

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: McGRAW-EDISON

Report Number: P158974

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158974
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F02-LED-E1-SLR-7030
Description: VENTUS LED SITE 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: 4052.4 lumens
Efficiency: N/A
Efficacy: 73.7 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

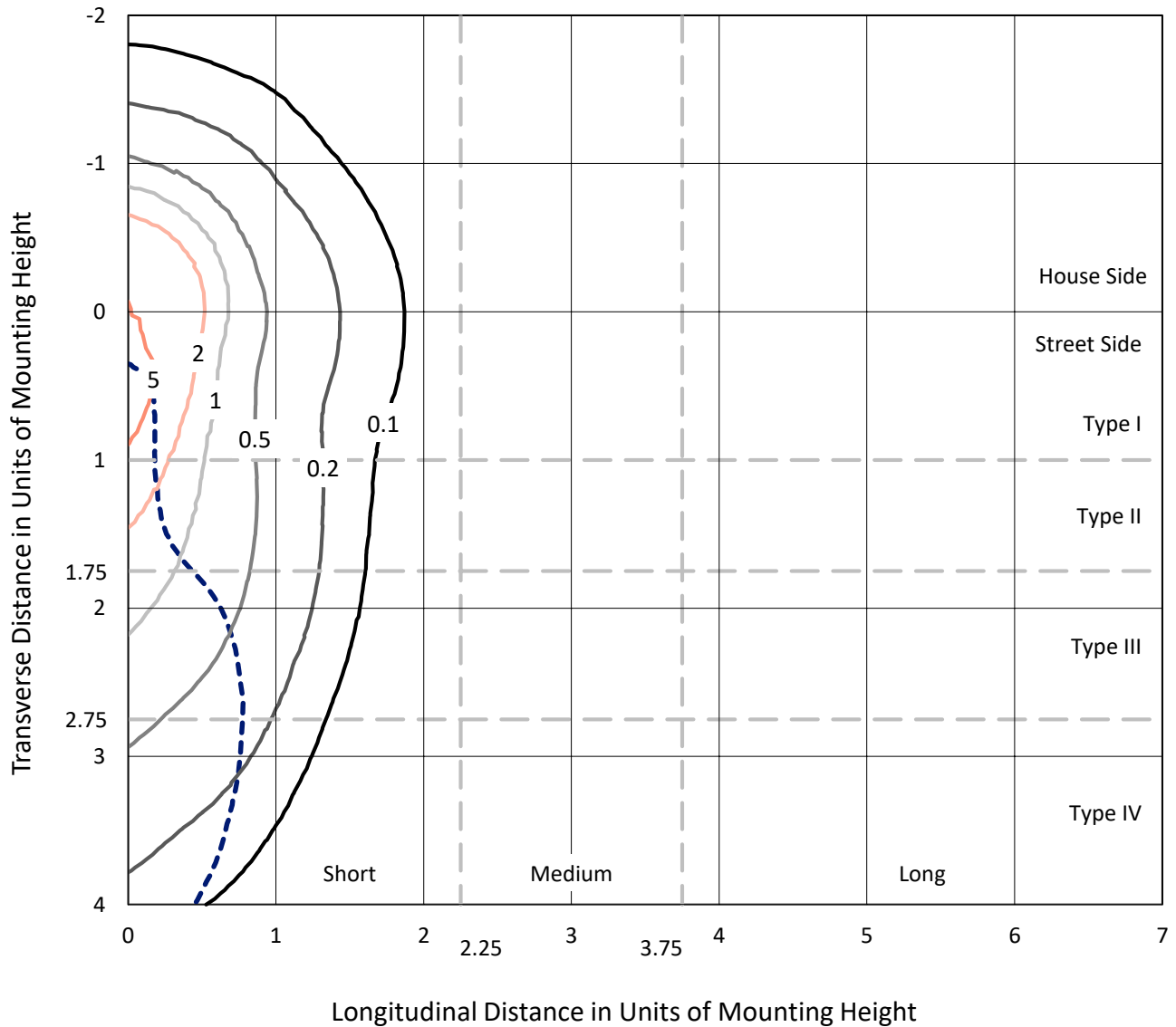
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

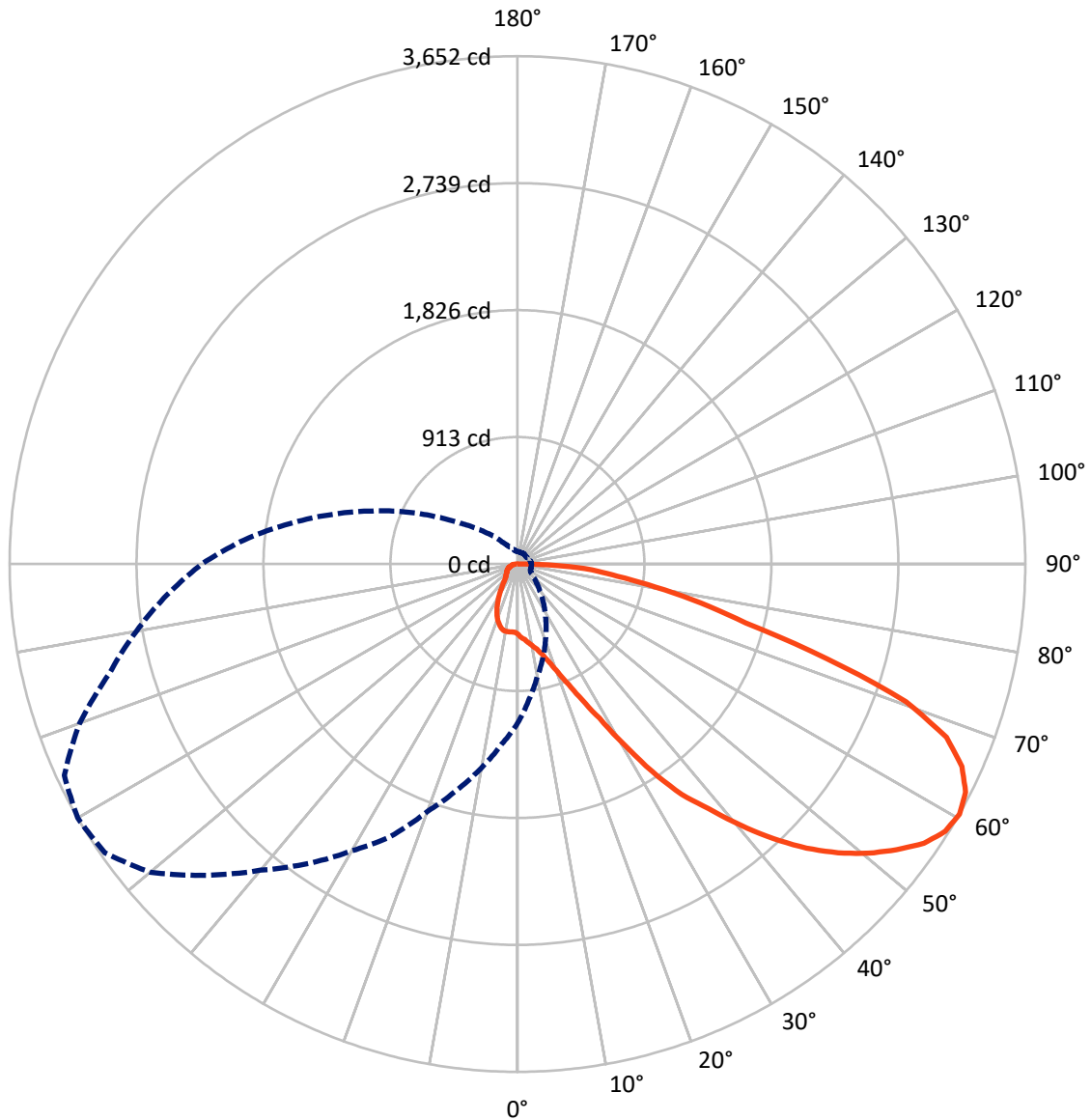


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	912.5	0.0	912.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3139.9	0.0	3139.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	4052.4	0.0	4052.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	1.2
10°-20°	160.5	4.0
20°-30°	304.6	7.5
30°-40°	479.7	11.8
40°-50°	669.6	16.5
50°-60°	828.1	20.4
60°-70°	858.4	21.2
70°-80°	540.1	13.3
80°-90°	161.5	4.0
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°	4052.4	100.0
0°-180°	4052.4	100.0



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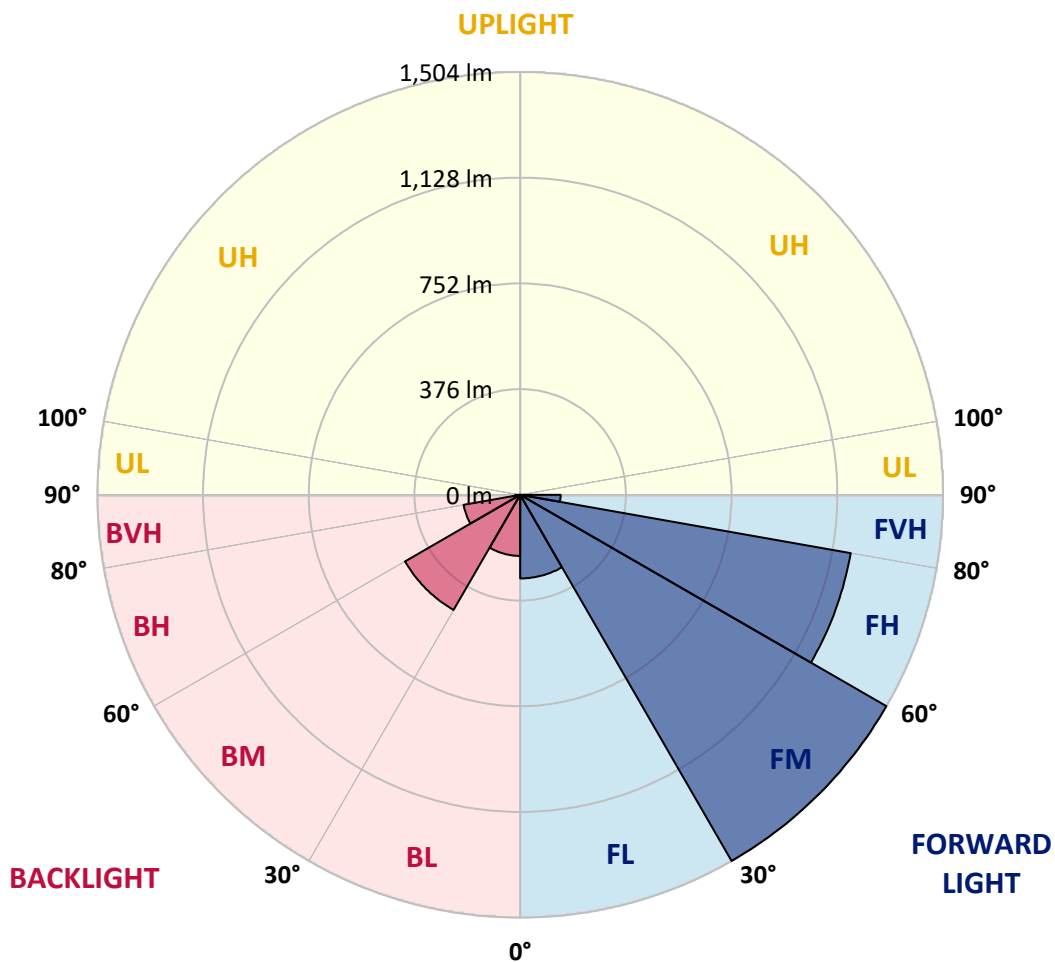
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.5	7.3			
FM	(30°-60°)	1504.3	37.1			
FH	(60°-80°)	1194.2	29.5			G1/1800
FVH	(80°-90°)	143.9	3.6			G2/225
BL	(0°-30°)	217.4	5.4	B1/500		
BM	(30°-60°)	473.2	11.7	B1/1000		
BH	(60°-80°)	204.4	5.0	B1/500		G1/500
BVH	(80°-90°)	17.6	0.4			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°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
2.5°	533.8	501.9	502.5	501.6	501.6	501.0	501.6	501.0	500.4	500.4	500.7
5°	540.8	505.5	505.5	504.6	504.0	503.4	504.0	503.4	503.1	502.5	502.8
7.5°	547.4	507.6	506.4	505.2	503.7	504.3	504.3	504.0	504.3	504.0	504.6
10°	558.3	514.5	511.5	508.8	508.5	507.9	507.9	507.0	507.0	506.4	506.7
12.5°	586.0	535.9	532.6	527.8	526.9	524.2	522.7	520.9	517.8	515.1	513.0
15°	632.8	571.5	565.2	561.0	559.2	553.7	545.3	538.7	529.9	522.4	514.5
17.5°	690.1	619.2	611.6	606.2	597.2	582.4	568.2	551.9	535.0	519.7	505.5
20°	770.3	687.6	672.9	659.9	637.3	611.9	585.4	557.1	531.1	507.0	486.2
22.5°	878.9	776.0	748.6	713.9	672.0	629.1	586.9	547.7	513.0	481.7	453.9
25°	1003.7	860.5	811.0	751.3	687.0	627.9	572.4	522.1	481.7	441.2	411.1
27.5°	1095.7	931.0	858.0	779.6	697.6	622.2	554.0	493.1	444.3	402.9	366.4
