

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: P165385

Luminaire Tested: **VTS-E06-LED-E1-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165385
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-E06-LED-E1-SL4-HSS-8030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10181 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

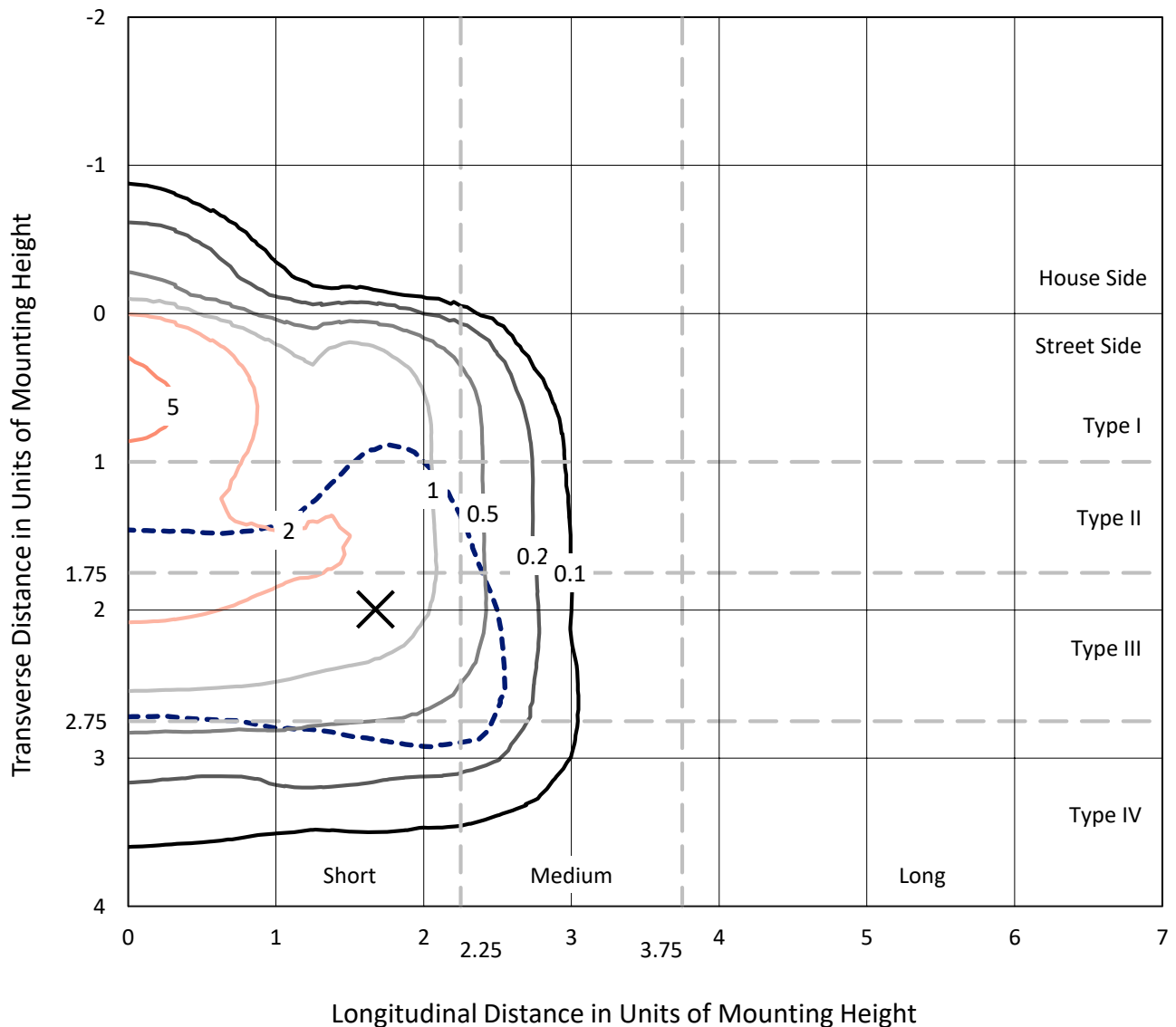
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

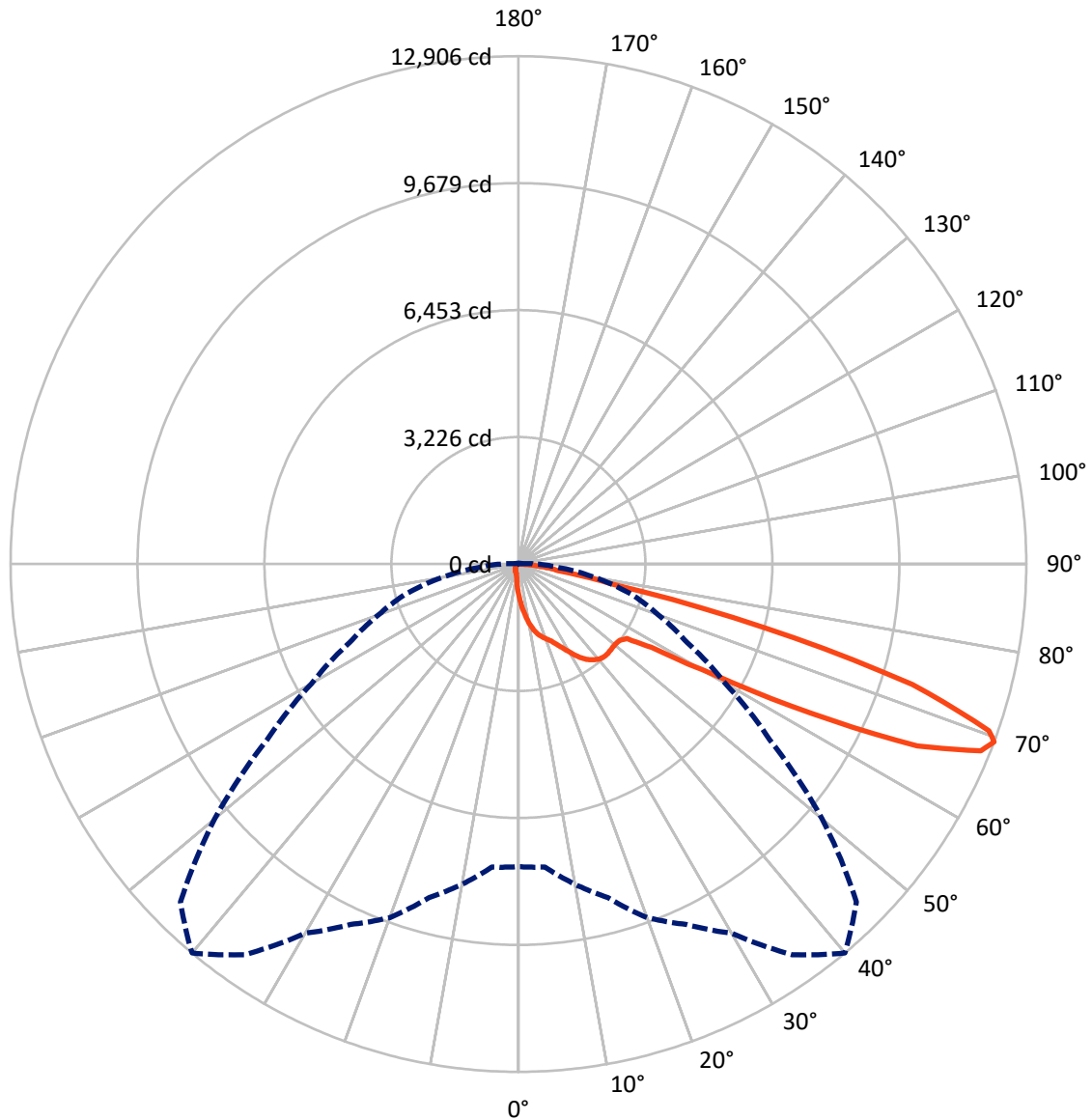


Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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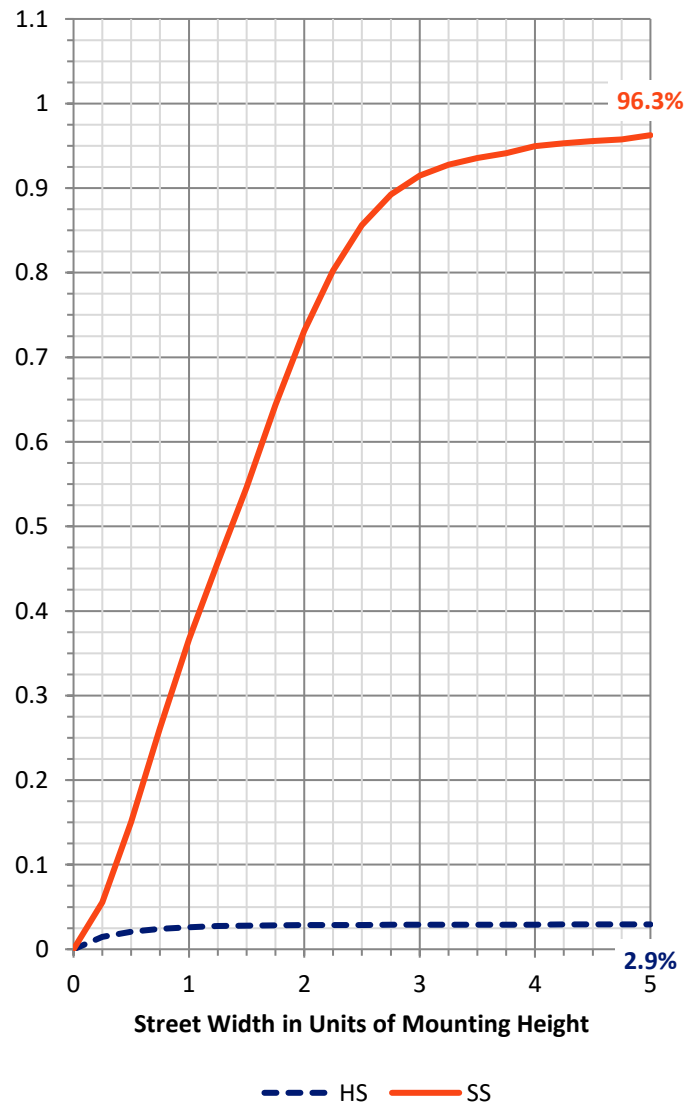
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	303.2	0.0	303.2
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	9877.8	0.0	9877.8
	% Fixture	97.0	0.0	97.0
Total	Lumens	10181.0	0.0	10181.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	0.8
10°-20°	272.5	2.7
20°-30°	521.5	5.1
30°-40°	867.3	8.5
40°-50°	1173.5	11.5
50°-60°	1835.3	18.0
60°-70°	3773.3	37.1
70°-80°	1518.3	14.9
80°-90°	140.4	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°	10181.0	100.0
0°-180°	10181.0	100.0



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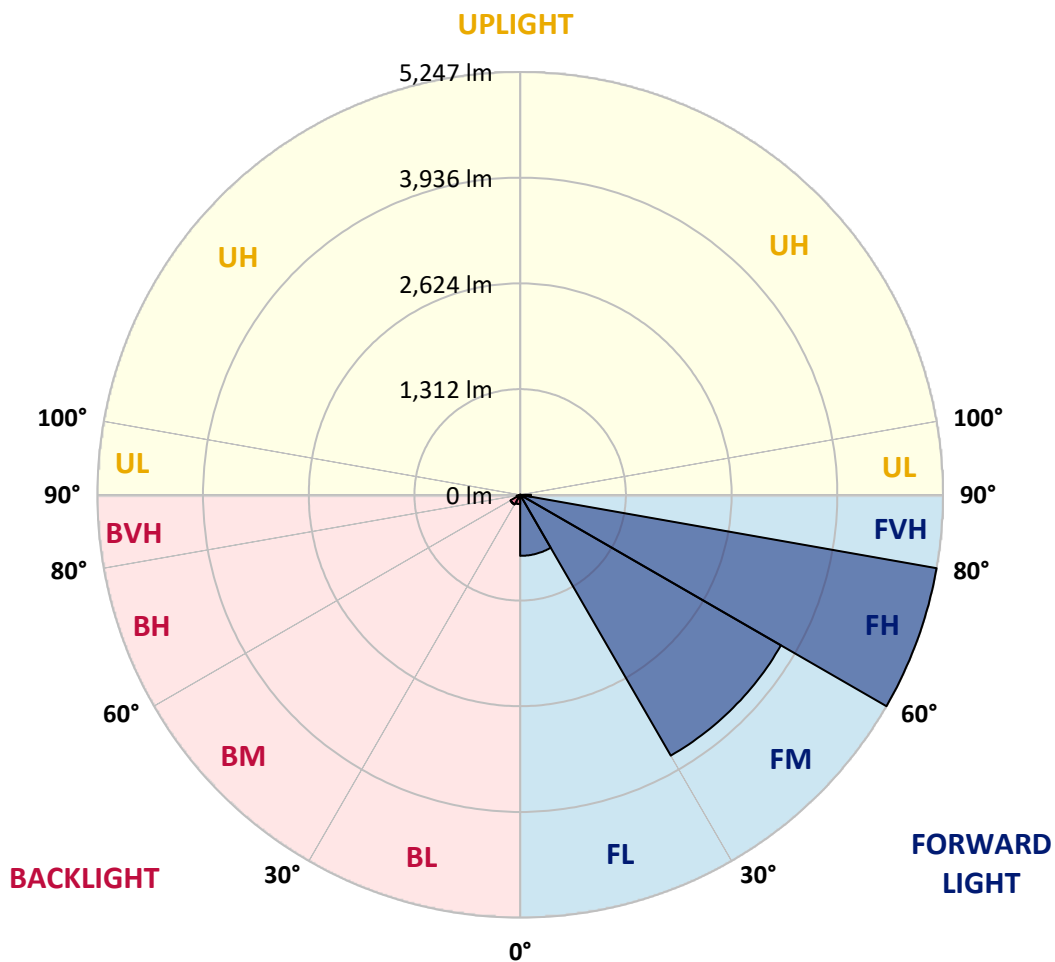
CATALOG NUMBER: VTS-E06-LED-E1-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	757.7	7.4			
FM	(30°-60°)	3737.6	36.7			
