

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: P141554

Luminaire Tested: **ECM-F02-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141554
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-F02-LED-E1-SLR-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3944.2 lumens
Efficiency: N/A
Efficacy: 71.7 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

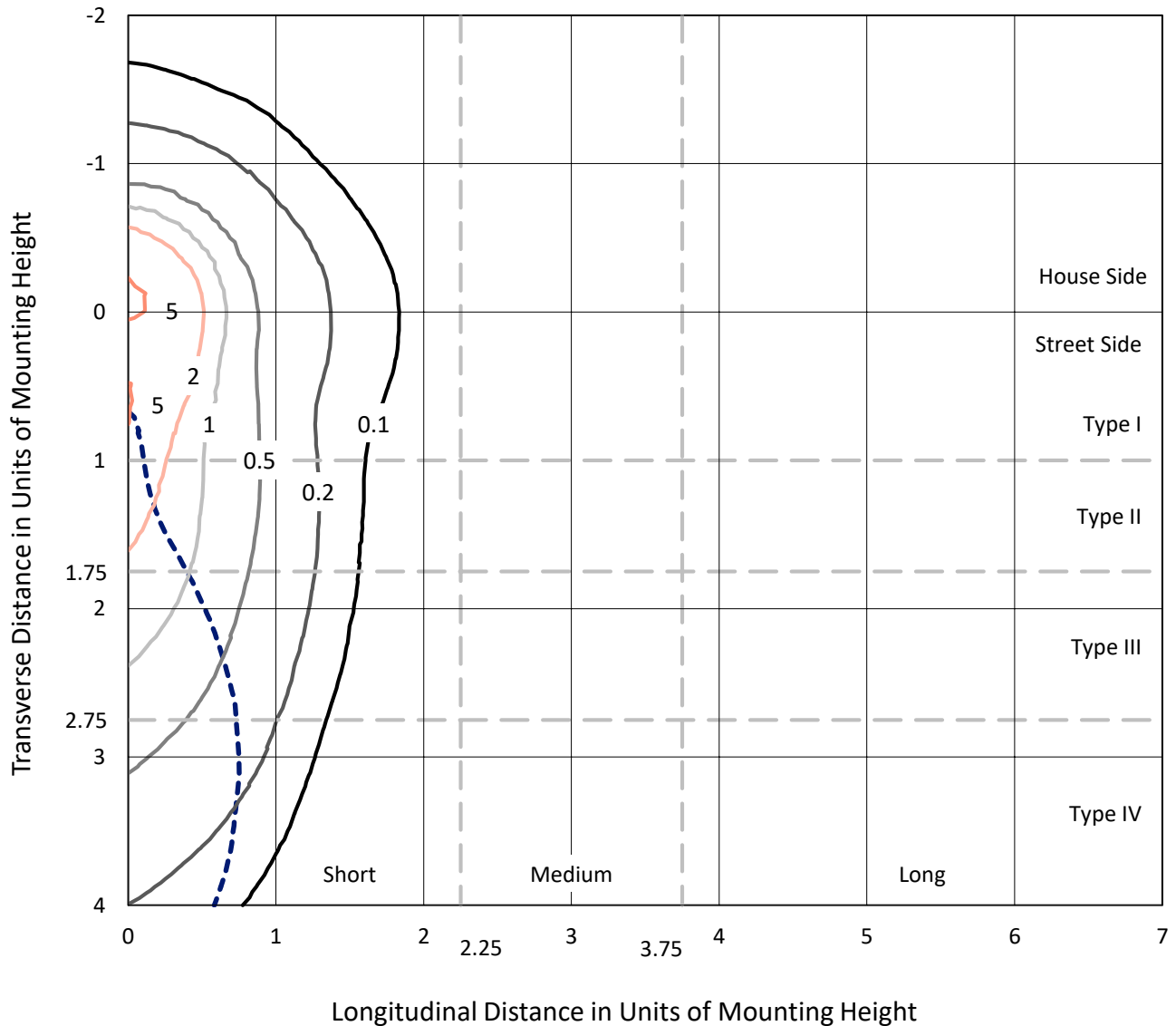
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

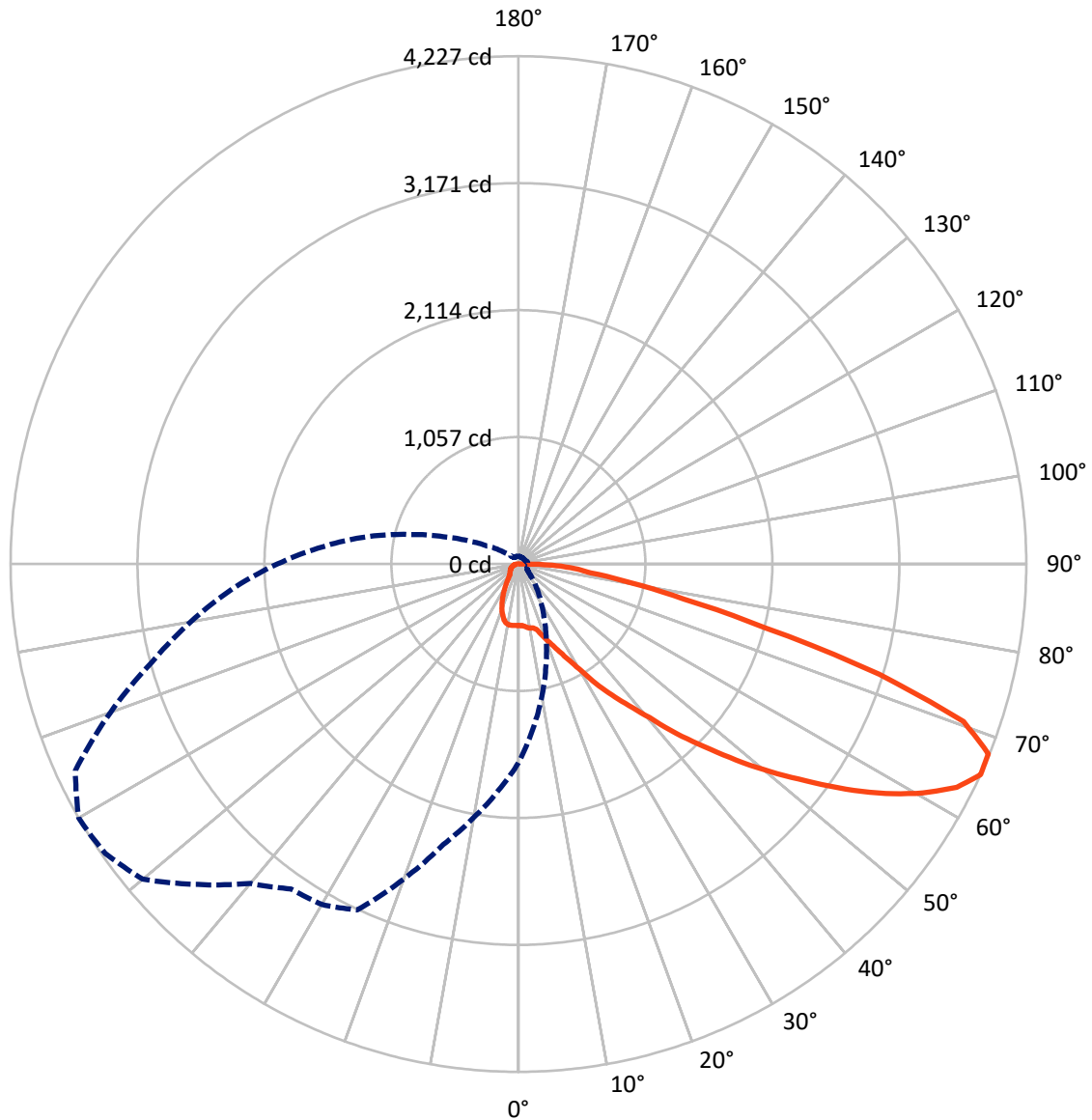
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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	731.6	0.0	731.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3212.6	0.0	3212.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	3944.2	0.0	3944.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.3
10°-20°	149.0	3.8
20°-30°	247.5	6.3
30°-40°	361.8	9.2
40°-50°	550.4	14.0
50°-60°	791.2	20.1
60°-70°	972.7	24.7
70°-80°	650.7	16.5
80°-90°	171.2	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°	3944.2	100.0
0°-180°	3944.2	100.0



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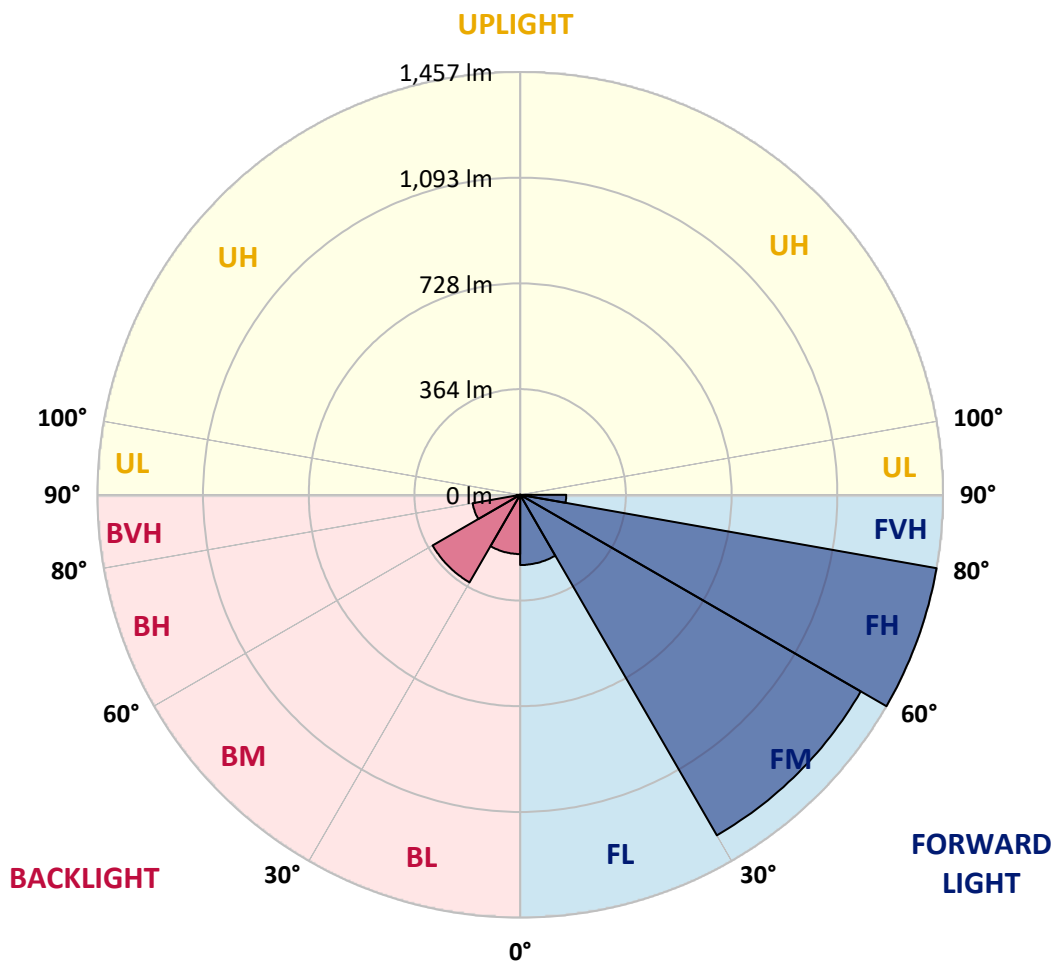
CATALOG NUMBER: ECM-F02-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.9	6.1			
FM	(30°-60°)	1355.0	34.4			
FH	(60°-80°)	1457.0	36.9			G1/1800
FVH	(80°-90°)	158.8	4.0			G2/225
BL	(0°-30°)	204.2	5.2	B1/500		
BM	(30°-60°)	348.5	8.8	B1/1000		
BH	(60°-80°)	166.5	4.2	B1/500		G1/500
BVH	(80°-90°)	12.4	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°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	513.2	514.7	514.7	513.7	513.2	513.7	514.2	513.7	514.2	515.2	514.7
5°	506.7	507.7	508.2	508.2	508.2	509.2	510.7	510.2	511.7	512.7	512.7
7.5°	491.1	493.1	493.1	493.6	494.6	496.1	498.6	499.6	502.2	505.7	506.7
10°	481.6	482.1	480.5	480.0	481.0	484.1	485.6	488.1	492.1	496.1	500.1
12.5°	484.1	484.6	482.1	482.6	482.6	484.1	488.6	490.6	492.1	494.6	498.6
15°	504.7	504.7	501.7	502.7	503.2	505.2	505.2	501.7	500.7	498.1	496.1
17.5°	532.3	528.3	527.8	527.3	529.3	527.3	522.8	514.7	505.2	495.1	487.1
20°	561.0	561.5	558.5	558.0	552.4	545.4	532.3	516.2	499.1	483.6	467.5
22.5°	603.7	604.7	599.2	588.1	576.1	557.5	533.8	509.2	484.6	463.0	444.4
25°	668.5	658.0	645.4	622.3	591.6	559.0	526.3	495.6	463.5	434.8	411.2
