

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: P158968

Luminaire Tested: **VTS-E02-LED-E1-SLR-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158968  
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-E02-LED-E1-SLR-8030  
Description: VENTUS LED SITE LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

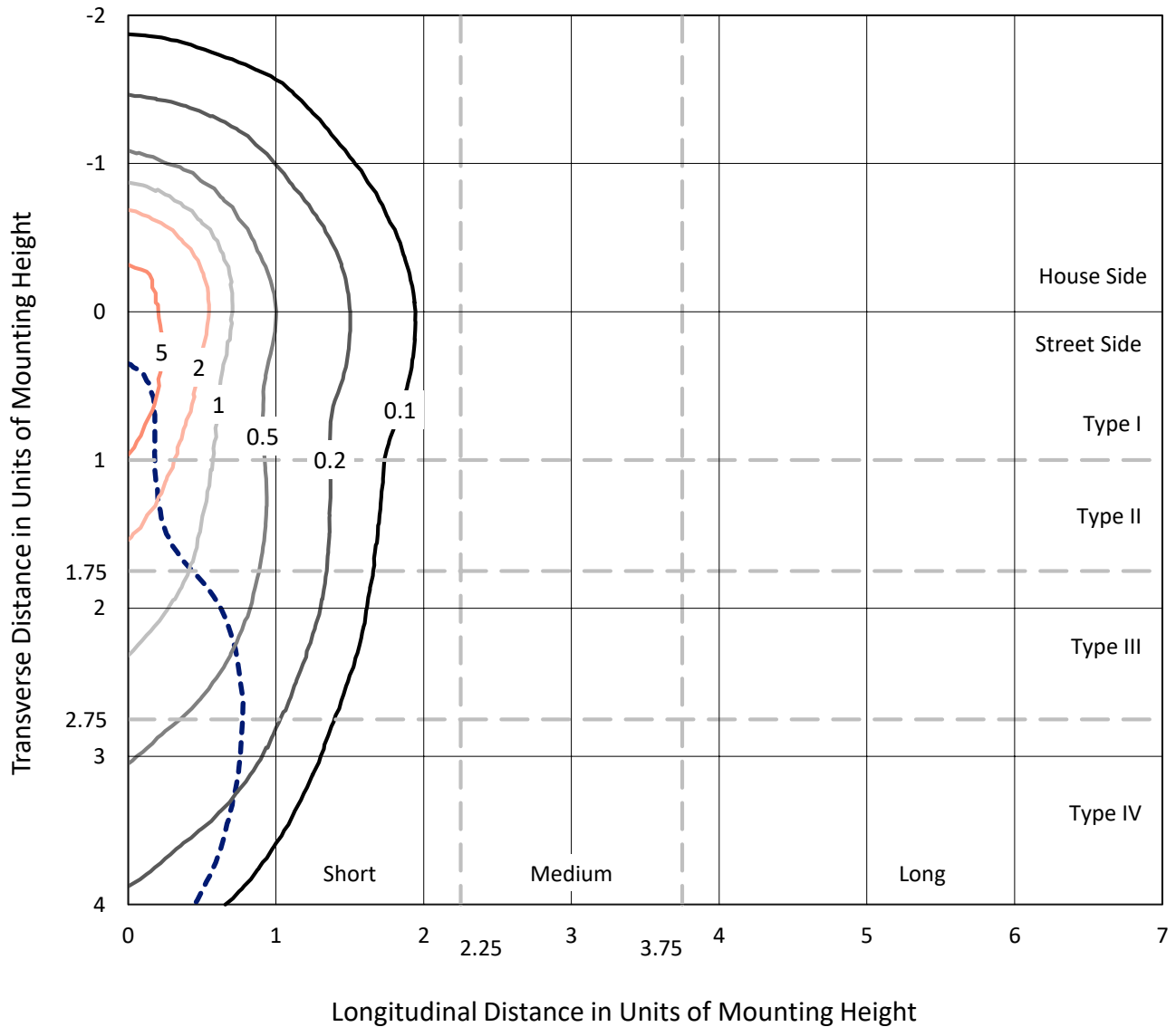
Lumens per Lamp: N/A  
Luminaire Lumens: 4536.1 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (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

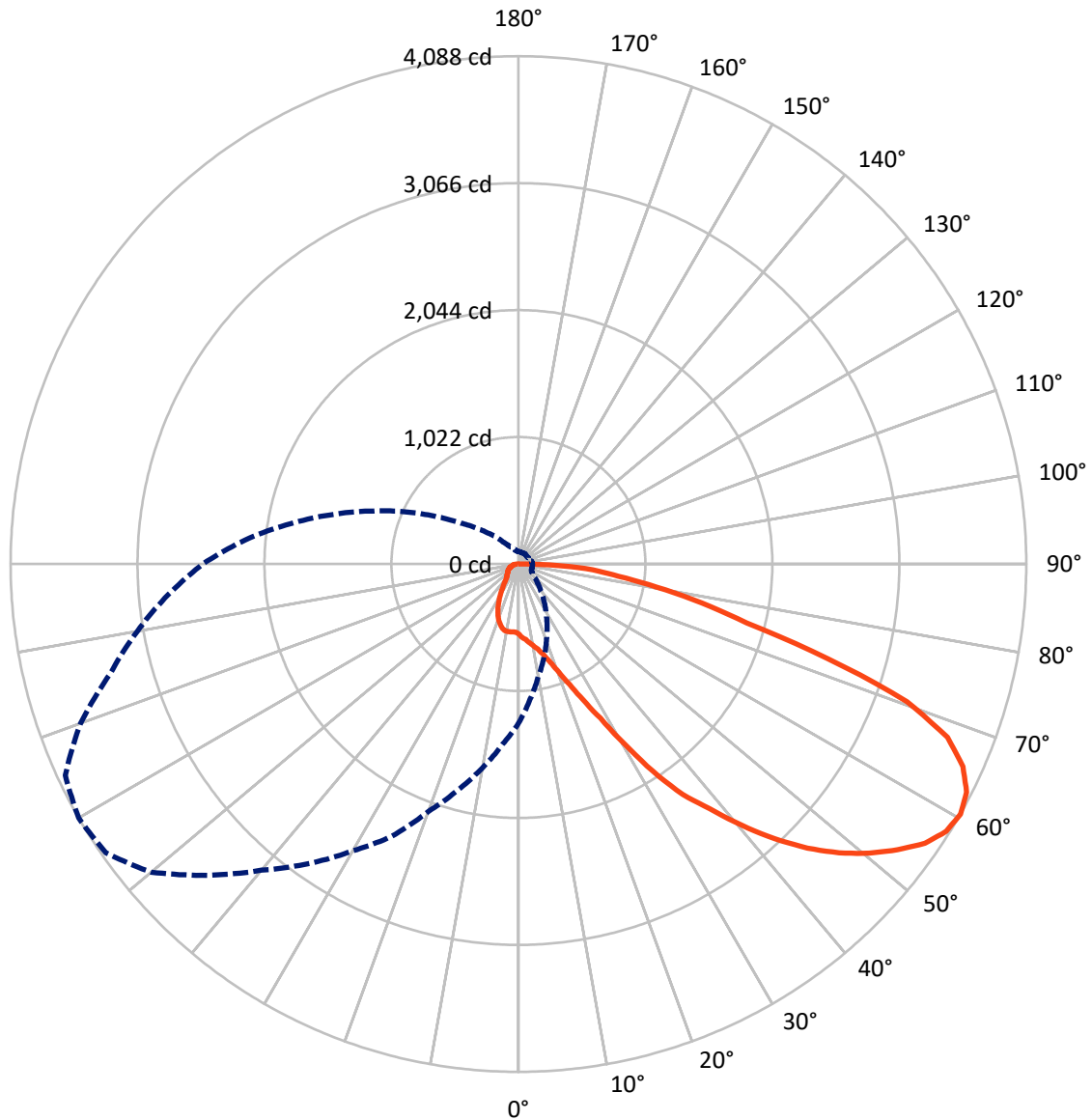
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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
<b>House Side</b>	Lumens	1021.4	0.0	1021.4
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	3514.7	0.0	3514.7
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	4536.1	0.0	4536.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.7	1.2
10°-20°	179.7	4.0
20°-30°	341.0	7.5
30°-40°	537.0	11.8
40°-50°	749.5	16.5
50°-60°	927.0	20.4
60°-70°	960.9	21.2
70°-80°	604.6	13.3
80°-90°	180.7	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°	4536.1	100.0
0°-180°	4536.1	100.0



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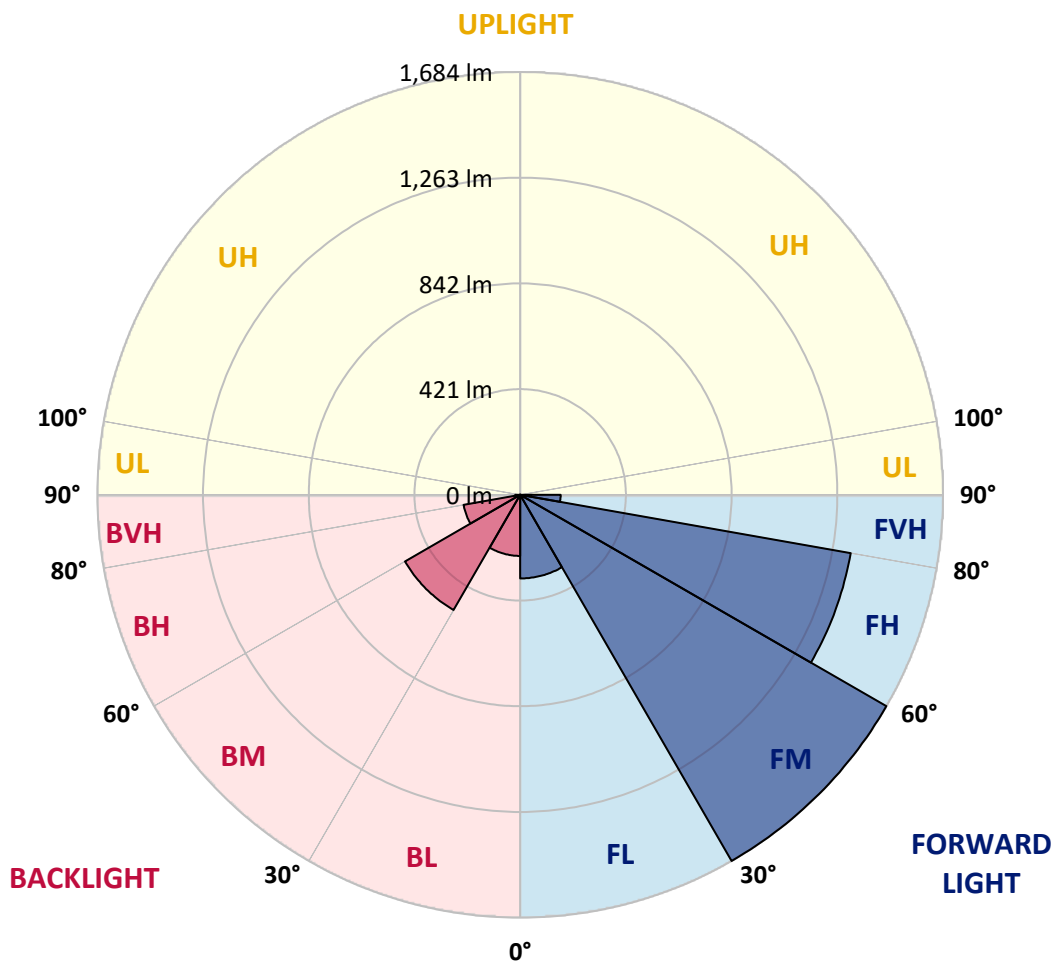
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.0	7.3			
FM	(30°-60°)	1683.9	37.1			
FH	(60°-80°)	1336.7	29.5			G1/1800
FVH	(80°-90°)	161.1	3.6			G2/225
BL	(0°-30°)	243.3	5.4	B1/500		
BM	(30°-60°)	529.6	11.7	B1/1000		
BH	(60°-80°)	228.7	5.0	B1/500		G1/500
BVH	(80°-90°)	19.7	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°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	597.5	561.8	562.4	561.4	561.4	560.7	561.4	560.7	560.1	560.1	560.4
5°	605.3	565.8	565.8	564.8	564.1	563.4	564.1	563.4	563.1	562.4	562.8
7.5°	612.7	568.2	566.8	565.5	563.8	564.5	564.5	564.1	564.5	564.1	564.8
10°	624.9	575.9	572.6	569.5	569.2	568.5	568.5	567.5	567.5	566.8	567.2
12.5°	655.9	599.9	596.2	590.8	589.8	586.7	585.1	583.0	579.7	576.6	574.3
15°	708.3	639.7	632.7	627.9	625.9	619.8	610.4	602.9	593.2	584.7	575.9
17.5°	772.4	693.1	684.6	678.6	668.4	651.9	636.0	617.8	598.9	581.7	565.8
20°	862.2	769.7	753.2	738.7	713.3	685.0	655.3	623.5	594.5	567.5	544.2
22.5°	983.8	868.6	837.9	799.1	752.2	704.2	657.0	613.1	574.3	539.1	508.1
25°	1123.5	963.2	907.8	841.0	769.0	702.9	640.8	584.4	539.1	493.9	460.1