FH	(60°-80°)	5247.3	51.5			G3/7500
FVH	(80°-90°)	135.2	1.3			G2/225
BL	(0°-30°)	115.3	1.1	B1/500		
BM	(30°-60°)	138.4	1.4	B0/220		
BH	(60°-80°)	44.2	0.4	B0/110		G0/110
BVH	(80°-90°)	5.2	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°	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9
2.5°	1025.8	1014.0	1000.6	1000.6	984.0	984.0	974.0	947.4	944.0	928.9	913.9
5°	1309.2	1299.2	1282.6	1267.5	1254.2	1230.8	1214.1	1182.4	1147.5	1114.1	1084.1
7.5°	1586.1	1581.1	1551.1	1546.0	1524.3	1486.1	1452.6	1406.0	1345.9	1299.2	1244.2
10°	1843.0	1831.2	1824.5	1796.2	1764.6	1722.9	1671.1	1614.5	1544.4	1471.0	1392.6
12.5°	2046.4	2039.8	2009.7	1998.0	1964.7	1923.0	1858.0	1784.5	1714.6	1619.4	1527.7
15°	2198.2	2186.5	2166.5	2148.1	2108.1	2071.5	2011.4	1931.3	1846.3	1742.9	1632.8
17.5°	2325.0	2303.3	2298.2	2269.9	2228.2	2184.8	2118.1	2044.7	1944.7	1841.3	1721.1
20°	2495.0	2465.0	2455.0	2413.3	2365.0	2304.9	2228.2	2136.5	2031.4	1918.0	1794.6
22.5°	2695.1	2673.5	2651.8	2615.1	2553.4	2468.4	2356.7	2256.6	2123.1	1998.0	1864.6
25°	2978.7	2960.4	2925.3	2875.3	2798.5	2696.9	2561.7	2415.0	2258.2	2098.1	1941.3
27.5°	3253.9	3237.2	3212.2	3173.9	3087.1	2975.4	2808.6	2621.8	2423.3	2229.9	2056.4
30°	3512.5	3497.4	3472.3	3434.1	3357.3	3247.2	3058.7	2858.6	2611.8	2386.6	2178.2
32.5°	3791.0	3785.9	3757.5	3702.6	3635.8	3487.4	3282.2	3067.1	2817.0	2556.8	2313.2