27.5°	732.9	711.8	678.1	640.4	597.2	554.9	516.2	475.0	436.8	402.1	375.0
30°	792.7	753.5	705.2	651.5	596.2	541.9	492.6	445.9	400.6	363.4	331.3
32.5°	853.5	796.2	729.4	654.0	581.1	516.2	459.4	405.6	360.9	315.7	281.0
35°	929.9	843.5	743.9	644.4	554.9	476.0	415.2	363.9	315.7	269.9	233.7
37.5°	999.8	881.2	751.5	628.3	520.8	434.3	367.4	315.2	269.9	231.2	200.1
40°	1051.1	905.8	750.5	607.7	486.1	391.6	325.7	278.5	237.8	207.1	183.0
42.5°	1091.3	919.9	745.4	588.1	455.9	360.4	298.6	255.4	223.2	198.6	180.0
45°	1118.9	929.9	742.4	572.5	435.8	345.3	289.5	253.3	226.2	204.1	183.0
47.5°	1143.1	941.5	741.4	565.5	431.3	349.9	301.6	268.9	239.3	210.6	182.5
50°	1167.2	953.0	750.5	577.1	448.4	375.0	329.7	288.0	247.3	208.6	173.9
52.5°	1200.4	986.7	784.2	610.2	485.6	410.2	356.4	303.6	248.8	203.6	165.9
55°	1250.1	1039.0	832.4	654.0	525.8	448.4	378.0	309.6	247.3	198.0	158.3
57.5°	1331.6	1115.9	898.3	714.8	578.1	478.0	390.1	312.2	243.8	192.0	152.3
60°	1434.6	1203.9	981.2	778.6	622.8	498.6	395.1	311.1	238.8	185.0	143.8
62.5°	1551.7	1300.4	1056.1	836.9	655.0	508.2	393.1	303.1	227.2	170.4	131.7
65°	1654.8	1377.3	1118.9	883.7	675.1	508.2	380.5	284.5	206.6	149.8	116.1
67.5°	1739.2	1442.1	1167.2	910.8	677.1	490.6	350.4	250.8	173.9	124.2	98.0
70°	1783.4	1462.7	1182.3	907.8	643.4	439.8	295.1	195.0	127.7	96.5	78.9
72.5°	1734.7	1414.0	1117.9	820.3	536.8	328.2	206.6	132.7	91.5	74.9	65.3
75°	1543.7	1199.9	930.4	634.4	384.5	204.6	128.2	93.0	72.4	62.3	57.3
77.5°	1152.6	894.2	640.4	401.6	220.2	124.2	90.0	70.9	60.8	54.8	50.3
80°	724.8	550.9	385.0	221.2	125.7	91.5	74.9	63.3	55.3	47.8	43.2
82.5°	403.6	293.6	196.0	126.2	87.5	73.9	64.8	58.3	49.3	41.7	37.2
85°	276.0	181.5	123.7	82.9	60.3	53.8	48.3	44.2	37.7	31.7	29.2
87.5°	112.1	104.6	75.9	33.2	24.6	22.1	19.6	24.1	20.1	15.6	14.6
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°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	515.7	514.7	515.2	514.7	514.2	513.7	513.2	513.7	512.7	513.2	513.2
5°	514.2	513.2	514.7	514.2	513.2	513.2	512.7	512.7	512.7	512.7	513.2
7.5°	509.7	509.7	511.2	511.2	510.2	510.2	509.2	508.7	508.7	509.2	510.2
10°	503.7	505.2	507.7	506.7	504.7	503.7	502.2	501.2	500.7	501.7	502.7
12.5°	499.1	500.1	498.6	497.1	494.1	490.6	490.1	487.6	486.1	488.6	488.6
15°	491.6	487.6	482.1	477.0	470.0	466.5	462.4	461.4	457.9	458.4	460.9
17.5°	475.5	465.0	456.4	451.4	445.4	442.8	438.3	435.8	433.3	430.8	432.3
