

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: P165395

Luminaire Tested: **VTS-E07-LED-E1-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165395
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E07-LED-E1-SL4-HSS-8030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (147) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

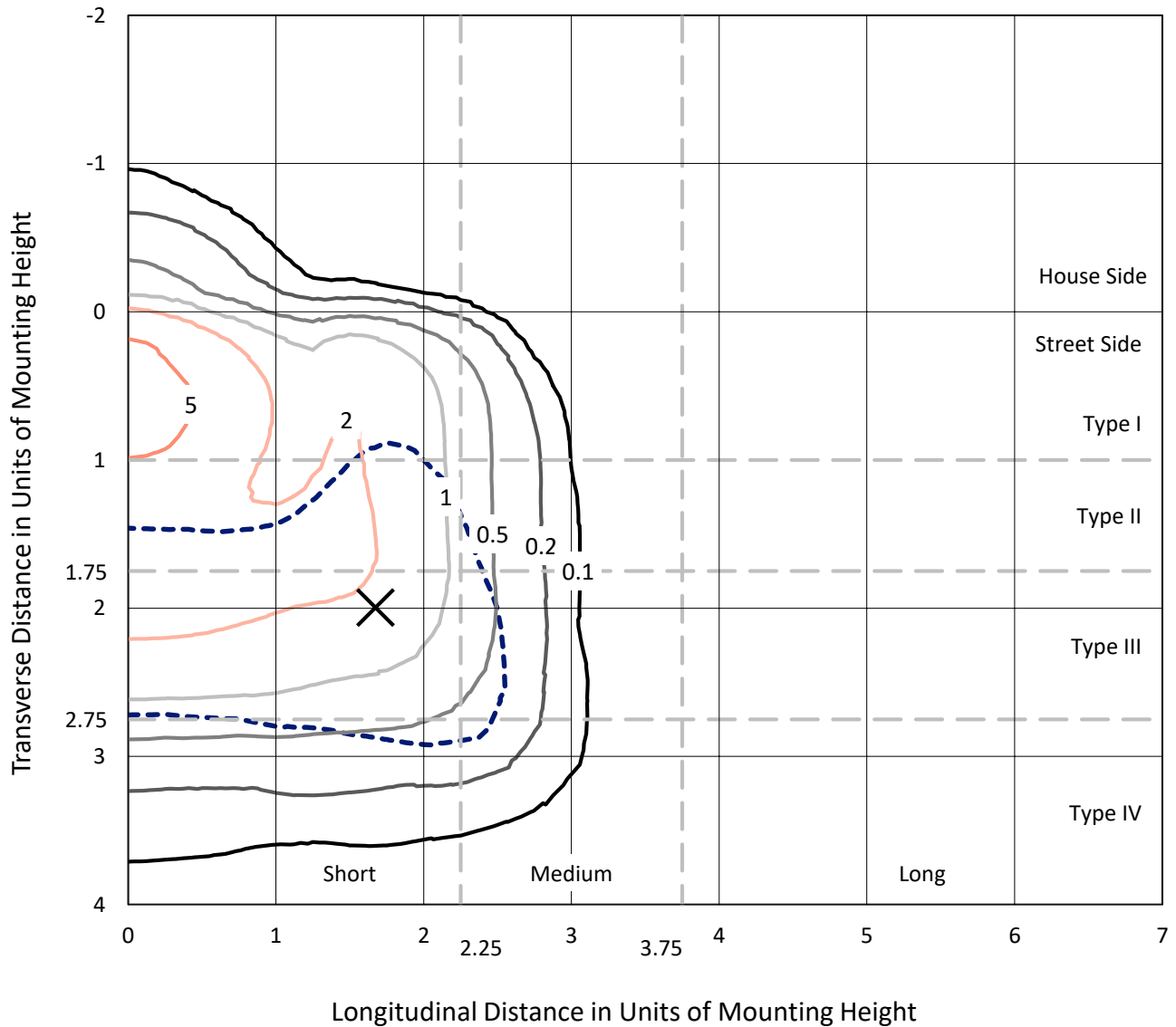
Lumens per Lamp: N/A
Luminaire Lumens: 11877.9 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 172.5
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

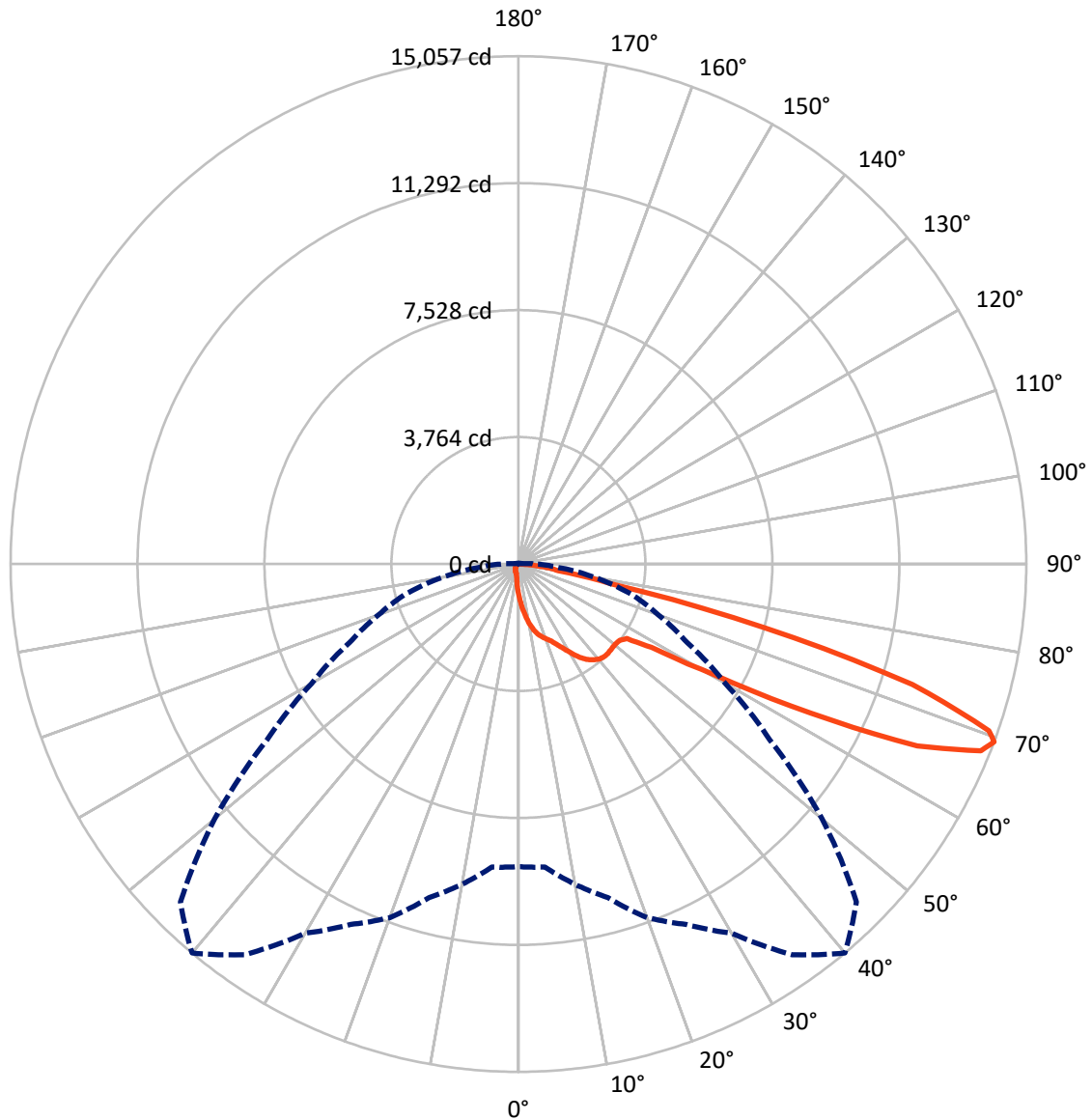


Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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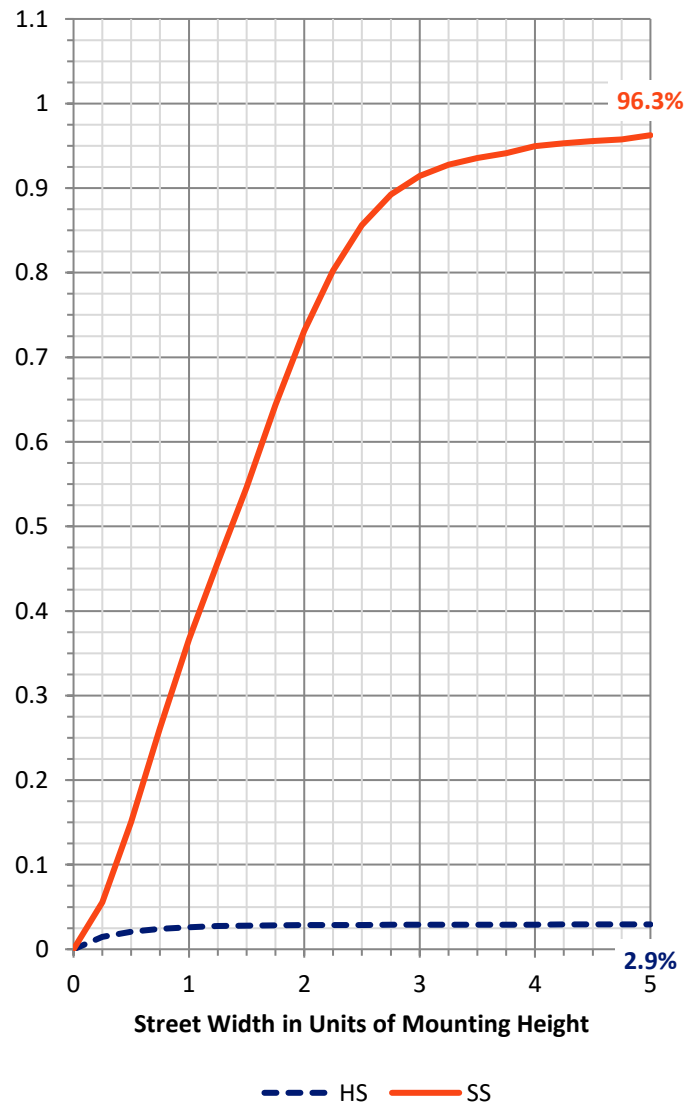
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	353.7	0.0	353.7
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	11524.1	0.0	11524.1
	% Fixture	97.0	0.0	97.0
Total	Lumens	11877.9	0.0	11877.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	0.8
10°-20°	317.9	2.7
20°-30°	608.4	5.1
30°-40°	1011.8	8.5
40°-50°	1369.1	11.5
50°-60°	2141.1	18.0
60°-70°	4402.1	37.1
70°-80°	1771.4	14.9
80°-90°	163.9	1.4
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°	11877.9	100.0
0°-180°	11877.9	100.0



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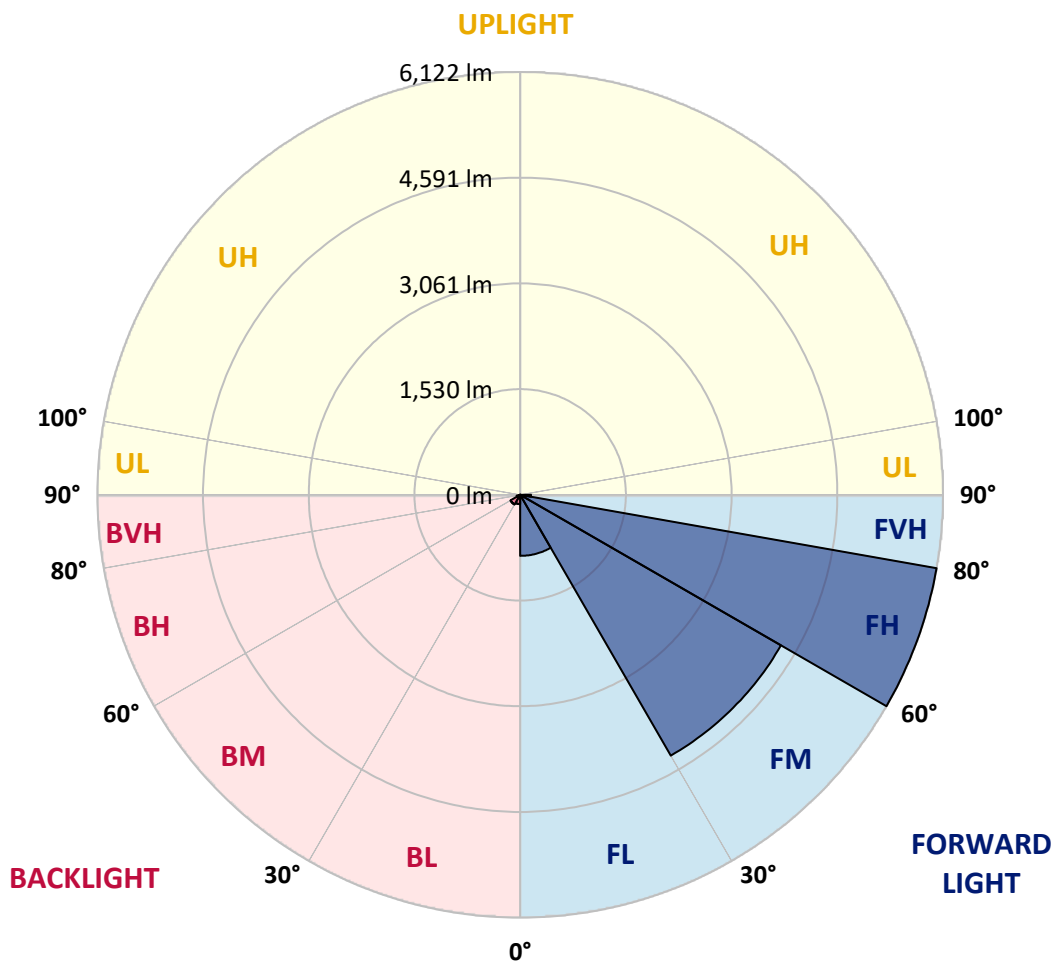