27.5°	1226.5	1042.2	960.5	872.7	780.9	696.5	620.2	552.0	497.3	451.0	410.2
30°	1285.2	1087.4	989.2	886.2	782.9	685.7	594.2	515.2	452.0	397.0	357.9
32.5°	1323.0	1111.7	992.2	872.7	758.6	653.6	554.7	472.6	404.1	345.4	303.8
35°	1354.8	1121.5	978.0	842.6	712.7	605.0	504.0	422.0	349.4	295.4	252.9
37.5°	1367.6	1119.8	955.4	802.5	667.8	552.0	452.4	368.3	303.5	255.9	219.4
40°	1365.2	1104.3	924.7	759.6	615.1	496.6	397.7	323.8	271.1	230.9	204.2
42.5°	1349.4	1083.7	890.6	716.0	566.8	450.7	360.6	295.1	252.5	222.1	198.8
45°	1329.5	1059.0	859.5	676.2	528.7	417.9	338.9	287.0	250.2	221.1	196.1
47.5°	1302.4	1031.7	828.1	647.8	508.4	408.2	338.6	291.7	252.2	218.8	191.4
50°	1273.1	1011.8	810.9	635.7	506.1	414.2	350.4	299.1	253.5	216.4	185.0
52.5°	1252.5	1003.0	810.6	640.1	518.5	431.1	364.3	308.6	258.6	217.7	183.7
55°	1227.2	1001.6	819.3	659.0	545.9	459.8	386.2	324.8	269.1	222.8	184.7
57.5°	1228.9	1028.3	853.4	705.6	595.2	498.6	414.2	344.7	279.2	225.9	183.0
60°	1282.2	1090.4	920.6	785.2	659.7	544.2	442.9	355.5	278.5	219.1	174.9
62.5°	1392.2	1183.6	1021.2	878.8	725.2	579.3	453.4	352.5	268.4	204.6	161.7
65°	1523.6	1292.7	1119.1	951.3	765.0	587.4	444.3	335.6	248.1	185.7	145.8
67.5°	1654.9	1370.0	1175.5	971.9	748.8	554.7	410.5	297.8	213.7	160.0	127.9
70°	1702.2	1385.8	1171.1	925.7	675.2	473.3	337.9	239.7	171.5	131.0	107.7
72.5°	1631.3	1286.6	1041.1	786.6	548.9	367.0	247.8	176.9	131.0	102.6	87.8
75°	1368.3	1036.1	823.1	592.5	396.3	259.6	178.9	129.0	98.6	81.4	70.2
77.5°	975.3	721.4	560.7	389.2	257.2	179.9	128.3	96.9	78.3	65.2	57.1
80°	612.7	442.9	341.6	233.6	160.4	122.2	92.2	76.6	63.1	53.0	47.6
82.5°	369.0	257.9	201.2	145.2	105.3	83.7	67.9	60.1	50.3	43.9	40.8
85°	250.5	189.7	132.0	85.7	63.5	49.3	46.3	41.5	37.5	31.4	30.4
87.5°	47.9	67.9	59.1	35.1	23.3	19.9	17.6	16.9	15.2	12.2	13.8
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°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	558.4	557.7	556.4	556.4	555.3	553.3	553.0	551.6	549.9	550.3	549.9
5°	560.4	559.1	557.4	556.7	555.3	553.3	552.3	550.6	548.9	548.9	548.9
7.5°	562.8	561.1	559.7	557.4	554.7	552.6	549.9	547.9	546.9	546.6	546.9
10°	564.8	563.8	561.8	558.4	554.7	550.6	547.9	545.2	542.5	542.9	543.2
12.5°	569.2	565.8	560.4	555.3	549.6	544.5	539.8	536.4	533.1	533.1	533.4
15°	566.1	556.4	548.9	539.1	532.7	524.6	519.2	516.2	514.2	513.5	513.8
17.5°	548.3	536.4	525.3	516.5	507.7	501.3	499.0	496.9	494.2	495.6	494.2