20°	452.9	441.3	430.3	423.7	414.2	412.2	404.6	404.6	401.6	402.1	405.1
22.5°	424.2	406.7	392.6	384.5	374.5	370.5	366.9	364.4	362.9	365.9	362.4
25°	386.5	365.4	352.4	340.8	329.7	325.7	321.2	319.7	320.2	318.2	321.7
27.5°	347.8	321.7	307.6	294.6	286.5	279.5	276.0	275.0	272.9	278.5	275.5
30°	299.1	275.5	258.9	245.3	235.7	232.2	228.7	227.7	230.7	226.7	224.7
32.5°	249.8	224.2	210.1	198.6	191.5	184.5	183.5	181.5	177.9	182.5	181.5
35°	205.1	183.5	168.9	161.9	152.3	149.3	143.3	141.8	142.3	143.3	142.8
37.5°	177.9	162.9	149.8	140.2	133.2	129.2	127.2	125.2	125.2	124.2	123.7
40°	165.4	152.8	140.7	131.7	126.2	123.2	121.1	119.1	117.6	116.1	114.6
42.5°	163.4	148.3	134.7	125.7	120.6	119.6	119.1	117.6	115.6	113.1	111.1
45°	161.9	142.8	128.7	120.6	117.1	116.6	116.6	115.1	113.6	111.1	108.1
47.5°	156.8	135.7	122.1	116.1	114.6	115.1	114.6	113.1	112.1	109.6	106.1
50°	145.8	125.2	112.1	107.6	107.1	106.6	106.6	106.1	105.1	103.0	99.5
52.5°	136.2	115.6	105.1	102.0	101.0	101.0	100.0	99.5	97.5	96.0	93.5
55°	130.2	110.6	101.5	99.5	99.5	99.0	98.0	96.5	95.0	93.0	90.0
57.5°	124.7	106.6	99.0	97.5	98.0	97.5	96.5	95.5	93.5	91.0	87.5
60°	116.6	100.5	94.0	93.5	94.5	95.5	95.0	94.5	93.0	89.5	84.4
62.5°	105.1	90.5	85.5	86.5	87.5	88.5	88.0	87.5	86.0	82.9	78.4
65°	93.5	82.9	79.9	80.9	81.9	81.9	81.9	80.9	79.9	76.4	72.9
67.5°	82.4	75.9	74.9	75.9	76.4	76.4	76.9	75.9	74.4	71.9	68.4
70°	70.4	67.4	67.4	68.4	68.9	68.4	68.9	67.4	65.8	64.3	60.8
72.5°	62.8	62.8	62.3	62.3	62.3	61.3	60.8	59.8	58.3	56.8	53.8
75°	55.8	55.8	55.3	56.3	54.3	52.8	52.3	51.3	49.8	47.8	45.7
77.5°	47.8	46.7	46.7	48.3	47.8	45.7	44.2	43.7	41.7	39.7	38.7
80°	41.2	40.2	40.2	39.7	38.7	38.2	36.2	34.2	33.7	33.7	32.2
82.5°	36.2	35.7	34.2	33.2	31.7	30.2	28.7	27.6	26.1	25.6	26.1
85°	28.7	29.2	27.6	26.6	25.1	23.1	21.6	20.6	19.6	19.6	21.6
87.5°	16.6	15.6	15.6	15.1	14.6	13.1	13.1	11.6	11.1	14.1	14.6
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°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	513.7	513.7	512.2	513.2	512.7	513.2	515.2	513.2	512.7	514.2	515.7
5°	513.7	514.7	513.2	514.2	514.2	515.7	518.2	516.7	517.7	519.8	521.8
7.5°	511.7	513.2	513.2	515.2	516.7	519.3	522.8	521.8	523.8	526.8	529.3
10°	506.2	508.7	511.2	514.2	517.7	521.8	526.8	526.8	528.8	532.8	535.3
12.5°	492.6	499.1	502.2	509.2	514.7	520.8	526.3	529.8	531.3	534.8	537.8