CATALOG NUMBER: VTS-E07-LED-E1-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	883.9	7.4			
FM	(30°-60°)	4360.5	36.7			
FH	(60°-80°)	6121.9	51.5			G3/7500
FVH	(80°-90°)	157.8	1.3			G2/225
BL	(0°-30°)	134.5	1.1	B1/500		
BM	(30°-60°)	161.5	1.4	B0/220		
BH	(60°-80°)	51.6	0.4	B0/110		G0/110
BVH	(80°-90°)	6.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1
2.5°	1196.7	1183.0	1167.4	1167.4	1148.0	1148.0	1136.3	1105.3	1101.4	1083.8	1066.3
5°	1527.4	1515.7	1496.4	1478.8	1463.3	1436.0	1416.5	1379.5	1338.7	1299.7	1264.8
7.5°	1850.5	1844.6	1809.6	1803.7	1778.4	1733.7	1694.8	1640.3	1570.2	1515.7	1451.6
10°	2150.1	2136.4	2128.6	2095.5	2058.7	2010.0	1949.6	1883.6	1801.8	1716.1	1624.7
12.5°	2387.5	2379.7	2344.6	2331.0	2292.2	2243.5	2167.6	2082.0	2000.3	1889.4	1782.3
15°	2564.5	2550.9	2527.5	2506.1	2459.5	2416.7	2346.6	2253.2	2154.0	2033.4	1905.0
17.5°	2712.5	2687.2	2681.3	2648.2	2599.6	2548.9	2471.2	2385.5	2268.8	2148.1	2008.0
20°	2910.8	2875.9	2864.2	2815.5	2759.1	2689.1	2599.6	2492.6	2369.9	2237.7	2093.7
22.5°	3144.3	3119.0	3093.8	3051.0	2979.0	2879.8	2749.4	2632.7	2477.0	2331.0	2175.4
25°	3475.2	3453.8	3412.9	3354.5	3265.0	3146.3	2988.7	2817.5	2634.6	2447.8	2264.9
27.5°	3796.2	3776.7	3747.5	3702.9	3601.6	3471.3	3276.7	3058.8	2827.2	2601.5	2399.1
30°	4097.9	4080.3	4051.1	4006.4	3916.8	3788.4	3568.5	3335.0	3047.1	2784.4	2541.2
32.5°	4422.8	4416.9	4383.8	4319.6	4241.8	4068.7	3829.3	3578.3	3286.5	2982.9	2698.7