30°	1148.2	971.4	883.7	791.7	699.4	612.5	530.8	460.2	403.8	354.7	319.7
32.5°	1182.0	993.2	886.4	779.6	677.7	583.9	495.5	422.2	361.0	308.5	271.4
35°	1210.3	1001.9	873.7	752.8	636.7	540.5	450.3	377.0	312.2	263.9	225.9
37.5°	1221.8	1000.4	853.5	716.9	596.6	493.1	404.1	329.0	271.1	228.6	196.0
40°	1219.7	986.5	826.1	678.6	549.5	443.6	355.3	289.2	242.2	206.3	182.5
42.5°	1205.5	968.1	795.6	639.7	506.4	402.6	322.1	263.6	225.6	198.5	177.6
45°	1187.7	946.1	767.9	604.1	472.3	373.4	302.8	256.4	223.5	197.5	175.2
47.5°	1163.6	921.7	739.8	578.8	454.2	364.6	302.5	260.6	225.3	195.4	171.0
50°	1137.3	903.9	724.4	567.9	452.1	370.1	313.1	267.2	226.5	193.3	165.3
52.5°	1118.9	896.0	724.1	571.8	463.3	385.1	325.4	275.7	231.0	194.5	164.1
55°	1096.3	894.8	732.0	588.7	487.7	410.8	345.0	290.1	240.4	199.1	165.0
57.5°	1097.8	918.7	762.4	630.3	531.7	445.5	370.1	307.9	249.4	201.8	163.5
60°	1145.5	974.2	822.5	701.5	589.3	486.2	395.7	317.6	248.8	195.7	156.2
62.5°	1243.8	1057.4	912.3	785.1	647.8	517.5	405.0	314.9	239.8	182.8	144.5
65°	1361.1	1154.8	999.8	849.9	683.4	524.8	396.9	299.8	221.7	165.9	130.3
67.5°	1478.4	1223.9	1050.2	868.3	668.9	495.5	366.7	266.0	190.9	143.0	114.3
70°	1520.7	1238.1	1046.2	827.0	603.2	422.8	301.9	214.1	153.2	117.0	96.2
72.5°	1457.3	1149.4	930.1	702.7	490.4	327.8	221.4	158.0	117.0	91.7	78.4
75°	1222.4	925.6	735.3	529.3	354.1	231.9	159.8	115.2	88.1	72.7	62.7
77.5°	871.3	644.5	501.0	347.7	229.8	160.8	114.6	86.6	70.0	58.2	51.0
80°	547.4	395.7	305.2	208.7	143.3	109.2	82.3	68.5	56.4	47.4	42.5
82.5°	329.6	230.4	179.8	129.7	94.1	74.8	60.6	53.7	44.9	39.2	36.5
85°	223.8	169.5	117.9	76.6	56.7	44.0	41.3	37.1	33.5	28.0	27.1
87.5°	42.8	60.6	52.8	31.4	20.8	17.8	15.7	15.1	13.6	10.9	12.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
2.5°	498.8	498.2	497.0	497.0	496.1	494.3	494.0	492.8	491.3	491.6	491.3
5°	500.7	499.4	497.9	497.3	496.1	494.3	493.4	491.9	490.4	490.4	490.4
7.5°	502.8	501.3	500.0	497.9	495.5	493.7	491.3	489.5	488.6	488.3	488.6
10°	504.6	503.7	501.9	498.8	495.5	491.9	489.5	487.1	484.7	485.0	485.3
12.5°	508.5	505.5	500.7	496.1	491.0	486.5	482.3	479.2	476.2	476.2	476.5
15°	505.8	497.0	490.4	481.7	475.9	468.7	463.9	461.1	459.3	458.7	459.0
17.5°	489.8	479.2	469.3	461.4	453.6	447.9	445.8	444.0	441.5	442.7	441.5
20°	465.7	452.7	438.5	429.2	419.8	415.9	412.3	410.5	409.0	414.4	414.4