15°	465.5	473.5	479.5	488.1	497.1	505.7	515.2	518.7	521.8	523.3	524.8
17.5°	434.3	439.8	443.9	454.9	465.0	473.0	482.1	486.6	490.1	490.1	491.1
20°	408.7	411.2	412.2	412.2	418.2	425.8	437.3	435.8	438.8	435.8	438.8
22.5°	369.0	364.9	366.9	366.9	371.0	369.5	374.0	381.5	380.5	382.5	391.1
25°	320.7	321.2	317.7	317.7	318.2	319.2	321.2	323.2	330.2	337.8	343.3
27.5°	275.0	274.0	271.4	269.4	267.4	270.9	273.4	272.9	283.0	289.0	299.1
30°	224.7	224.7	225.2	224.2	226.2	223.7	227.7	228.7	237.3	243.8	252.8
32.5°	183.0	184.0	184.0	183.5	187.0	184.5	186.5	189.0	194.5	200.1	204.6
35°	145.3	146.8	150.8	152.3	153.8	151.8	154.3	157.3	157.8	162.9	166.4
37.5°	123.2	125.7	126.2	127.2	127.2	128.7	129.2	131.2	131.2	132.7	133.7
40°	113.6	112.6	112.1	111.6	110.6	111.1	111.6	113.1	113.6	114.6	114.6
42.5°	109.1	107.6	105.1	103.5	101.5	101.5	101.5	101.5	103.0	104.1	104.1
45°	105.1	102.5	100.0	97.5	96.0	95.0	95.5	96.0	97.0	97.5	98.0
47.5°	102.5	99.0	95.0	92.5	91.0	90.0	90.5	91.0	91.0	91.5	92.0
50°	95.5	92.0	88.5	86.0	84.4	83.9	83.9	83.4	83.9	84.4	84.4
52.5°	90.0	86.5	83.4	80.9	79.4	79.4	78.9	77.9	78.4	77.9	78.4
55°	87.0	82.4	78.9	76.4	74.9	74.9	73.9	74.4	74.4	73.4	73.9
57.5°	83.4	78.9	75.9	72.9	70.9	70.9	70.4	70.9	71.4	69.9	69.9
60°	79.9	75.9	72.4	69.9	67.4	67.9	67.4	68.4	68.4	66.9	66.9
62.5°	73.4	69.9	67.9	66.4	64.3	64.8	64.8	66.4	64.8	63.8	63.3
65°	68.4	65.8	62.8	62.8	60.8	61.8	61.8	61.8	60.3	59.8	60.3
67.5°	64.8	61.8	59.8	57.8	56.3	56.8	55.8	55.8	55.3	54.8	55.8
70°	58.3	55.8	54.8	52.8	51.8	50.3	49.8	49.8	49.8	49.3	49.8
72.5°	51.8	49.8	48.8	46.7	45.7	44.7	44.2	43.7	43.2	43.7	43.7
75°	43.7	42.7	41.7	40.7	39.7	39.2	38.7	38.7	38.2	37.7	38.2
77.5°	37.7	36.2	35.7	34.7	35.2	33.7	33.2	33.7	33.7	33.7	34.2
80°	32.2	31.2	31.2	30.2	29.7	28.7	29.2	29.2	29.2	29.2	29.7
82.5°	28.1	27.1	27.1	26.6	25.1	24.1	24.6	25.6	25.6	25.1	26.1
85°	23.1	22.1	22.1	21.6	19.6	19.1	18.6	19.6	20.1	19.1	20.1
87.5°	15.1	14.1	13.6	13.6	11.6	8.0	10.6	11.6	11.6	9.6	11.1
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	515.2	516.2	516.2	517.2	519.3	517.2	516.2	517.7	517.7	517.2	517.2
5°	521.8	523.8	524.3	527.3	528.8	527.8	528.8	529.8	530.3	529.3	530.3
7.5°	530.3	532.8	535.3	538.9	541.9	541.4	542.9	544.9	545.4	545.4	546.4
10°	537.3	540.9	543.4	547.9	551.4	552.4	553.9	556.4	559.0	559.0	561.0
12.5°	538.9	542.9	545.4	549.4	555.4	557.5	561.0	567.0	569.5	571.5	573.0