35°	4790.5	4745.7	4714.7	4650.4	4518.2	4333.2	4053.1	3778.7	3471.3	3159.9	2842.8
37.5°	5101.9	5059.1	5020.1	4938.4	4776.9	4541.4	4224.3	3922.6	3605.5	3288.4	2965.3
40°	5329.4	5308.0	5261.4	5154.3	4973.4	4693.3	4350.7	4021.9	3702.9	3383.7	3064.6
42.5°	5498.8	5465.7	5413.2	5302.3	5088.3	4769.1	4401.3	4062.8	3747.5	3442.1	3128.8
45°	5561.0	5533.8	5485.2	5364.5	5132.9	4790.5	4399.4	4051.1	3749.5	3459.6	3171.6
47.5°	5524.0	5496.9	5454.0	5341.1	5113.6	4765.2	4364.4	4018.0	3730.0	3465.5	3210.5
50°	5401.5	5385.9	5352.8	5257.5	5053.2	4716.5	4333.2	4000.5	3726.1	3494.7	3265.0
52.5°	5389.8	5380.1	5339.2	5243.9	5035.7	4700.9	4329.3	4010.3	3759.2	3531.6	3304.0
55°	6586.4	6448.3	6138.9	5876.3	5444.3	4930.6	4525.8	4167.8	3899.4	3677.6	3517.9
57.5°	9361.1	9154.9	8748.2	8248.2	7255.8	6281.0	5500.8	4936.4	4658.2	4557.0	4617.3
60°	10660.9	10624.0	10559.7	10322.3	9814.5	8975.9	8041.9	7032.1	6627.3	6592.3	6714.8
62.5°	11277.8	11254.4	11273.9	11244.7	11087.1	10841.9	10573.3	10137.5	9736.6	9477.9	8929.1
65°	11561.8	11577.4	11688.3	11775.8	11795.3	11859.5	12056.1	12598.9	12995.8	12328.4	10804.9
67.5°	10839.9	10931.3	11186.3	11505.4	11879.0	12240.9	12824.6	13968.7	14784.0	13999.9	11836.2
69°	8973.9	9018.7	9641.3	10242.6	11155.1	11793.4	12639.8	14139.9	15056.5	14171.1	11754.4
70°	7065.1	7105.9	7773.4	8590.6	10133.6	10954.7	12061.9	13850.1	14801.5	13943.4	11334.1