35°	4106.2	4067.8	4041.1	3986.0	3872.7	3714.2	3474.1	3238.9	2975.4	2708.5	2436.7
37.5°	4373.0	4336.4	4302.9	4233.0	4094.5	3892.7	3620.8	3362.3	3090.4	2818.6	2541.7
40°	4568.1	4549.8	4509.7	4418.0	4262.9	4022.8	3729.2	3447.3	3173.9	2900.3	2626.8
42.5°	4713.2	4684.9	4639.9	4544.8	4361.4	4087.8	3772.5	3482.4	3212.2	2950.4	2681.9
45°	4766.6	4743.3	4701.6	4598.2	4399.7	4106.2	3770.9	3472.3	3213.9	2965.3	2718.5
47.5°	4734.9	4711.6	4674.8	4578.1	4383.0	4084.5	3740.9	3444.0	3197.2	2970.4	2751.8
50°	4629.9	4616.5	4588.1	4506.4	4331.3	4042.8	3714.2	3429.0	3193.8	2995.4	2798.5
52.5°	4619.8	4611.5	4576.5	4494.8	4316.3	4029.4	3710.9	3437.4	3222.2	3027.1	2832.0
55°	5645.5	5527.1	5261.9	5036.8	4666.5	4226.3	3879.3	3572.4	3342.3	3152.2	3015.4
57.5°	8023.8	7847.1	7498.5	7069.9	6219.2	5383.7	4714.9	4231.2	3992.7	3906.0	3957.7
60°	9137.9	9106.3	9051.2	8847.7	8412.4	7693.7	6893.0	6027.5	5680.5	5650.6	5755.6
62.5°	9666.7	9646.6	9663.3	9638.3	9503.2	9293.0	9062.8	8689.3	8345.7	8123.9	7653.5
65°	9910.1	9923.5	10018.5	10093.6	10110.3	10165.3	10333.8	10799.1	11139.3	10567.2	9261.3
67.5°	9291.3	9369.7	9588.3	9861.7	10182.0	10492.2	10992.5	11973.2	12672.0	11999.9	10145.3
69°	7691.9	7730.3	8264.0	8779.4	9561.5	10108.6	10834.1	12119.9	12905.6	12146.7	10075.2
70°	6055.8	6090.8	6662.9	7363.4	8686.0	9389.8	10338.8	11871.5	12687.0	11951.5	9715.0