15°	525.8	529.3	532.8	538.4	545.4	551.4	559.5	568.0	575.5	581.1	583.1
17.5°	491.6	492.1	495.6	503.7	518.2	524.8	534.8	552.4	563.0	573.0	582.6
20°	441.3	450.9	454.4	465.0	479.0	489.1	500.7	516.7	532.8	550.9	567.0
22.5°	397.1	409.7	419.7	432.3	443.9	455.4	470.0	484.1	501.7	519.3	538.4
25°	351.9	363.4	377.5	391.1	404.6	419.2	437.3	452.4	470.0	490.6	514.7
27.5°	308.1	320.2	335.8	351.9	362.9	382.5	397.6	419.7	439.8	462.4	489.6
30°	262.4	274.0	281.5	299.1	314.7	334.3	357.4	379.0	403.1	428.3	459.9
32.5°	212.6	219.7	230.2	242.3	260.4	281.0	305.1	328.2	361.4	392.6	422.7
35°	170.4	173.9	173.4	187.0	195.0	219.7	249.8	271.9	305.1	343.3	383.0
37.5°	134.2	133.7	136.7	138.7	148.8	164.9	188.5	217.2	255.4	296.6	336.3
40°	114.6	115.1	115.6	115.6	117.6	128.2	149.3	178.9	215.6	252.3	296.1
42.5°	105.6	106.6	107.1	108.1	109.1	112.6	127.7	155.3	186.5	225.7	264.9
45°	99.0	100.5	102.0	102.0	103.0	104.1	112.6	133.7	164.9	202.1	243.3
47.5°	93.5	95.0	96.0	96.5	97.5	98.5	103.0	117.6	147.8	181.5	224.2
50°	85.5	87.0	88.0	89.5	89.5	89.5	92.5	103.0	126.2	159.3	201.1
52.5°	78.9	79.9	81.4	82.4	82.9	83.4	84.9	91.0	108.6	139.7	178.9
55°	75.4	76.4	77.9	78.9	79.9	80.4	81.4	83.9	96.5	123.2	159.8
57.5°	70.9	72.4	74.4	75.4	76.4	76.9	77.4	78.4	87.0	107.1	137.2
60°	67.9	70.4	72.9	74.4	74.9	75.4	75.9	74.9	78.4	91.0	114.6
62.5°	64.3	66.9	68.9	70.9	71.4	71.9	72.4	70.9	70.4	76.4	89.5
65°	61.3	62.8	64.3	65.8	65.8	66.4	65.8	63.8	62.3	62.3	68.4
67.5°	57.3	58.3	59.8	60.3	60.3	60.3	59.8	59.3	56.8	55.8	56.8
70°	51.3	52.8	54.3	55.3	55.3	54.8	54.3	52.8	51.8	50.8	51.8
72.5°	45.7	47.8	48.3	48.8	48.3	48.3	48.3	47.3	47.8	47.8	48.3
75°	40.2	41.2	41.2	42.2	42.2	42.2	42.2	42.2	43.2	42.7	43.2
77.5°	34.2	34.7	35.7	35.7	35.7	36.2	37.2	37.2	38.2	38.7	38.7
80°	29.7	28.7	28.7	28.1	28.7	29.7	30.7	32.7	32.7	33.2	33.7
82.5°	23.6	21.6	20.6	21.6	21.6	22.1	24.1	26.1	26.1	27.6	28.1
85°	18.1	15.6	13.6	14.6	14.6	15.6	17.6	18.6	20.1	20.6	20.1
87.5°	10.6	9.0	6.0	5.0	6.0	7.5	8.0	9.0	7.5	8.5	9.0
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°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	518.2	518.2	515.7	515.7	516.2	517.2	514.7	514.2	514.7	514.2	513.7
5°	531.8	530.3	529.8	528.8	528.3	529.3	526.8	526.8	526.3	525.3	523.8
7.5°	546.9	545.9	544.9	543.9	542.9	543.4	540.9	540.4	539.9	539.4	537.8