72.5°	3187.2	3128.8	3364.2	3802.0	5479.3	6783.0	8719.1	11221.3	12211.7	11170.7	8479.7
75°	2226.0	2200.7	2226.0	2227.9	2488.7	3210.5	4051.1	6082.5	7522.3	6491.2	4051.1
77.5°	1723.9	1706.4	1689.0	1669.5	1700.7	1905.0	1986.6	2157.8	2801.9	2650.2	1544.9
80°	1364.0	1348.4	1391.2	1377.6	1377.6	1401.0	1385.4	1321.1	1200.5	1112.9	996.2
82.5°	634.3	638.2	638.2	692.6	834.8	974.8	1019.6	955.4	848.4	721.8	581.8
85°	60.3	68.1	114.9	177.1	352.2	396.9	398.9	330.7	330.7	260.8	210.1
87.5°	0.0	1.9	1.9	1.9	17.5	48.7	40.9	11.7	5.8	5.8	9.7
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°	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1
2.5°	1035.2	1029.3	1006.0	982.6	961.2	937.8	916.4	895.1	871.7	854.2	832.8
5°	1210.3	1167.4	1118.8	1072.2	1025.4	976.8	926.2	881.5	834.8	791.9	751.0
7.5°	1387.3	1303.6	1237.5	1153.8	1078.0	1002.1	932.0	860.1	793.9	731.6	673.3
10°	1537.1	1436.0	1332.8	1225.9	1116.8	1015.7	918.4	832.8	745.2	669.4	597.4
12.5°	1659.8	1531.3	1404.9	1270.6	1148.0	1019.6	899.0	795.8	692.6	607.1	533.1
15°	1770.6	1622.8	1471.0	1315.3	1159.7	1013.8	879.5	751.0	646.0	548.7	465.1
17.5°	1860.2	1690.9	1519.6	1344.5	1177.2	1006.0	854.2	719.9	597.4	496.1	414.5
20°	1938.0	1760.9	1576.1	1379.5	1188.9	1004.0	832.8	681.1	554.5	447.6	367.7
22.5°	2010.0	1832.9	1634.5	1424.3	1206.4	1002.1	813.3	651.9	517.5	410.6	330.7
25°	2091.8	1905.0	1696.8	1471.0	1237.5	1009.9	801.7	628.5	484.5	375.5	301.5