72.5°	2731.9	2681.9	2883.6	3258.9	4696.5	5814.0	7473.5	9618.3	10467.2	9574.9	7268.3
75°	1908.0	1886.3	1908.0	1909.6	2133.1	2751.8	3472.3	5213.5	6447.7	5563.9	3472.3
77.5°	1477.7	1462.7	1447.7	1431.0	1457.7	1632.8	1702.8	1849.6	2401.6	2271.6	1324.2
80°	1169.2	1155.8	1192.5	1180.8	1180.8	1200.9	1187.5	1132.4	1029.0	953.9	853.9
82.5°	543.7	547.0	547.0	593.7	715.5	835.6	873.9	818.9	727.2	618.7	498.7
85°	51.7	58.3	98.4	151.8	301.9	340.2	341.9	283.5	283.5	223.5	180.1
87.5°	0.0	1.6	1.6	1.6	15.0	41.7	35.0	10.0	5.0	5.0	8.3
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°	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9
2.5°	887.3	882.2	862.3	842.2	823.9	803.9	785.5	767.2	747.1	732.1	713.8
5°	1037.4	1000.6	959.0	919.0	878.9	837.3	793.9	755.5	715.5	678.8	643.7
7.5°	1189.1	1117.4	1060.7	989.0	924.0	858.9	798.9	737.2	680.5	627.1	577.1
10°	1317.5	1230.8	1142.4	1050.8	957.3	870.6	787.2	713.8	638.8	573.7	512.1
12.5°	1422.7	1312.6	1204.2	1089.1	984.0	873.9	770.5	682.1	593.7	520.4	457.0
15°	1517.7	1391.0	1260.8	1127.4	994.1	869.0	753.8	643.7	553.7	470.3	398.6
17.5°	1594.4	1449.3	1302.5	1152.5	1009.0	862.3	732.1	617.1	512.1	425.3	355.3
20°	1661.2	1509.4	1351.0	1182.4	1019.1	860.6	713.8	583.8	475.3	383.6	315.2
22.5°	1722.9	1571.0	1401.0	1220.8	1034.1	858.9	697.1	558.8	443.6	351.9	283.5
25°	1792.9	1632.8	1454.4	1260.8	1060.7	865.6	687.2	538.7	415.2	321.9	258.5