10°	561.0	559.5	558.5	555.9	553.9	551.9	546.9	545.4	543.9	542.9	542.4
12.5°	572.5	571.0	567.5	563.0	560.0	554.9	550.9	547.4	545.9	544.4	544.9
15°	583.6	580.6	576.1	570.5	567.5	562.5	559.5	558.0	556.9	555.9	556.9
17.5°	587.1	588.1	585.6	584.1	582.1	580.1	580.6	582.1	585.1	585.1	585.1
20°	580.6	591.6	598.7	604.2	608.7	611.7	612.2	613.8	617.3	618.8	626.3
22.5°	565.0	593.6	617.3	636.4	648.4	652.5	657.0	662.0	662.5	664.0	671.1
25°	550.4	592.1	627.3	657.5	685.6	705.2	716.3	726.3	728.9	730.9	730.9
27.5°	524.8	571.0	616.3	656.5	695.2	727.9	753.5	779.6	797.7	804.3	813.8
30°	497.6	546.4	593.1	643.9	693.2	738.9	785.2	827.4	857.0	879.2	896.7
32.5°	463.5	516.2	569.5	624.8	683.6	740.9	802.8	864.1	920.4	964.6	991.8
35°	427.8	483.1	538.4	599.2	665.5	734.9	813.8	895.2	970.6	1042.5	1104.3
37.5°	388.6	440.8	501.2	570.5	641.9	724.8	816.8	917.9	1022.4	1125.5	1205.4
40°	343.8	394.6	452.9	525.8	612.2	705.7	815.3	935.5	1066.6	1194.8	1323.5
42.5°	313.2	359.9	415.7	489.1	577.1	684.1	809.3	951.5	1106.9	1265.7	1427.6
45°	290.0	335.8	390.6	460.9	550.4	663.0	807.3	969.6	1149.1	1331.0	1520.1
47.5°	269.9	317.2	370.0	439.3	525.8	643.9	802.8	984.7	1184.3	1381.3	1600.5
50°	250.3	298.6	352.9	422.7	507.7	623.3	792.7	998.3	1217.4	1433.6	1666.8
52.5°	228.7	276.5	334.8	406.2	496.1	610.2	782.1	1009.3	1249.6	1489.4	1735.7
55°	205.6	253.8	311.1	386.5	480.5	600.2	771.6	1016.4	1283.3	1539.7	1797.5
57.5°	180.5	228.7	284.5	361.4	461.4	586.6	760.0	1015.9	1307.9	1586.9	1864.4
60°	149.8	193.5	248.8	326.2	428.3	567.5	750.5	1011.9	1325.5	1628.6	1938.8
62.5°	114.1	151.3	202.1	274.5	380.5	530.8	725.3	994.8	1327.5	1658.8	2000.6
65°	81.4	101.5	141.8	214.1	302.1	448.9	664.5	949.5	1294.4	1637.2	2006.1
67.5°	62.3	73.4	93.0	136.2	214.1	341.8	560.0	848.0	1191.3	1522.1	1913.6
70°	53.8	59.3	69.9	89.0	134.2	221.7	396.6	670.0	981.2	1309.4	1643.7
72.5°	49.8	53.3	59.8	69.4	85.5	130.7	244.3	450.4	720.8	998.3	1290.8
75°	45.7	49.3	54.3	60.3	68.4	87.5	133.2	264.9	444.9	659.5	867.6
77.5°	40.7	43.7	50.3	55.8	60.8	68.4	84.9	147.3	244.8	394.6	519.3
80°	34.2	37.2	42.2	50.8	55.8	60.8	66.4	90.5	135.2	204.1	266.4
82.5°	28.1	29.7	33.7	41.2	45.7	48.3	49.8	58.8	76.9	100.5	146.8
85°	19.6	19.6	22.6	26.6	30.2	28.1	28.7	30.2	39.7	55.8	112.6
87.5°	7.5	5.5	7.0	8.5	8.5	8.0	9.6	9.0	12.6	23.6	32.2
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	0°