27.5°	2183.2	1986.6	1770.6	1529.3	1278.4	1025.4	797.8	603.2	455.3	342.4	278.3
30°	2311.5	2084.0	1844.6	1587.7	1315.3	1043.0	793.9	587.6	426.1	317.1	254.9
32.5°	2424.5	2179.3	1926.3	1648.1	1356.2	1060.5	791.9	566.2	398.9	291.9	237.4
35°	2543.1	2266.9	1996.4	1706.4	1391.2	1079.9	790.0	550.6	373.6	266.6	219.9
37.5°	2646.3	2340.7	2050.9	1757.0	1430.2	1097.5	791.9	537.0	350.2	245.2	204.3
40°	2733.8	2416.7	2111.1	1803.7	1471.0	1124.6	793.9	523.4	326.9	225.7	190.7
42.5°	2811.7	2488.7	2175.4	1856.3	1517.7	1155.8	805.6	511.7	307.4	208.2	177.1
45°	2872.0	2554.8	2245.4	1930.2	1593.6	1206.4	827.0	503.9	288.0	192.6	165.4
47.5°	2934.2	2652.1	2364.1	2047.0	1704.6	1286.2	864.0	502.1	272.4	180.9	155.6
50°	3019.9	2749.4	2469.2	2165.6	1805.7	1367.9	908.6	503.9	253.0	169.3	145.9
52.5°	3082.2	2848.6	2605.4	2371.9	2047.0	1616.9	1081.9	538.9	243.2	159.5	134.2
55°	3449.9	3409.0	3414.8	3453.8	3202.8	2751.3	1809.6	778.3	286.1	180.9	132.3
57.5°	4864.5	5008.4	5092.1	5090.2	4675.7	3878.0	2430.3	1000.1	319.1	210.1	157.6
60°	6724.6	6615.7	6462.0	6082.5	5531.8	4426.7	2718.2	1076.1	276.3	167.3	144.0
62.5°	8368.8	7730.5	7164.3	6549.5	5827.6	4617.3	2776.6	1070.2	241.3	126.4	101.1
65°	9394.2	8246.2	7331.7	6561.1	5710.8	4457.8	2626.8	982.6	204.3	103.2	83.7
67.5°	9639.4	7967.9	6674.1	5691.4	4771.0	3469.4	1928.2	739.4	159.5	85.7	74.0