20°	521.2	506.7	490.9	480.4	469.9	465.5	461.5	459.5	457.8	463.9	463.9
22.5°	482.4	464.9	448.7	435.8	424.0	419.3	415.2	412.9	413.9	421.3	422.0
25°	433.5	412.2	390.9	383.2	371.4	367.6	365.3	364.9	366.0	373.4	375.1
27.5°	381.5	359.2	341.0	323.1	317.7	314.6	310.3	315.3	316.3	324.4	327.8
30°	326.1	302.1	282.9	271.1	259.6	261.3	257.6	263.7	266.4	274.8	277.5
32.5°	269.4	246.8	227.5	215.7	207.6	208.6	205.9	211.3	214.0	224.2	229.2
35°	222.8	203.6	188.0	177.9	174.2	170.5	169.8	170.5	173.2	181.0	190.1
37.5°	196.1	180.3	169.1	161.7	156.6	154.3	152.9	152.9	152.9	154.6	159.0
40°	184.7	170.5	160.7	153.6	150.2	148.9	147.9	146.9	145.2	144.5	144.8
42.5°	179.6	163.4	152.9	147.5	145.5	145.5	145.5	144.8	143.1	141.5	139.8
45°	174.5	157.0	146.5	142.8	141.8	142.1	142.1	142.1	140.8	138.8	135.7
47.5°	168.1	149.9	139.4	137.1	137.1	138.1	138.4	138.4	137.1	135.0	132.7
50°	160.4	140.8	131.3	129.3	128.3	128.3	128.3	128.3	127.3	125.9	124.2
52.5°	156.3	135.7	125.9	123.9	123.9	122.9	122.5	121.5	120.5	119.5	117.1
55°	155.0	133.7	123.6	121.9	121.9	120.9	119.8	118.8	117.1	115.5	113.1
57.5°	151.2	129.3	120.5	119.2	119.2	118.5	117.5	116.5	114.8	112.4	109.4
60°	142.8	121.9	114.4	114.1	114.1	113.8	113.1	113.1	111.4	109.0	105.3
62.5°	132.0	114.1	107.0	107.0	106.7	106.3	105.0	104.7	102.6	99.6	96.2
65°	121.5	107.4	102.6	101.3	100.6	99.6	98.9	97.2	95.5	92.8	89.5
67.5°	108.4	97.2	94.2	92.8	91.5	90.5	89.5	88.5	86.4	84.4	81.7
70°	94.2	86.1	84.4	84.1	82.4	81.4	81.0	80.0	78.0	76.0	72.6
72.5°	80.7	76.0	74.6	74.6	72.6	71.2	70.6	70.2	68.9	67.2	64.1
75°	65.2	61.8	61.4	63.1	63.1	62.1	61.4	62.1	60.1	59.1	56.0
77.5°	53.3	51.7	50.6	51.3	53.3	52.3	51.0	51.0	51.0	49.3	48.3
80°	45.2	43.9	42.9	43.5	43.2	42.9	42.2	40.8	40.8	40.8	40.5
82.5°	40.8	40.5	36.8	36.8	35.4	34.4	33.8	33.1	32.4	32.4	34.1
85°	30.7	31.7	29.7	29.4	27.7	26.3	25.0	24.3	23.6	24.6	28.0
87.5°	14.9	14.9	14.2	15.9	14.5	13.8	12.8	12.2	12.8	15.9	18.9
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°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	549.3	548.9	548.6	547.9	546.6	546.2	545.6	545.6	545.2	544.5	545.2
5°	548.3	548.9	548.9	548.6	547.6	548.3	548.3	549.3	549.3	549.9	551.6
7.5°	546.9	548.6	549.9	551.0	552.3	553.3	555.3	558.4	559.7	562.1	563.1
10°	544.2	547.2	549.6	552.6	556.0	559.7	562.8	567.5	569.2	572.6	574.3
12.5°	536.4	541.5	545.6	551.6	557.4	563.1	568.5	574.6	577.6	581.3	583.7