2.5°	513.7	513.7	513.2	512.7	512.2	512.2	511.2	512.7	512.2	512.7	513.2	2.5°
5°	524.3	523.3	522.3	521.3	521.3	520.3	518.7	518.2	516.2	515.7	514.2	5°
7.5°	539.4	539.4	539.4	538.4	536.3	533.8	530.8	528.8	523.3	519.3	514.7	7.5°
10°	543.4	544.4	544.9	545.4	543.4	542.9	539.4	535.3	528.8	522.8	516.7	10°
12.5°	544.9	546.9	547.4	547.9	546.4	545.4	541.9	539.4	533.8	527.8	524.8	12.5°
15°	559.0	562.5	566.5	566.0	570.5	565.5	562.5	563.0	556.9	550.4	548.4	15°
17.5°	595.2	596.7	605.2	605.7	612.7	614.8	609.7	604.2	600.7	596.7	588.1	17.5°
20°	634.4	645.4	648.4	663.5	670.6	674.1	674.6	674.6	668.0	650.4	643.4	20°
22.5°	677.1	693.7	711.8	721.3	735.9	737.9	745.4	740.9	735.9	722.3	706.2	22.5°
25°	746.0	755.5	771.6	795.7	802.8	817.3	814.3	820.8	809.8	786.2	776.6	25°
27.5°	822.9	839.4	862.1	884.7	894.7	910.8	900.8	910.8	892.7	886.2	863.1	27.5°
30°	906.8	929.4	969.6	997.8	1018.4	1029.5	1022.9	1017.4	1012.4	1000.3	998.8	30°
32.5°	1009.8	1037.0	1075.2	1111.9	1148.1	1185.8	1194.8	1202.9	1221.5	1184.8	1149.1	32.5°
35°	1137.0	1157.6	1200.4	1242.6	1292.3	1339.6	1417.5	1437.1	1412.0	1368.2	1310.9	35°
37.5°	1261.2	1307.9	1350.7	1400.9	1438.1	1492.4	1527.1	1565.8	1544.7	1504.0	1438.1	37.5°
40°	1413.5	1476.8	1535.1	1597.0	1639.2	1681.4	1746.8	1789.0	1785.0	1734.2	1645.2	40°
42.5°	1553.2	1653.8	1750.3	1796.5	1852.8	1929.2	1977.5	2044.8	2049.4	1990.5	1877.4	42.5°
45°	1699.5	1816.6	1934.2	2025.2	2073.0	2167.5	2278.1	2351.5	2374.1	2262.0	2146.4	45°
47.5°	1814.1	1996.6	2154.4	2251.4	2340.4	2437.9	2580.2	2686.2	2677.2	2525.9	2373.1	47.5°
50°	1914.6	2146.9	2337.9	2497.7	2604.3	2716.9	2904.4	3031.1	2986.8	2794.3	2603.3	50°
52.5°	2005.6	2278.1	2514.3	2712.4	2836.5	2997.4	3234.1	3344.7	3219.0	3033.1	2796.8	52.5°
55°	2089.1	2396.7	2671.1	2909.4	3100.9	3308.5	3530.7	3606.6	3427.7	3197.9	2980.8	55°
57.5°	2166.0	2506.8	2815.4	3101.4	3358.3	3606.1	3799.6	3804.7	3580.0	3325.1	3118.0	57.5°
60°	2258.5	2607.8	2966.2	3300.5	3613.6	3871.0	3984.1	3948.4	3678.0	3420.1	3212.5	60°
62.5°	2347.9	2698.8	3089.4	3492.0	3869.5	4094.2	4116.8	4041.4	3745.3	3464.3	3283.4	62.5°
65°	2392.2	2768.2	3158.2	3613.6	4069.6	4227.4	4199.7	4081.6	3772.5	3470.9	3301.5	65°
67.5°	2327.3	2703.3	3092.4	3560.9	4068.5	4218.8	4147.5	4004.7	3706.6	3381.9	3217.5	67.5°
70°	2088.6	2453.0	2770.2	3211.0	3782.0	3930.3	3823.2	3682.0	3432.7	3115.0	3040.1	70°
