.7	624.7	625.3	626.6	623.5	622.9	623.5	622.9	622.3
5°	644.2	642.4	641.8	640.6	640.0	641.2	638.1	638.1	637.5	636.3	634.5
7.5°	662.5	661.3	660.0	658.8	657.6	658.2	655.2	654.6	654.0	653.3	651.5
10°	679.5	677.7	676.5	673.4	671.0	668.6	662.5	660.7	658.8	657.6	657.0
12.5°	693.5	691.7	687.4	682.0	678.3	672.2	667.4	663.1	661.3	659.4	660.0
15°	706.9	703.3	697.8	691.1	687.4	681.4	677.7	675.9	674.7	673.4	674.7
17.5°	711.2	712.4	709.4	707.5	705.1	702.7	703.3	705.1	708.8	708.8	708.8
20°	703.3	716.7	725.2	731.9	737.4	741.0	741.6	743.5	747.7	749.6	758.7
22.5°	684.4	719.1	747.7	770.9	785.5	790.4	795.8	801.9	802.5	804.4	812.9
25°	666.7	717.3	759.9	796.4	830.5	854.3	867.7	879.9	882.9	885.3	885.3
27.5°	635.7	691.7	746.5	795.2	842.1	881.7	912.7	944.4	966.3	974.2	985.8
30°	602.8	661.9	718.5	780.0	839.7	895.1	951.1	1002.2	1038.2	1065.0	1086.3
32.5°	561.4	625.3	689.9	756.9	828.1	897.5	972.4	1046.7	1114.9	1168.5	1201.4
35°	518.2	585.2	652.1	725.8	806.2	890.2	985.8	1084.5	1175.8	1262.9	1337.8
37.5°	470.7	534.0	607.1	691.1	777.6	878.0	989.5	1111.9	1238.5	1363.3	1460.1
40°	416.5	478.0	548.6	636.9	741.6	854.9	987.6	1133.2	1292.1	1447.4	1603.2
42.5°	379.3	436.0	503.6	592.5	699.0	828.7	980.3	1152.6	1340.8	1533.2	1729.3
45°	351.3	406.7	473.1	558.4	666.7	803.1	977.9	1174.6	1391.9	1612.4	1841.3
47.5°	327.0	384.2	448.2	532.2	636.9	780.0	972.4	1192.8	1434.6	1673.3	1938.7
50°	303.2	361.7	427.4	512.1	615.0	755.0	960.2	1209.3	1474.8	1736.6	2019.1
52.5°	277.0	334.9	405.5	492.0	601.0	739.2	947.4	1222.7	1513.7	1804.2	2102.5
55°	249.0	307.5	376.9	468.2	582.1	727.0	934.7	1231.2	1554.5	1865.1	2177.4
57.5°	218.6	277.0	344.6	437.8	559.0	710.6	920.7	1230.6	1584.4	1922.3	2258.4
60°	181.5	234.4	301.4	395.2	518.8	687.4	909.1	1225.7	1605.7	1972.8	2348.5
62.5°	138.2	183.3	244.8	332.5	460.9	643.0	878.6	1205.0	1608.1	2009.4	2423.4
65°	98.6	123.0	171.7	259.4	365.9	543.7	805.0	1150.2	1567.9	1983.2	2430.1
67.5°	75.5	88.9	112.6	165.0	259.4	414.1	678.3	1027.2	1443.1	1843.7	2318.1
70°	65.2	71.9	84.6	107.8	162.6	268.5	480.4	811.7	1188.6	1586.2	1991.1
72.5°	60.3	64.5	72.5	84.0	103.5	158.3	295.9	545.6	873.2	1209.3	1563.7
75°	55.4	59.7	65.8	73.1	82.8	105.9	161.4	320.9	538.9	798.9	1051.0
77.5°	49.3	53.0	60.9	67.6	73.7	82.8	102.9	178.4	296.5	478.0	629.0
80°	41.4	45.1	51.1	61.5	67.6	73.7	80.4	109.6	163.8	247.2	322.7
82.5°	34.1	35.9	40.8	49.9	55.4	58.5	60.3	71.2	93.2	121.8	177.8
85°	23.7	23.7	27.4	32.3	36.5	34.1	34.7	36.5	48.1	67.6	136.4