15°	517.5	523.3	529.0	534.4	544.5	555.7	564.5	572.6	577.0	581.7	584.0
17.5°	494.9	498.6	503.4	510.4	520.2	530.0	544.2	555.7	562.4	567.8	568.5
20°	468.6	474.0	477.4	480.1	487.8	494.6	509.8	522.9	531.7	538.1	539.8
22.5°	428.4	434.1	439.9	441.9	448.0	456.8	465.2	479.4	491.9	501.3	507.1
25°	382.5	387.9	395.7	401.7	403.1	410.2	418.6	434.8	447.7	462.8	469.6
27.5°	336.6	341.3	349.7	353.1	357.2	364.3	371.0	384.5	398.0	415.6	423.0
30°	282.9	293.0	302.8	309.2	312.6	321.1	325.8	338.9	351.4	364.3	375.1
32.5°	237.0	246.1	257.2	265.4	269.4	275.8	283.2	294.4	304.2	316.7	329.2
35°	194.8	207.3	214.7	221.8	232.3	235.3	242.7	252.9	258.6	272.1	286.3
37.5°	165.1	172.5	179.9	187.0	195.8	199.9	206.9	215.4	222.1	230.2	243.1
40°	146.9	150.9	156.3	161.0	167.4	172.5	176.2	183.3	188.4	196.5	205.6
42.5°	138.4	139.4	140.1	143.5	146.9	150.2	154.3	157.3	163.4	169.5	175.2
45°	133.7	131.7	130.6	131.0	132.3	134.4	137.7	141.1	145.2	148.9	152.3
47.5°	129.6	126.9	123.9	122.2	122.5	123.2	125.9	128.6	130.6	133.7	135.0
50°	120.2	117.8	115.1	112.8	113.1	113.4	115.8	117.8	119.2	120.2	121.9
52.5°	114.1	110.7	108.4	106.0	105.7	106.7	108.7	110.7	111.4	112.1	112.4
55°	109.7	106.3	103.3	100.9	99.9	102.3	103.0	105.7	106.7	106.7	107.0
57.5°	106.3	102.3	99.3	96.9	95.2	96.9	98.6	101.6	102.0	101.3	101.3
60°	101.3	98.2	95.2	92.8	91.2	92.5	93.9	97.2	97.2	95.5	95.2
62.5°	92.5	90.8	88.8	87.8	87.4	88.8	89.8	92.5	91.5	89.5	88.8
65°	86.1	84.7	82.7	82.0	81.7	83.7	84.1	85.7	84.4	83.4	83.0
67.5°	78.3	77.3	76.3	76.0	74.9	74.9	75.6	76.6	76.0	76.0	76.3
70°	69.5	68.2	67.2	67.5	66.8	66.8	67.2	67.9	67.5	68.2	68.9
72.5°	61.4	59.8	59.4	59.4	58.7	59.1	59.1	59.4	60.1	60.4	62.1
75°	53.7	52.0	52.0	51.7	51.7	51.7	52.0	52.7	53.3	53.7	54.4
77.5°	46.6	45.6	45.9	45.6	45.6	45.6	45.6	46.6	46.9	47.3	48.3
80°	40.2	40.2	40.5	40.5	40.2	39.8	40.2	40.8	41.2	41.5	41.9
82.5°	36.5	36.8	36.8	36.8	35.1	34.4	35.4	36.1	36.8	37.1	37.8
85°	31.4	30.0	31.4	31.1	28.7	28.4	28.4	28.7	29.4	28.7	28.7
87.5°	20.3	18.2	19.2	19.2	16.9	13.8	17.6	18.9	16.9	17.9	17.9
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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	546.2	545.6	545.9	545.9	546.6	545.6	546.9	548.3	548.6	548.6	548.9
5°	553.3	552.6	555.0	554.0	556.4	556.0	557.7	559.1	559.7	559.7	559.7
7.5°	564.5	566.8	568.2	571.9	572.2	574.3	575.9	577.6	577.0	577.3	577.0
10°	577.0	580.0	583.4	587.1	587.4	589.8	592.5	594.2	593.5	593.2	592.1