22.5°	431.0	415.3	400.8	389.4	378.8	374.6	371.0	368.9	369.8	376.4	377.0
25°	387.3	368.3	349.2	342.3	331.8	328.4	326.3	326.0	326.9	333.6	335.1
27.5°	340.8	320.9	304.6	288.6	283.8	281.1	277.2	281.7	282.6	289.8	292.9
30°	291.3	269.9	252.7	242.2	231.9	233.4	230.1	235.5	238.0	245.5	247.9
32.5°	240.7	220.5	203.3	192.7	185.5	186.4	184.0	188.8	191.2	200.3	204.8
35°	199.1	181.9	168.0	158.9	155.6	152.3	151.7	152.3	154.7	161.7	169.8
37.5°	175.2	161.1	151.1	144.5	139.9	137.8	136.6	136.6	136.6	138.1	142.1
40°	165.0	152.3	143.6	137.2	134.2	133.0	132.1	131.2	129.7	129.1	129.4
42.5°	160.4	146.0	136.6	131.8	130.0	130.0	130.0	129.4	127.9	126.4	124.9
45°	155.9	140.2	130.9	127.6	126.7	127.0	127.0	127.0	125.8	124.0	121.2
47.5°	150.2	133.9	124.6	122.4	122.4	123.4	123.7	123.7	122.4	120.6	118.5
50°	143.3	125.8	117.3	115.5	114.6	114.6	114.6	114.6	113.7	112.5	111.0
52.5°	139.6	121.2	112.5	110.7	110.7	109.8	109.5	108.6	107.7	106.8	104.7
55°	138.4	119.4	110.4	108.9	108.9	108.0	107.1	106.2	104.7	103.1	101.0
57.5°	135.1	115.5	107.7	106.5	106.5	105.9	105.0	104.1	102.5	100.4	97.7
60°	127.6	108.9	102.2	101.9	101.9	101.6	101.0	101.0	99.5	97.4	94.1
62.5°	117.9	101.9	95.6	95.6	95.3	95.0	93.8	93.5	91.7	89.0	86.0
65°	108.6	95.9	91.7	90.5	89.9	89.0	88.4	86.9	85.4	82.9	79.9
67.5°	96.8	86.9	84.1	82.9	81.7	80.8	79.9	79.0	77.2	75.4	73.0
70°	84.1	76.9	75.4	75.1	73.6	72.7	72.4	71.5	69.7	67.9	64.8
72.5°	72.1	67.9	66.7	66.7	64.8	63.6	63.0	62.7	61.5	60.0	57.3
75°	58.2	55.2	54.9	56.4	56.4	55.5	54.9	55.5	53.7	52.8	50.1
77.5°	47.7	46.1	45.2	45.8	47.7	46.7	45.5	45.5	45.5	44.0	43.1
80°	40.4	39.2	38.3	38.9	38.6	38.3	37.7	36.5	36.5	36.5	36.2
82.5°	36.5	36.2	32.9	32.9	31.7	30.8	30.2	29.6	29.0	29.0	30.5
85°	27.4	28.4	26.5	26.2	24.7	23.5	22.3	21.7	21.1	22.0	25.0
87.5°	13.3	13.3	12.7	14.2	13.0	12.4	11.5	10.9	11.5	14.2	16.9
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°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
2.5°	490.7	490.4	490.1	489.5	488.3	488.0	487.4	487.4	487.1	486.5	487.1
5°	489.8	490.4	490.4	490.1	489.2	489.8	489.8	490.7	490.7	491.3	492.8
7.5°	488.6	490.1	491.3	492.2	493.4	494.3	496.1	498.8	500.0	502.2	503.1
10°	486.2	488.9	491.0	493.7	496.7	500.0	502.8	507.0	508.5	511.5	513.0
12.5°	479.2	483.8	487.4	492.8	497.9	503.1	507.9	513.3	516.0	519.4	521.5
15°	462.3	467.5	472.6	477.4	486.5	496.4	504.3	511.5	515.4	519.7	521.8