27.5°	1871.3	1702.8	1517.7	1310.9	1095.7	878.9	683.8	517.0	390.2	293.5	238.5
30°	1981.3	1786.3	1581.1	1360.9	1127.4	894.0	680.5	503.7	365.2	271.8	218.5
32.5°	2078.1	1868.0	1651.2	1412.6	1162.5	909.0	678.8	485.3	341.9	250.2	203.5
35°	2179.8	1943.0	1711.2	1462.7	1192.5	925.6	677.2	472.0	320.2	228.5	188.5
37.5°	2268.2	2006.3	1757.9	1506.0	1225.9	940.7	678.8	460.3	300.2	210.2	175.1
40°	2343.3	2071.5	1809.6	1546.0	1260.8	964.0	680.5	448.7	280.2	193.4	163.5
42.5°	2410.0	2133.1	1864.6	1591.1	1300.9	990.7	690.5	438.6	263.5	178.5	151.8
45°	2461.7	2189.9	1924.6	1654.5	1365.9	1034.1	708.9	432.0	246.8	165.1	141.8
47.5°	2515.1	2273.2	2026.4	1754.6	1461.0	1102.4	740.6	430.3	233.4	155.1	133.4
50°	2588.5	2356.7	2116.4	1856.2	1547.7	1172.5	778.8	432.0	216.8	145.1	125.1
52.5°	2641.9	2441.6	2233.2	2033.1	1754.6	1385.9	927.3	461.9	208.4	136.7	115.1
55°	2957.0	2922.0	2927.0	2960.4	2745.3	2358.3	1551.1	667.1	245.2	155.1	113.4
57.5°	4169.6	4292.9	4364.6	4363.0	4007.7	3324.0	2083.1	857.2	273.6	180.1	135.1
60°	5764.0	5670.6	5538.8	5213.5	4741.6	3794.3	2329.9	922.3	236.8	143.4	123.5
62.5°	7173.3	6626.2	6140.8	5613.9	4995.1	3957.7	2380.0	917.3	206.8	108.4	86.7
65°	8052.2	7068.2	6284.4	5623.8	4895.0	3820.9	2251.5	842.2	175.1	88.4	71.7
67.5°	8262.3	6829.6	5720.6	4878.3	4089.4	2973.8	1652.8	633.8	136.7	73.4	63.4