12.5°	587.8	589.8	593.8	597.5	599.6	603.3	606.0	607.3	607.3	606.3	605.3
15°	587.1	590.1	594.5	599.9	603.6	609.0	613.8	616.8	617.1	616.1	615.8
17.5°	572.2	576.6	580.7	588.1	594.8	602.3	610.0	614.4	618.5	620.8	622.2
20°	545.6	551.0	556.7	566.5	575.6	585.4	594.5	600.9	607.0	614.1	622.5
22.5°	514.2	522.3	530.4	542.9	554.0	565.1	575.6	583.4	592.8	605.0	620.8
25°	477.4	485.8	495.9	510.4	524.6	540.8	556.4	571.9	590.1	611.0	635.7
27.5°	433.8	443.3	456.4	474.0	490.2	506.7	531.0	555.7	585.4	612.4	640.4
30°	390.6	402.8	416.9	434.5	450.7	474.3	498.6	529.0	560.4	590.8	624.2
32.5°	344.0	359.2	376.8	391.3	409.5	433.5	457.8	490.2	523.6	559.4	596.2
35°	299.1	313.6	327.5	343.7	361.9	384.5	408.2	439.2	481.4	519.6	563.4
37.5°	253.5	267.0	276.8	289.7	305.5	330.5	355.8	391.6	431.4	478.4	522.3
40°	213.7	224.8	236.0	246.1	259.6	283.2	310.3	345.4	384.5	430.1	479.0
42.5°	182.0	190.4	202.6	214.7	226.2	246.4	271.8	306.2	345.0	391.6	440.6
45°	155.3	161.0	170.8	181.0	195.1	212.0	236.3	271.4	310.9	357.9	409.5
47.5°	136.1	138.8	145.5	156.0	169.1	185.7	206.6	238.3	276.8	324.1	378.4
50°	122.9	125.9	129.3	138.1	149.9	166.8	184.0	211.7	246.8	293.0	347.0
52.5°	113.8	115.1	116.5	121.9	132.7	146.9	165.1	186.0	221.5	265.7	314.3
55°	108.4	108.7	109.7	112.4	120.5	133.7	149.6	169.5	197.2	239.0	288.6
57.5°	102.0	102.6	103.6	105.3	110.4	122.2	135.7	151.9	174.9	210.0	257.6
60°	95.9	97.6	99.3	100.3	103.0	110.1	121.5	134.4	152.9	179.3	217.1
62.5°	89.5	91.5	92.8	93.9	94.9	99.3	107.7	116.1	127.6	144.8	173.2
65°	83.7	85.1	86.1	86.8	87.4	88.8	92.5	95.9	99.3	109.7	130.3
67.5°	77.3	78.0	78.3	78.7	78.3	78.3	78.7	80.0	81.4	85.4	95.2
70°	69.9	70.9	70.9	71.2	71.2	70.2	70.2	70.2	70.2	71.2	76.6
72.5°	62.8	64.1	64.1	64.5	64.1	63.8	63.8	63.8	64.8	65.5	67.5
75°	56.0	57.4	57.1	57.4	57.7	57.7	58.4	58.7	59.8	60.1	61.4
77.5°	49.3	50.3	50.6	50.3	51.0	51.7	53.0	53.7	54.0	54.4	54.7
80°	42.9	43.5	43.2	42.2	43.9	44.9	46.9	49.3	48.6	49.0	49.6
82.5°	35.4	34.4	33.8	34.4	35.4	36.8	38.8	41.9	42.2	43.9	43.5
85°	27.3	24.3	24.0	25.7	25.3	27.0	30.4	32.7	34.8	36.5	34.8
87.5°	16.2	14.5	12.2	11.5	12.5	16.5	17.2	20.9	22.6	23.3	20.9
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	579.7	581.3	581.3	582.0	583.0	583.4	584.7	587.1	587.4	587.4	588.4
5°	590.5	592.1	592.1	593.5	593.8	595.5	597.2	599.9	601.3	600.9	605.3
7.5°	608.0	606.7	605.6	607.7	608.7	610.7	614.1	616.5	618.8	622.5	628.6