17.5°	442.1	445.5	449.7	456.0	464.8	473.5	486.2	496.4	502.5	507.3	507.9
20°	418.6	423.4	426.5	428.9	435.8	441.8	455.4	467.2	475.0	480.7	482.3
22.5°	382.7	387.9	393.0	394.8	400.2	408.1	415.6	428.3	439.4	447.9	453.0
25°	341.7	346.5	353.5	358.9	360.1	366.4	374.0	388.5	399.9	413.5	419.5
27.5°	300.7	304.9	312.5	315.5	319.1	325.4	331.5	343.5	355.6	371.3	377.9
30°	252.7	261.8	270.5	276.3	279.3	286.8	291.0	302.8	314.0	325.4	335.1
32.5°	211.7	219.9	229.8	237.1	240.7	246.4	253.0	263.0	271.7	282.9	294.1
35°	174.0	185.2	191.8	198.1	207.5	210.2	216.8	225.9	231.0	243.1	255.8
37.5°	147.5	154.1	160.8	167.1	174.9	178.5	184.9	192.4	198.5	205.7	217.2
40°	131.2	134.8	139.6	143.9	149.6	154.1	157.4	163.8	168.3	175.5	183.7
42.5°	123.7	124.6	125.2	128.2	131.2	134.2	137.8	140.5	146.0	151.4	156.5
45°	119.4	117.6	116.7	117.0	118.2	120.0	123.1	126.1	129.7	133.0	136.0
47.5°	115.8	113.4	110.7	109.2	109.5	110.1	112.5	114.9	116.7	119.4	120.6
50°	107.4	105.3	102.8	100.7	101.0	101.3	103.4	105.3	106.5	107.4	108.9
52.5°	101.9	98.9	96.8	94.7	94.4	95.3	97.1	98.9	99.5	100.1	100.4
55°	98.0	95.0	92.3	90.2	89.3	91.4	92.0	94.4	95.3	95.3	95.6
57.5°	95.0	91.4	88.7	86.6	85.1	86.6	88.1	90.8	91.1	90.5	90.5
60°	90.5	87.8	85.1	82.9	81.4	82.6	83.8	86.9	86.9	85.4	85.1
62.5°	82.6	81.1	79.3	78.4	78.1	79.3	80.2	82.6	81.7	79.9	79.3
65°	76.9	75.7	73.9	73.3	73.0	74.8	75.1	76.6	75.4	74.5	74.2
67.5°	70.0	69.1	68.2	67.9	67.0	67.0	67.6	68.5	67.9	67.9	68.2
70°	62.1	60.9	60.0	60.3	59.7	59.7	60.0	60.6	60.3	60.9	61.5
72.5°	54.9	53.4	53.1	53.1	52.5	52.8	52.8	53.1	53.7	54.0	55.5
75°	48.0	46.4	46.4	46.1	46.1	46.1	46.4	47.0	47.7	48.0	48.6
77.5°	41.6	40.7	41.0	40.7	40.7	40.7	40.7	41.6	41.9	42.2	43.1
80°	35.9	35.9	36.2	36.2	35.9	35.6	35.9	36.5	36.8	37.1	37.4
82.5°	32.6	32.9	32.9	32.9	31.4	30.8	31.7	32.3	32.9	33.2	33.8
85°	28.0	26.8	28.0	27.7	25.6	25.3	25.3	25.6	26.2	25.6	25.6
87.5°	18.1	16.3	17.2	17.2	15.1	12.4	15.7	16.9	15.1	16.0	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
2.5°	488.0	487.4	487.7	487.7	488.3	487.4	488.6	489.8	490.1	490.1	490.4
5°	494.3	493.7	495.8	494.9	497.0	496.7	498.2	499.4	500.0	500.0	500.0
7.5°	504.3	506.4	507.6	510.9	511.2	513.0	514.5	516.0	515.4	515.7	515.4
10°	515.4	518.1	521.2	524.5	524.8	526.9	529.3	530.8	530.2	529.9	529.0
12.5°	525.1	526.9	530.5	533.8	535.6	539.0	541.4	542.6	542.6	541.7	540.8
15°	524.5	527.2	531.1	535.9	539.3	544.1	548.3	551.0	551.3	550.4	550.1