69°	7803.6	6070.9	4740.0	3784.3	2975.4	1973.0	1022.4	400.3	105.0	66.7	58.3
70°	7178.2	5280.3	3861.0	3037.1	2203.2	1385.9	715.5	281.9	85.1	61.7	53.4
72.5°	4618.2	2773.5	1898.0	1320.9	909.0	552.1	280.2	126.8	65.0	51.7	43.3
75°	1791.2	1025.8	743.9	565.3	442.0	306.9	170.1	81.7	55.0	43.3	33.3
77.5°	882.2	675.4	552.1	378.6	220.2	136.7	91.8	63.4	45.1	31.7	21.7
80°	697.1	463.7	276.9	171.8	130.0	98.4	70.1	51.7	33.3	20.1	15.0
82.5°	356.9	195.2	143.4	116.8	96.7	76.8	56.7	36.7	21.7	13.4	11.6
85°	111.7	81.7	73.4	71.7	66.7	55.0	40.0	23.4	13.4	8.3	8.3
87.5°	8.3	11.6	15.0	11.6	13.4	11.6	15.0	10.0	6.7	6.7	5.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9
2.5°	700.4	680.5	662.2	650.4	628.7	620.4	612.1	608.8	593.7	597.0	583.8
5°	612.1	577.1	550.3	523.7	498.7	480.4	465.3	446.9	432.0	425.3	411.9
7.5°	532.0	487.1	452.0	423.6	393.6	370.3	350.2	336.9	323.6	310.2	303.5
10°	461.9	413.6	373.6	345.3	316.9	296.8	281.9	271.8	263.5	258.5	256.8
12.5°	396.9	350.2	313.6	288.5	266.9	256.8	250.2	245.2	243.5	241.9	241.9
15°	346.9	300.2	271.8	253.5	243.5	238.5	236.8	233.4	230.2	228.5	228.5
17.5°	300.2	265.1	245.2	235.2	230.2	226.9	223.5	220.2	216.8	215.1	215.1
20°	268.5	240.1	230.2	223.5	218.5	215.1	210.2	206.8	205.2	203.5	201.8
22.5°	243.5	225.1	218.5	213.5	206.8	201.8	198.5	195.2	191.8	190.1	188.5
25°	225.1	213.5	208.4	201.8	195.2	190.1	185.1	180.1	176.8	175.1	171.8