87.5°	9.1	6.7	8.5	10.4	10.4	9.7	11.6	11.0	15.2	28.6	39.0
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°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	0°
2.5°	622.3	622.3	621.7	621.1	620.5	620.5	619.3	621.1	620.5	621.1	621.7	2.5°
5°	635.1	633.9	632.6	631.4	631.4	630.2	628.4	627.8	625.3	624.7	622.9	5°
7.5°	653.3	653.3	653.3	652.1	649.7	646.7	643.0	640.6	633.9	629.0	623.5	7.5°
10°	658.2	659.4	660.0	660.7	658.2	657.6	653.3	648.5	640.6	633.3	625.9	10°
12.5°	660.0	662.5	663.1	663.7	661.9	660.7	656.4	653.3	646.7	639.3	635.7	12.5°
15°	677.1	681.4	686.2	685.6	691.1	685.0	681.4	682.0	674.7	666.7	664.3	15°
17.5°	720.9	722.8	733.1	733.7	742.2	744.7	738.6	731.9	727.6	722.8	712.4	17.5°
20°	768.4	781.8	785.5	803.7	812.3	816.5	817.1	817.1	809.2	787.9	779.4	20°
22.5°	820.2	840.3	862.2	873.8	891.4	893.9	903.0	897.5	891.4	875.0	855.5	22.5°
25°	903.6	915.2	934.7	963.9	972.4	990.1	986.4	994.3	980.9	952.3	940.8	25°
27.5°	996.8	1016.9	1044.3	1071.7	1083.8	1103.3	1091.1	1103.3	1081.4	1073.5	1045.5	27.5°
30°	1098.5	1125.9	1174.6	1208.7	1233.6	1247.0	1239.1	1232.4	1226.3	1211.7	1209.9	30°
32.5°	1223.3	1256.2	1302.4	1346.9	1390.7	1436.4	1447.4	1457.1	1479.6	1435.2	1391.9	32.5°
35°	1377.3	1402.3	1454.1	1505.2	1565.5	1622.7	1717.1	1740.8	1710.4	1657.4	1588.0	35°
37.5°	1527.7	1584.4	1636.1	1697.0	1742.1	1807.8	1849.8	1896.7	1871.2	1821.8	1742.1	37.5°
40°	1712.2	1788.9	1859.6	1934.5	1985.6	2036.8	2115.9	2167.1	2162.2	2100.7	1992.9	40°
42.5°	1881.5	2003.3	2120.2	2176.2	2244.4	2337.0	2395.4	2477.0	2482.5	2411.2	2274.2	42.5°
45°	2058.7	2200.6	2343.0	2453.3	2511.1	2625.6	2759.5	2848.4	2875.8	2740.1	2600.0	45°
47.5°	2197.5	2418.6	2609.7	2727.3	2835.0	2953.2	3125.5	3254.0	3243.0	3059.7	2874.6	47.5°
50°	2319.3	2600.6	2832.0	3025.6	3154.7	3291.1	3518.2	3671.7	3618.1	3384.9	3153.5	50°
52.5°	2429.5	2759.5	3045.7	3285.6	3436.0	3630.9	3917.7	4051.6	3899.4	3674.1	3387.9	52.5°
55°	2530.6	2903.2	3235.7	3524.3	3756.3	4007.8	4276.9	4368.9	4152.1	3873.8	3610.8	55°
57.5°	2623.8	3036.6	3410.5	3756.9	4068.1	4368.3	4602.7	4608.8	4336.6	4027.9	3777.0	57.5°
60°	2735.8	3159.0	3593.1	3998.0	4377.4	4689.1	4826.1	4782.9	4455.3	4143.0	3891.5	60°
62.5°	2844.2	3269.2	3742.3	4230.0	4687.3	4959.5	4986.9	4895.6	4536.9	4196.5	3977.3	62.5°
65°	2897.8	3353.2	3825.7	4377.4	4929.7	5120.9	5087.4	4944.3	4569.8	4204.5	3999.3	65°
67.5°	2819.2	3274.7	3746.0	4313.4	4928.4	5110.5	5024.0	4851.1	4490.0	4096.7	3897.6	67.5°