17.5°	511.2	515.1	518.7	525.4	531.4	538.0	545.0	548.9	552.5	554.6	555.8
20°	487.4	492.2	497.3	506.1	514.2	523.0	531.1	536.8	542.3	548.6	556.1
22.5°	459.3	466.6	473.8	485.0	494.9	504.9	514.2	521.2	529.6	540.5	554.6
25°	426.5	434.0	443.0	456.0	468.7	483.2	497.0	510.9	527.2	545.9	567.9
27.5°	387.6	396.0	407.8	423.4	437.9	452.7	474.4	496.4	523.0	547.1	572.1
30°	348.9	359.8	372.5	388.2	402.6	423.7	445.5	472.6	500.7	527.8	557.7
32.5°	307.3	320.9	336.6	349.6	365.8	387.3	409.0	437.9	467.8	499.7	532.6
35°	267.2	280.2	292.5	307.0	323.3	343.5	364.6	392.4	430.1	464.2	503.4
37.5°	226.5	238.6	247.3	258.8	272.9	295.3	317.9	349.9	385.4	427.4	466.6
40°	190.9	200.9	210.8	219.9	231.9	253.0	277.2	308.5	343.5	384.2	428.0
42.5°	162.6	170.1	181.0	191.8	202.1	220.2	242.8	273.5	308.2	349.9	393.6
45°	138.7	143.9	152.6	161.7	174.3	189.4	211.1	242.5	277.8	319.7	365.8
47.5°	121.5	124.0	130.0	139.3	151.1	165.9	184.6	212.9	247.3	289.5	338.1
50°	109.8	112.5	115.5	123.4	133.9	149.0	164.4	189.1	220.5	261.8	310.0
52.5°	101.6	102.8	104.1	108.9	118.5	131.2	147.5	166.2	197.8	237.4	280.8
55°	96.8	97.1	98.0	100.4	107.7	119.4	133.6	151.4	176.1	213.5	257.9
57.5°	91.1	91.7	92.6	94.1	98.6	109.2	121.2	135.7	156.2	187.6	230.1
60°	85.7	87.2	88.7	89.6	92.0	98.3	108.6	120.0	136.6	160.1	193.9
62.5°	79.9	81.7	82.9	83.8	84.7	88.7	96.2	103.7	114.0	129.4	154.7
65°	74.8	76.0	76.9	77.5	78.1	79.3	82.6	85.7	88.7	98.0	116.4
67.5°	69.1	69.7	70.0	70.3	70.0	70.0	70.3	71.5	72.7	76.3	85.1
70°	62.4	63.3	63.3	63.6	63.6	62.7	62.7	62.7	62.7	63.6	68.5
72.5°	56.1	57.3	57.3	57.6	57.3	57.0	57.0	57.0	57.9	58.5	60.3
75°	50.1	51.3	51.0	51.3	51.6	51.6	52.2	52.5	53.4	53.7	54.9
77.5°	44.0	44.9	45.2	44.9	45.5	46.1	47.4	48.0	48.3	48.6	48.9
80°	38.3	38.9	38.6	37.7	39.2	40.1	41.9	44.0	43.4	43.7	44.3
82.5°	31.7	30.8	30.2	30.8	31.7	32.9	34.7	37.4	37.7	39.2	38.9
85°	24.4	21.7	21.4	22.9	22.6	24.1	27.1	29.3	31.1	32.6	31.1
87.5°	14.5	13.0	10.9	10.3	11.2	14.8	15.4	18.7	20.2	20.8	18.7
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
2.5°	517.8	519.4	519.4	520.0	520.9	521.2	522.4	524.5	524.8	524.8	525.7
5°	527.5	529.0	529.0	530.2	530.5	532.0	533.5	535.9	537.1	536.8	540.8
7.5°	543.2	542.0	541.1	542.9	543.8	545.6	548.6	550.7	552.8	556.1	561.6
10°	556.4	554.6	553.7	554.9	555.5	557.7	559.5	562.5	567.6	572.7	579.4