27.5°	211.8	203.5	196.8	188.5	181.8	176.8	171.8	166.8	163.5	160.1	158.4
30°	200.1	191.8	183.4	176.8	168.4	163.5	156.8	151.8	150.1	146.8	143.4
32.5°	188.5	180.1	171.8	163.5	155.1	148.5	145.1	138.4	135.1	133.4	130.0
35°	175.1	166.8	156.8	150.1	141.8	135.1	130.0	125.1	121.7	118.4	116.8
37.5°	163.5	153.4	143.4	135.1	128.4	121.7	116.8	111.7	108.4	105.0	103.4
40°	150.1	140.1	130.0	121.7	115.1	110.1	105.0	100.1	96.7	95.1	95.1
42.5°	138.4	126.8	116.8	110.1	105.0	98.4	93.4	88.4	86.7	85.1	86.7
45°	126.8	115.1	106.7	100.1	95.1	88.4	83.4	80.0	78.4	80.0	81.7
47.5°	116.8	105.0	96.7	91.8	86.7	81.7	76.8	73.4	73.4	76.8	80.0
50°	106.7	95.1	88.4	85.1	80.0	75.0	68.4	66.7	68.4	71.7	75.0
52.5°	96.7	83.4	78.4	76.8	71.7	66.7	61.7	60.1	61.7	65.0	63.4
55°	86.7	73.4	71.7	70.1	65.0	58.3	53.4	53.4	53.4	51.7	48.4
57.5°	83.4	65.0	63.4	61.7	56.7	50.0	46.7	43.3	41.7	36.7	35.0
60°	86.7	58.3	58.3	55.0	50.0	43.3	38.4	33.3	30.0	26.6	26.6
62.5°	70.1	53.4	51.7	48.4	41.7	35.0	30.0	25.0	23.4	21.7	21.7
65°	56.7	48.4	45.1	40.0	35.0	28.4	23.4	20.1	18.3	18.3	20.1
67.5°	51.7	43.3	38.4	33.3	28.4	21.7	18.3	16.7	16.7	18.3	18.3
69°	48.4	40.0	35.0	30.0	25.0	20.1	16.7	16.7	16.7	16.7	18.3
70°	45.1	38.4	33.3	28.4	21.7	16.7	15.0	15.0	16.7	16.7	18.3
72.5°	35.0	30.0	28.4	23.4	16.7	15.0	13.4	15.0	15.0	16.7	16.7
75°	26.6	21.7	21.7	18.3	13.4	11.6	11.6	13.4	13.4	15.0	15.0
77.5°	18.3	15.0	15.0	13.4	11.6	10.0	10.0	11.6	13.4	13.4	15.0