10°	622.9	620.8	619.8	621.2	621.9	624.2	626.2	629.6	635.4	641.1	648.5
12.5°	635.0	632.7	630.0	630.6	631.6	634.7	638.1	642.4	650.9	658.3	669.5
15°	645.1	641.8	639.1	640.4	642.8	646.8	652.6	660.3	674.2	687.0	701.9
17.5°	654.9	654.3	653.2	657.6	659.3	668.8	677.2	691.4	710.3	729.5	750.8
20°	664.4	671.8	675.5	684.3	689.7	702.5	715.4	732.6	756.6	782.9	811.9
22.5°	677.6	697.8	710.3	728.2	737.3	751.2	770.1	792.7	819.3	853.1	890.2
25°	709.0	738.7	763.6	791.7	814.6	835.9	858.5	885.9	924.3	955.1	1003.7
27.5°	722.8	764.7	802.1	841.6	876.1	908.8	944.6	977.7	1023.3	1064.8	1123.5
30°	709.6	756.9	805.5	857.2	907.5	957.1	1009.1	1059.7	1112.4	1170.4	1232.9
32.5°	685.3	738.3	793.0	853.8	916.2	980.7	1048.2	1121.8	1196.1	1268.3	1332.2
35°	660.7	717.7	778.5	848.0	921.6	1001.6	1085.4	1178.5	1276.8	1368.3	1451.7
37.5°	624.9	687.7	757.2	837.6	925.0	1023.6	1131.3	1246.1	1370.3	1496.2	1605.6
40°	581.7	648.2	724.1	816.6	921.6	1046.2	1186.3	1333.5	1493.2	1646.8	1781.2
42.5°	542.2	607.0	688.0	788.6	912.9	1066.1	1238.6	1422.0	1611.0	1782.8	1958.4
45°	507.4	579.0	660.3	769.0	908.5	1083.0	1277.5	1488.1	1704.5	1909.1	2116.4
47.5°	475.7	549.9	641.1	758.2	906.4	1093.1	1304.5	1531.3	1771.0	2006.0	2246.7
50°	442.9	515.2	612.7	746.4	901.4	1092.8	1318.7	1560.7	1817.6	2081.3	2336.5
52.5°	407.8	480.4	578.3	724.8	890.6	1086.7	1322.4	1580.6	1854.4	2127.5	2412.8
55°	375.7	443.6	541.5	688.7	868.0	1071.9	1313.9	1589.1	1880.4	2173.4	2466.5
57.5°	338.9	409.5	502.7	639.1	825.4	1045.5	1290.0	1577.3	1887.8	2204.2	2509.0
60°	288.3	357.5	453.4	580.3	758.9	989.8	1245.4	1541.5	1864.2	2209.6	2539.4
62.5°	230.2	290.0	382.5	499.3	665.4	902.4	1163.0	1461.1	1790.6	2158.9	2523.9
65°	171.2	211.0	290.7	393.3	557.0	770.7	1030.3	1326.4	1646.8	2018.2	2426.3
67.5°	119.2	147.9	196.8	273.1	405.1	595.2	841.0	1116.1	1424.3	1757.5	2223.7
70°	90.1	103.3	130.0	172.5	262.3	405.5	611.4	856.5	1142.4	1463.5	1902.7
72.5°	77.0	83.7	98.6	118.2	160.7	246.4	383.8	589.4	843.0	1104.3	1459.8
75°	69.2	74.9	84.4	96.9	113.8	149.6	225.2	373.0	558.4	739.7	1018.5
77.5°	62.8	67.9	76.3	82.7	91.8	107.7	143.5	223.2	334.6	457.1	632.0
80°	56.0	59.1	66.8	73.3	80.3	89.5	103.0	140.1	192.1	270.8	372.7
82.5°	47.9	50.3	56.0	64.8	70.2	73.9	78.0	92.8	115.1	146.9	206.9
85°	37.1	38.8	43.9	50.3	52.7	53.0	53.7	57.7	71.6	110.1	178.3
87.5°	18.9	20.9	26.3	28.4	24.0	26.0	26.3	28.0	37.1	60.4	61.4
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	0°