12.5°	567.3	565.2	562.8	563.4	564.3	567.0	570.0	573.9	581.5	588.1	598.1
15°	576.4	573.3	570.9	572.1	574.2	577.9	583.0	589.9	602.3	613.8	627.0
17.5°	585.1	584.5	583.6	587.5	589.0	597.5	605.0	617.7	634.6	651.8	670.8
20°	593.5	600.2	603.5	611.3	616.2	627.6	639.1	654.5	675.9	699.4	725.3
22.5°	605.3	623.4	634.6	650.5	658.7	671.1	687.9	708.2	732.0	762.1	795.3
25°	633.4	659.9	682.2	707.2	727.8	746.8	767.0	791.4	825.8	853.2	896.6
27.5°	645.7	683.1	716.6	751.9	782.6	811.9	843.9	873.4	914.1	951.2	1003.7
30°	634.0	676.2	719.6	765.8	810.7	855.0	901.5	946.7	993.8	1045.6	1101.4
32.5°	612.2	659.6	708.5	762.7	818.5	876.1	936.5	1002.2	1068.6	1133.1	1190.1
35°	590.2	641.2	695.5	757.6	823.4	894.8	969.6	1052.9	1140.6	1222.4	1296.9
37.5°	558.3	614.4	676.5	748.3	826.4	914.4	1010.7	1113.2	1224.2	1336.7	1434.4
40°	519.7	579.1	646.9	729.6	823.4	934.7	1059.8	1191.3	1334.0	1471.2	1591.2
42.5°	484.4	542.3	614.7	704.5	815.5	952.4	1106.6	1270.3	1439.2	1592.7	1749.6
45°	453.3	517.2	589.9	687.0	811.6	967.5	1141.2	1329.4	1522.8	1705.5	1890.7
47.5°	425.0	491.3	572.7	677.4	809.8	976.6	1165.4	1368.0	1582.2	1792.1	2007.1
50°	395.7	460.2	547.4	666.8	805.3	976.3	1178.0	1394.3	1623.8	1859.3	2087.4
52.5°	364.3	429.2	516.6	647.5	795.6	970.8	1181.4	1412.1	1656.7	1900.7	2155.5
55°	335.7	396.3	483.8	615.3	775.4	957.6	1173.8	1419.6	1679.9	1941.7	2203.5
57.5°	302.8	365.8	449.1	570.9	737.4	934.0	1152.4	1409.1	1686.5	1969.1	2241.5
60°	257.6	319.4	405.0	518.4	678.0	884.3	1112.6	1377.1	1665.4	1974.0	2268.6
62.5°	205.7	259.1	341.7	446.1	594.4	806.2	1039.0	1305.3	1599.7	1928.7	2254.7
65°	152.9	188.5	259.7	351.4	497.6	688.5	920.5	1185.0	1471.2	1802.9	2167.6
67.5°	106.5	132.1	175.8	244.0	361.9	531.7	751.3	997.1	1272.4	1570.1	1986.6
70°	80.5	92.3	116.1	154.1	234.3	362.2	546.2	765.2	1020.6	1307.4	1699.8
72.5°	68.8	74.8	88.1	105.6	143.6	220.2	342.9	526.6	753.1	986.5	1304.1
75°	61.8	67.0	75.4	86.6	101.6	133.6	201.2	333.3	498.8	660.8	909.9
77.5°	56.1	60.6	68.2	73.9	82.0	96.2	128.2	199.4	298.9	408.4	564.6
80°	50.1	52.8	59.7	65.4	71.8	79.9	92.0	125.2	171.6	241.9	333.0
82.5°	42.8	44.9	50.1	57.9	62.7	66.0	69.7	82.9	102.8	131.2	184.9
85°	33.2	34.7	39.2	44.9	47.0	47.4	48.0	51.6	63.9	98.3	159.2
87.5°	16.9	18.7	23.5	25.3	21.4	23.2	23.5	25.0	33.2	54.0	54.9
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°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	0°