70°	2530.0	2971.4	3355.6	3889.7	4581.4	4761.0	4631.3	4460.2	4158.2	3773.4	3682.6	70°
72.5°	2128.7	2456.3	2777.8	3172.4	3646.7	3803.8	3632.7	3717.9	3640.0	3267.4	3184.5	72.5°
75°	1597.8	1904.0	2029.5	2150.6	2478.2	2572.0	2506.2	2798.5	2878.3	2723.0	2511.7	75°
77.5°	1045.5	1367.0	1390.1	1392.6	1526.5	1706.1	1944.2	2248.1	2399.1	2329.0	2072.7	77.5°
80°	609.5	963.3	861.6	828.7	947.4	1147.8	1462.0	1842.5	2042.3	2056.9	1812.1	80°
82.5°	306.3	604.0	523.0	517.6	584.5	732.5	962.1	1174.6	1434.6	1446.7	1479.0	82.5°
85°	238.1	415.3	425.0	460.9	507.8	569.3	586.4	624.1	769.0	903.0	937.7	85°
87.5°	123.6	305.7	360.5	419.5	414.1	339.2	286.2	308.7	359.3	378.7	492.0	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°
621.1	621.1	621.1	621.1	621.1	621.1	621.1
620.5	621.7	621.1	621.7	622.3	622.3	621.7
619.9	619.3	616.8	615.6	615.6	614.4	613.8
616.2	611.9	605.9	602.2	599.8	597.9	594.9
616.8	609.5	601.6	596.1	590.6	587.0	583.3
624.7	615.6	608.3	599.8	595.5	590.6	586.4
652.1	640.0	631.4	623.5	618.6	615.0	611.3
696.0	681.4	667.4	660.0	651.5	645.4	644.8
755.0	733.7	715.5	699.0	691.1	681.4	679.5
822.0	791.0	771.5	753.2	742.2	730.7	731.3
907.3	876.2	844.5	825.7	809.8	811.7	809.8
1009.6	985.2	948.7	925.5	920.7	901.8	887.8
1169.1	1132.6	1088.1	1046.7	1020.5	989.5	960.2
1325.6	1258.0	1198.9	1158.7	1125.2	1079.6	1033.9
1480.2	1402.3	1347.5	1313.4	1261.6	1197.7	1126.5
1664.1	1613.0	1574.0	1490.6	1416.9	1318.9	1211.1
1929.6	1865.1	1771.9	1666.0	1559.4	1420.6	1273.2
2193.9	2115.9	1985.6	1829.7	1676.9	1509.5	1321.9
2480.7	2330.3	2160.4	1971.6	1783.5	1575.8	1355.4
2706.6	2519.0	2307.1	2080.6	1868.1	1630.6	1384.6
2937.3	2710.8	2444.7	2189.6	1944.8	1675.1	1413.9
3118.8	2866.1	2585.4	2288.9	2016.1	1725.0	1454.1
3300.2	3020.8	2711.4	2388.1	2104.4	1794.4	1514.3
3451.2	3160.8	2833.2	2496.5	2206.7	1887.0	1613.0
3650.4	3357.5	2976.3	2625.0	2322.3	2013.0	1737.8
3839.7	3588.2	3175.4	2776.0	2463.6	2155.5	1879.7
3964.5	3848.9	3379.4	2927.6	2596.4	2288.9	2004.5
3967.0	4014.5	3594.3	3050.6	2720.6	2433.8	2106.8
3871.4	4037.6	3640.0	3061.6	2779.6	2498.3	2160.4
3540.8	3752.7	3366.6	2845.4	2670.0	2447.8	2101.3
2738.8	2892.3	2692.6	2411.9	2417.9	2288.2	1869.9
1896.1	2041.0	1873.0	1813.3	1946.7	1874.2	1396.2
1436.4	1249.5	1183.7	1215.4	1381.6	1373.7	878.0
1279.3	945.6	784.3	823.2	975.5	890.8	488.9
1049.1	943.2	788.5	713.0	743.5	608.3	334.3
604.0	689.9	562.0	529.7	460.9	274.0	135.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)