69°	9104.2	7082.7	5529.9	4415.0	3471.3	2301.9	1192.8	467.0	122.5	77.9	68.1
70°	8374.6	6160.3	4504.4	3543.2	2570.4	1616.9	834.8	328.8	99.3	72.0	62.3
72.5°	5387.9	3235.8	2214.3	1541.0	1060.5	644.1	326.9	147.9	75.9	60.3	50.6
75°	2089.8	1196.7	867.9	659.6	515.6	358.0	198.5	95.4	64.2	50.6	38.9
77.5°	1029.3	788.0	644.1	441.7	256.9	159.5	107.1	74.0	52.6	37.0	25.3
80°	813.3	540.9	323.0	200.4	151.7	114.9	81.8	60.3	38.9	23.4	17.5
82.5°	416.4	227.7	167.3	136.2	112.8	89.6	66.2	42.8	25.3	15.6	13.6
85°	130.3	95.4	85.7	83.7	77.9	64.2	46.7	27.3	15.6	9.7	9.7
87.5°	9.7	13.6	17.5	13.6	15.6	13.6	17.5	11.7	7.8	7.8	5.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1
2.5°	817.2	793.9	772.5	758.8	733.5	723.8	714.2	710.3	692.6	696.5	681.1
5°	714.2	673.3	642.1	611.0	581.8	560.4	542.8	521.4	503.9	496.1	480.6
7.5°	620.7	568.2	527.3	494.3	459.2	432.0	408.6	393.0	377.5	361.9	354.1
10°	538.9	482.6	435.9	402.8	369.7	346.3	328.8	317.1	307.4	301.5	299.7
12.5°	463.1	408.6	365.8	336.6	311.3	299.7	291.9	286.1	284.1	282.2	282.2
15°	404.7	350.2	317.1	295.8	284.1	278.3	276.3	272.4	268.6	266.6	266.6
17.5°	350.2	309.3	286.1	274.4	268.6	264.7	260.8	256.9	253.0	251.0	251.0
20°	313.2	280.2	268.6	260.8	254.9	251.0	245.2	241.3	239.4	237.4	235.5
22.5°	284.1	262.7	254.9	249.1	241.3	235.5	231.6	227.7	223.8	221.8	219.9
25°	262.7	249.1	243.2	235.5	227.7	221.8	216.0	210.1	206.3	204.3	200.4
27.5°	247.1	237.4	229.6	219.9	212.1	206.3	200.4	194.6	190.7	186.8	184.8