2.5°	525.7	526.6	528.7	528.4	529.9	529.9	529.9	531.4	530.5	531.4	532.9	2.5°
5°	540.8	542.3	545.3	545.3	545.6	544.7	546.5	547.7	546.2	545.6	545.9	5°
7.5°	562.8	565.2	567.6	570.0	571.8	570.9	571.2	568.5	567.9	565.8	563.1	7.5°
10°	584.2	590.8	595.4	599.6	599.9	599.0	599.3	594.8	593.8	589.6	586.9	10°
12.5°	606.2	614.7	621.9	626.4	629.1	629.7	630.0	630.0	625.8	622.2	615.9	12.5°
15°	638.8	653.6	664.7	669.5	673.5	677.1	678.0	679.2	675.9	671.1	670.1	15°
17.5°	690.4	704.2	719.0	732.0	740.7	741.3	748.9	748.3	755.2	749.8	748.3	17.5°
20°	751.6	781.7	797.1	814.3	824.3	829.1	846.6	841.2	846.3	855.0	846.3	20°
22.5°	828.2	866.5	888.8	912.3	928.6	940.4	953.0	963.0	976.9	983.5	977.5	22.5°
25°	929.8	973.6	1000.1	1032.7	1058.6	1079.7	1101.7	1128.3	1128.0	1144.0	1155.1	25°
27.5°	1046.5	1102.3	1140.9	1198.2	1220.6	1256.2	1293.9	1334.9	1342.1	1362.9	1373.5	27.5°
30°	1156.3	1225.4	1302.0	1370.2	1447.4	1500.1	1543.9	1572.8	1616.6	1605.7	1599.7	30°
32.5°	1257.7	1349.6	1458.8	1570.7	1693.2	1776.7	1853.9	1889.8	1917.0	1859.3	1783.0	32.5°
35°	1389.2	1499.2	1624.1	1762.2	1917.9	2036.4	2116.0	2127.2	2111.8	2037.9	1911.5	35°
37.5°	1552.0	1667.5	1809.6	1955.6	2120.8	2232.1	2322.9	2339.2	2298.5	2166.7	2034.0	37.5°
40°	1712.8	1848.2	2002.3	2175.1	2346.4	2468.9	2560.0	2564.8	2498.4	2344.3	2189.0	40°
42.5°	1888.6	2036.7	2208.3	2399.8	2576.8	2700.8	2766.6	2787.4	2693.6	2496.0	2347.0	42.5°
45°	2040.3	2217.3	2408.6	2612.1	2797.3	2914.9	2981.9	2975.3	2861.9	2666.7	2492.1	45°
47.5°	2188.1	2382.9	2584.4	2800.6	2984.6	3103.4	3172.2	3166.2	3022.3	2797.6	2605.5	47.5°
50°	2319.6	2531.0	2746.3	2977.4	3160.7	3269.6	3353.8	3327.2	3145.4	2902.9	2678.5	50°
52.5°	2411.0	2646.8	2871.8	3121.5	3310.3	3413.5	3520.5	3435.2	3218.0	2967.4	2717.7	52.5°
55°	2468.9	2726.4	2961.1	3237.3	3422.8	3546.2	3615.2	3494.0	3246.1	2985.2	2731.3	55°
57.5°	2508.1	2770.2	3013.6	3304.3	3524.2	3627.6	3644.5	3496.1	3228.0	2957.2	2717.7	57.5°
60°	2527.4	2783.1	3037.4	3351.4	3595.3	3652.0	3621.3	3447.3	3165.6	2874.8	2630.2	60°
62.5°	2525.3	2766.9	3025.0	3367.0	3609.5	3616.8	3546.8	3364.0	3050.7	2702.0	2484.9	62.5°
65°	2471.6	2707.4	2955.4	3308.8	3543.5	3512.4	3424.3	3207.8	2827.2	2476.4	2366.6	65°
67.5°	2316.9	2543.1	2773.2	3118.2	3357.4	3327.2	3193.9	2900.8	2567.5	2276.8	2217.6	67.5°
70°	2058.1	2249.9	2452.0	2755.1	3006.0	2965.3	2732.2	2553.9	2310.2	2046.0	2025.5	70°