2.5°	588.4	589.4	591.8	591.5	593.2	593.2	593.2	594.8	593.8	594.8	596.5	2.5°
5°	605.3	607.0	610.4	610.4	610.7	609.7	611.7	613.1	611.4	610.7	611.0	5°
7.5°	630.0	632.7	635.4	638.1	640.1	639.1	639.4	636.4	635.7	633.3	630.3	7.5°
10°	653.9	661.4	666.4	671.1	671.5	670.5	670.8	665.7	664.7	660.0	657.0	10°
12.5°	678.6	688.0	696.1	701.2	704.2	704.9	705.2	705.2	700.5	696.5	689.4	12.5°
15°	715.0	731.6	744.1	749.5	753.9	757.9	758.9	760.3	756.6	751.2	750.1	15°
17.5°	772.8	788.3	804.8	819.3	829.1	829.8	838.3	837.6	845.3	839.3	837.6	17.5°
20°	841.3	875.0	892.3	911.5	922.7	928.1	947.6	941.6	947.3	957.1	947.3	20°
22.5°	927.0	969.9	994.9	1021.2	1039.5	1052.6	1066.8	1077.9	1093.5	1100.9	1094.1	22.5°
25°	1040.8	1089.8	1119.5	1155.9	1185.0	1208.6	1233.2	1262.9	1262.6	1280.5	1293.0	25°
27.5°	1171.5	1233.9	1277.1	1341.3	1366.3	1406.1	1448.3	1494.2	1502.3	1525.6	1537.4	27.5°
30°	1294.3	1371.7	1457.4	1533.7	1620.1	1679.2	1728.2	1760.6	1809.5	1797.4	1790.6	30°
32.5°	1407.8	1510.7	1633.0	1758.2	1895.3	1988.8	2075.2	2115.4	2145.8	2081.3	1995.9	32.5°
35°	1555.0	1678.2	1818.0	1972.6	2146.8	2279.5	2368.6	2381.1	2363.8	2281.1	2139.7	35°
37.5°	1737.3	1866.6	2025.6	2189.0	2374.0	2498.6	2600.2	2618.4	2572.8	2425.3	2276.7	37.5°
40°	1917.2	2068.8	2241.3	2434.7	2626.5	2763.6	2865.5	2870.9	2796.6	2624.1	2450.3	40°
42.5°	2114.0	2279.8	2471.9	2686.3	2884.4	3023.2	3096.8	3120.1	3015.1	2793.9	2627.2	42.5°
45°	2283.8	2482.0	2696.0	2923.9	3131.2	3262.9	3337.8	3330.4	3203.5	2985.0	2789.6	45°
47.5°	2449.3	2667.3	2892.9	3134.9	3340.9	3473.9	3550.8	3544.1	3383.1	3131.5	2916.5	47.5°
50°	2596.5	2833.1	3074.2	3332.8	3538.0	3659.9	3754.1	3724.4	3520.8	3249.4	2998.2	50°
52.5°	2698.7	2962.7	3214.6	3494.1	3705.5	3820.9	3940.8	3845.2	3602.2	3321.6	3042.1	52.5°
55°	2763.6	3051.9	3314.5	3623.8	3831.4	3969.5	4046.8	3911.1	3633.5	3341.5	3057.3	55°
57.5°	2807.5	3100.8	3373.3	3698.7	3944.8	4060.6	4079.5	3913.4	3613.3	3310.1	3042.1	57.5°
60°	2829.1	3115.3	3399.9	3751.4	4024.5	4088.0	4053.5	3858.7	3543.4	3218.0	2944.2	60°
62.5°	2826.7	3097.1	3386.1	3768.9	4040.4	4048.5	3970.1	3765.5	3414.8	3024.5	2781.5	62.5°
65°	2766.6	3030.6	3308.1	3703.8	3966.4	3931.6	3833.1	3590.7	3164.6	2772.0	2649.1	65°
67.5°	2593.4	2846.6	3104.2	3490.4	3758.1	3724.4	3575.1	3247.0	2874.0	2548.5	2482.3	67.5°
70°	2303.8	2518.5	2744.7	3083.9	3364.8	3319.2	3058.3	2858.8	2586.0	2290.3	2267.3	70°