30°	233.5	223.8	214.0	206.3	196.5	190.7	182.9	177.1	175.1	171.2	167.3
32.5°	219.9	210.1	200.4	190.7	180.9	173.2	169.3	161.5	157.6	155.6	151.7
35°	204.3	194.6	182.9	175.1	165.4	157.6	151.7	145.9	142.0	138.1	136.2
37.5°	190.7	179.0	167.3	157.6	149.8	142.0	136.2	130.3	126.4	122.5	120.6
40°	175.1	163.4	151.7	142.0	134.2	128.4	122.5	116.7	112.8	111.0	111.0
42.5°	161.5	147.9	136.2	128.4	122.5	114.9	108.9	103.2	101.1	99.3	101.1
45°	147.9	134.2	124.5	116.7	111.0	103.2	97.2	93.3	91.5	93.3	95.4
47.5°	136.2	122.5	112.8	107.1	101.1	95.4	89.6	85.7	85.7	89.6	93.3
50°	124.5	111.0	103.2	99.3	93.3	87.6	79.8	77.9	79.8	83.7	87.6
52.5°	112.8	97.2	91.5	89.6	83.7	77.9	72.0	70.1	72.0	75.9	74.0
55°	101.1	85.7	83.7	81.8	75.9	68.1	62.3	62.3	62.3	60.3	56.5
57.5°	97.2	75.9	74.0	72.0	66.2	58.4	54.5	50.6	48.7	42.8	40.9
60°	101.1	68.1	68.1	64.2	58.4	50.6	44.8	38.9	35.0	31.1	31.1
62.5°	81.8	62.3	60.3	56.5	48.7	40.9	35.0	29.2	27.3	25.3	25.3
65°	66.2	56.5	52.6	46.7	40.9	33.1	27.3	23.4	21.4	21.4	23.4
67.5°	60.3	50.6	44.8	38.9	33.1	25.3	21.4	19.5	19.5	21.4	21.4
69°	56.5	46.7	40.9	35.0	29.2	23.4	19.5	19.5	19.5	19.5	21.4
70°	52.6	44.8	38.9	33.1	25.3	19.5	17.5	17.5	19.5	19.5	21.4
72.5°	40.9	35.0	33.1	27.3	19.5	17.5	15.6	17.5	17.5	19.5	19.5
75°	31.1	25.3	25.3	21.4	15.6	13.6	13.6	15.6	15.6	17.5	17.5
77.5°	21.4	17.5	17.5	15.6	13.6	11.7	11.7	13.6	15.6	15.6	17.5