72.5°	1757.3	2027.7	2293.1	2618.9	3010.4	3140.1	2998.9	3069.3	3004.9	2697.3	2628.9	72.5°
75°	1319.0	1571.8	1675.4	1775.4	2045.8	2123.2	2069.0	2310.2	2376.1	2247.9	2073.5	75°
77.5°	863.1	1128.5	1147.6	1149.6	1260.2	1408.5	1605.0	1855.8	1980.5	1922.7	1711.1	77.5°
80°	503.2	795.2	711.3	684.1	782.1	947.5	1206.9	1521.1	1685.9	1698.0	1495.9	80°
82.5°	252.8	498.6	431.8	427.3	482.6	604.7	794.2	969.6	1184.3	1194.3	1221.0	82.5°
85°	196.5	342.8	350.9	380.5	419.2	470.0	484.1	515.2	634.9	745.4	774.1	85°
87.5°	102.0	252.3	297.6	346.3	341.8	280.0	236.3	254.8	296.6	312.7	406.2	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°
512.7	512.7	512.7	512.7	512.7	512.7	512.7
512.2	513.2	512.7	513.2	513.7	513.7	513.2
511.7	511.2	509.2	508.2	508.2	507.2	506.7
508.7	505.2	500.1	497.1	495.1	493.6	491.1
509.2	503.2	496.6	492.1	487.6	484.6	481.6
515.7	508.2	502.2	495.1	491.6	487.6	484.1
538.4	528.3	521.3	514.7	510.7	507.7	504.7
574.5	562.5	550.9	544.9	537.8	532.8	532.3
623.3	605.7	590.6	577.1	570.5	562.5	561.0
678.6	653.0	636.9	621.8	612.7	603.2	603.7
749.0	723.3	697.2	681.6	668.5	670.0	668.5
833.4	813.3	783.1	764.0	760.0	744.4	732.9
965.1	935.0	898.3	864.1	842.5	816.8	792.7
1094.3	1038.5	989.7	956.6	928.9	891.2	853.5
1222.0	1157.6	1112.4	1084.2	1041.5	988.7	929.9
1373.8	1331.6	1299.4	1230.5	1169.7	1088.8	999.8
1592.9	1539.7	1462.7	1375.3	1287.3	1172.7	1051.1
1811.1	1746.8	1639.2	1510.5	1384.3	1246.1	1091.3
2047.8	1923.7	1783.4	1627.6	1472.3	1300.9	1118.9
2234.3	2079.5	1904.6	1717.6	1542.2	1346.1	1143.1
2424.8	2237.9	2018.2	1807.6	1605.5	1382.8	1167.2
2574.6	2366.0	2134.3	1889.5	1664.3	1424.0	1200.4
2724.4	2493.7	2238.4	1971.4	1737.2	1481.3	1250.1
2849.1	2609.3	2338.9	2060.9	1821.6	1557.8	1331.6
3013.5	2771.7	2457.0	2167.0	1917.2	1661.8	1434.6
3169.8	2962.2	2621.4	2291.6	2033.8	1779.4	1551.7
3272.8	3177.3	2789.8	2416.8	2143.4	1889.5	1654.8
3274.8	3314.1	2967.2	2518.3	2245.9	2009.1	1739.2
3195.9	3333.2	3004.9	2527.4	2294.7	2062.4	1783.4
2923.0	3097.9	2779.2	2348.9	2204.2	2020.7	1734.7
2261.0	2387.6	2222.8	1991.0	1996.1	1889.0	1543.7
1565.3	1684.9	1546.2	1496.9	1607.0	1547.2	1152.6
1185.8	1031.5	977.2	1003.3	1140.5	1134.0	724.8
1056.1	780.6	647.4	679.6	805.3	735.4	403.6
866.1	778.6	650.9	588.6	613.8	502.2	276.0
498.6	569.5	464.0	437.3	380.5	226.2	112.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)