72.5°	1926.0	2088.7	2252.8	2505.3	2698.7	2605.6	2441.5	2431.0	2210.6	1984.7	1989.5	72.5°
75°	1506.4	1628.6	1705.2	1853.7	1982.4	1899.0	1908.8	1966.8	1894.3	1716.3	1658.6	75°
77.5°	1091.4	1208.6	1232.9	1321.0	1411.5	1506.4	1631.9	1768.7	1791.6	1691.7	1482.4	77.5°
80°	714.4	843.3	795.4	826.8	954.0	1127.2	1356.5	1581.6	1658.9	1569.1	1311.6	80°
82.5°	421.3	601.9	525.6	579.3	660.0	810.9	969.2	1139.1	1268.3	1172.8	1095.5	82.5°
85°	320.0	474.7	502.7	567.8	594.2	600.6	628.3	683.6	750.5	775.5	773.4	85°
87.5°	166.8	369.0	414.2	383.2	357.5	309.9	241.7	260.3	238.0	325.4	308.2	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°
564.1	564.1	564.1	564.1	564.1	564.1	564.1
596.9	595.9	596.5	596.9	596.9	596.9	597.5
610.7	608.0	607.0	607.0	606.7	605.6	605.3
625.6	620.8	619.2	617.1	615.4	614.4	612.7
652.2	648.2	639.7	635.0	630.6	627.6	624.9
688.0	682.3	674.2	668.1	661.4	659.3	655.9
743.4	738.3	731.2	724.5	720.4	713.3	708.3
829.8	819.7	812.6	803.8	794.0	779.5	772.4
943.6	923.3	909.1	901.4	881.8	879.4	862.2
1074.2	1068.2	1046.5	1037.1	1018.2	1010.8	983.8
1269.7	1265.0	1220.7	1216.0	1187.0	1165.4	1123.5
1526.6	1487.8	1437.8	1403.1	1353.4	1297.7	1226.5
1751.1	1671.8	1595.5	1514.5	1445.9	1365.9	1285.2
1894.3	1787.9	1689.7	1606.6	1521.9	1426.7	1323.0
2019.8	1912.5	1805.5	1707.2	1604.6	1482.7	1354.8
2170.1	2063.4	1942.9	1804.8	1673.1	1523.9	1367.6
2324.0	2199.1	2048.5	1879.4	1714.0	1544.2	1365.2
2481.7	2322.0	2121.8	1929.0	1740.0	1547.2	1349.4
2609.6	2407.7	2176.1	1954.3	1745.4	1536.7	1329.5
2700.1	2462.8	2200.5	1963.1	1738.6	1520.2	1302.4
2751.7	2492.8	2206.5	1956.7	1724.8	1496.6	1273.1
2770.7	2501.9	2200.5	1943.5	1712.3	1471.2	1252.5
2768.6	2496.9	2178.2	1912.8	1678.9	1437.5	1227.2
2730.5	2449.9	2132.6	1876.0	1650.5	1422.0	1228.9
2665.7	2420.2	2119.1	1883.5	1665.4	1455.4	1282.2
2636.3	2479.6	2195.1	1957.7	1741.7	1550.9	1392.2
2619.7	2576.2	2303.8	2037.7	1832.1	1666.7	1523.6
2552.2	2603.9	2365.5	2083.3	1912.8	1782.8	1654.9
2443.2	2539.4	2318.6	2074.5	1957.4	1872.0	1702.2
2215.6	2317.3	2109.6	1945.2	1901.7	1873.3	1631.3
1795.0	1847.7	1729.5	1692.4	1708.6	1708.9	1368.3
1323.7	1292.0	1238.6	1241.3	1350.4	1333.5	975.3
1080.6	884.5	808.9	837.6	972.3	899.7	612.7
1005.7	789.0	651.2	658.0	734.3	579.7	369.0
813.3	719.1	576.6	517.5	502.3	386.2	250.5
340.3	313.0	232.9	210.0	172.2	105.3	47.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)