80°	15.6	13.6	11.7	13.6	11.7	9.7	11.7	13.6	13.6	15.6	15.6
82.5°	11.7	11.7	11.7	11.7	9.7	9.7	11.7	11.7	13.6	15.6	15.6
85°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	11.7	11.7	13.6	13.6
87.5°	5.8	5.8	5.8	7.8	7.8	9.7	9.7	9.7	9.7	11.7	11.7
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):

	165°	170°	175°	180°
0°	897.1	897.1	897.1	897.1
2.5°	677.2	675.2	667.4	669.4
5°	474.8	463.1	470.9	469.0
7.5°	348.3	346.3	344.4	348.3
10°	297.8	297.8	295.8	297.8
12.5°	280.2	280.2	280.2	280.2
15°	266.6	266.6	264.7	264.7
17.5°	251.0	251.0	251.0	249.1
20°	235.5	233.5	233.5	233.5
22.5°	217.9	216.0	216.0	216.0
25°	200.4	198.5	198.5	198.5
27.5°	182.9	180.9	179.0	179.0
30°	165.4	163.4	161.5	161.5
32.5°	147.9	145.9	144.0	144.0
35°	132.3	132.3	130.3	128.4
37.5°	118.7	118.7	118.7	118.7
40°	108.9	111.0	111.0	111.0
42.5°	103.2	105.0	107.1	108.9
45°	99.3	103.2	105.0	105.0
47.5°	97.2	99.3	101.1	101.1
50°	89.6	87.6	87.6	87.6
52.5°	72.0	68.1	66.2	64.2
55°	52.6	50.6	46.7	46.7
57.5°	37.0	37.0	35.0	35.0
60°	29.2	29.2	27.3	29.2
62.5°	25.3	25.3	25.3	25.3
65°	23.4	23.4	23.4	23.4
67.5°	23.4	23.4	23.4	23.4
69°	21.4	21.4	21.4	21.4
70°	21.4	21.4	21.4	21.4
72.5°	19.5	19.5	19.5	19.5
75°	17.5	19.5	19.5	19.5
77.5°	17.5	17.5	17.5	17.5
80°	15.6	15.6	17.5	17.5
82.5°	15.6	15.6	15.6	15.6
85°	13.6	13.6	15.6	15.6
87.5°	11.7	11.7	13.6	13.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)