72.5°	1720.6	1866.0	2012.6	2238.2	2411.0	2327.7	2181.2	2171.8	1974.9	1773.1	1777.3	72.5°
75°	1345.7	1454.9	1523.4	1656.1	1771.0	1696.5	1705.2	1757.1	1692.3	1533.3	1481.7	75°
77.5°	975.1	1079.7	1101.4	1180.2	1261.0	1345.7	1457.9	1580.1	1600.6	1511.3	1324.3	77.5°
80°	638.2	753.4	710.6	738.6	852.3	1007.0	1211.8	1413.0	1482.0	1401.8	1171.7	80°
82.5°	376.4	537.7	469.6	517.5	589.6	724.4	865.9	1017.6	1133.1	1047.7	978.7	82.5°
85°	285.9	424.0	449.1	507.3	530.8	536.5	561.3	610.7	670.5	692.8	691.0	85°
87.5°	149.0	329.6	370.1	342.3	319.4	276.9	215.9	232.5	212.6	290.7	275.4	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°
504.0	504.0	504.0	504.0	504.0	504.0	504.0
533.2	532.3	532.9	533.2	533.2	533.2	533.8
545.6	543.2	542.3	542.3	542.0	541.1	540.8
558.9	554.6	553.1	551.3	549.8	548.9	547.4
582.7	579.1	571.5	567.3	563.4	560.7	558.3
614.7	609.5	602.3	596.9	590.8	589.0	586.0
664.1	659.6	653.3	647.2	643.6	637.3	632.8
741.3	732.3	725.9	718.1	709.4	696.4	690.1
843.0	824.9	812.2	805.3	787.8	785.7	770.3
959.7	954.3	935.0	926.5	909.6	903.0	878.9
1134.3	1130.1	1090.6	1086.4	1060.4	1041.1	1003.7
1363.8	1329.1	1284.5	1253.4	1209.1	1159.3	1095.7
1564.4	1493.5	1425.3	1353.0	1291.7	1220.3	1148.2
1692.3	1597.3	1509.5	1435.3	1359.6	1274.6	1182.0
1804.5	1708.5	1612.9	1525.2	1433.5	1324.6	1210.3
1938.7	1843.4	1735.7	1612.3	1494.7	1361.4	1221.8
2076.2	1964.6	1830.1	1679.0	1531.2	1379.5	1219.7
2217.0	2074.4	1895.5	1723.3	1554.4	1382.2	1205.5
2331.3	2151.0	1944.1	1745.9	1559.3	1372.9	1187.7
2412.2	2200.2	1965.8	1753.8	1553.2	1358.1	1163.6
2458.3	2227.0	1971.2	1748.1	1540.9	1337.0	1137.3
2475.2	2235.1	1965.8	1736.3	1529.7	1314.4	1118.9
2473.4	2230.6	1945.9	1708.9	1499.8	1284.2	1096.3
2439.3	2188.7	1905.2	1676.0	1474.5	1270.3	1097.8
2381.4	2162.2	1893.1	1682.6	1487.8	1300.2	1145.5
2355.2	2215.2	1961.0	1749.0	1555.9	1385.5	1243.8
2340.4	2301.5	2058.1	1820.4	1636.8	1489.0	1361.1
2280.1	2326.2	2113.3	1861.2	1708.9	1592.7	1478.4
2182.7	2268.6	2071.4	1853.3	1748.7	1672.4	1520.7
1979.4	2070.2	1884.7	1737.8	1698.9	1673.6	1457.3
1603.6	1650.6	1545.1	1511.9	1526.4	1526.7	1222.4
1182.6	1154.2	1106.6	1109.0	1206.4	1191.3	871.3
965.4	790.2	722.6	748.3	868.6	803.8	547.4
898.5	704.8	581.8	587.8	656.0	517.8	329.6
726.5	642.4	515.1	462.3	448.8	345.0	223.8
304.0	279.6	208.1	187.6	153.8	94.1	42.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)