80°	13.4	11.6	10.0	11.6	10.0	8.3	10.0	11.6	11.6	13.4	13.4
82.5°	10.0	10.0	10.0	10.0	8.3	8.3	10.0	10.0	11.6	13.4	13.4
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.0	10.0	11.6	11.6
87.5°	5.0	5.0	5.0	6.7	6.7	8.3	8.3	8.3	8.3	10.0	10.0
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°
0°	768.9	768.9	768.9	768.9
2.5°	580.4	578.7	572.0	573.7
5°	406.9	396.9	403.6	402.0
7.5°	298.6	296.8	295.2	298.6
10°	255.2	255.2	253.5	255.2
12.5°	240.1	240.1	240.1	240.1
15°	228.5	228.5	226.9	226.9
17.5°	215.1	215.1	215.1	213.5
20°	201.8	200.1	200.1	200.1
22.5°	186.8	185.1	185.1	185.1
25°	171.8	170.1	170.1	170.1
27.5°	156.8	155.1	153.4	153.4
30°	141.8	140.1	138.4	138.4
32.5°	126.8	125.1	123.5	123.5
35°	113.4	113.4	111.7	110.1
37.5°	101.8	101.8	101.8	101.8
40°	93.4	95.1	95.1	95.1
42.5°	88.4	90.0	91.8	93.4
45°	85.1	88.4	90.0	90.0
47.5°	83.4	85.1	86.7	86.7
50°	76.8	75.0	75.0	75.0
52.5°	61.7	58.3	56.7	55.0
55°	45.1	43.3	40.0	40.0
57.5°	31.7	31.7	30.0	30.0
60°	25.0	25.0	23.4	25.0
62.5°	21.7	21.7	21.7	21.7
65°	20.1	20.1	20.1	20.1
67.5°	20.1	20.1	20.1	20.1
69°	18.3	18.3	18.3	18.3
70°	18.3	18.3	18.3	18.3
72.5°	16.7	16.7	16.7	16.7
75°	15.0	16.7	16.7	16.7
77.5°	15.0	15.0	15.0	15.0
80°	13.4	13.4	15.0	15.0
82.5°	13.4	13.4	13.4	13.4
85°	11.6	11.6	13.4	13.4
87.5°	10.0	10.0	11.6	11.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)