

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: P165171

Luminaire Tested: **VTS-F06-LED-E1-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165171
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-SL3-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7750 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

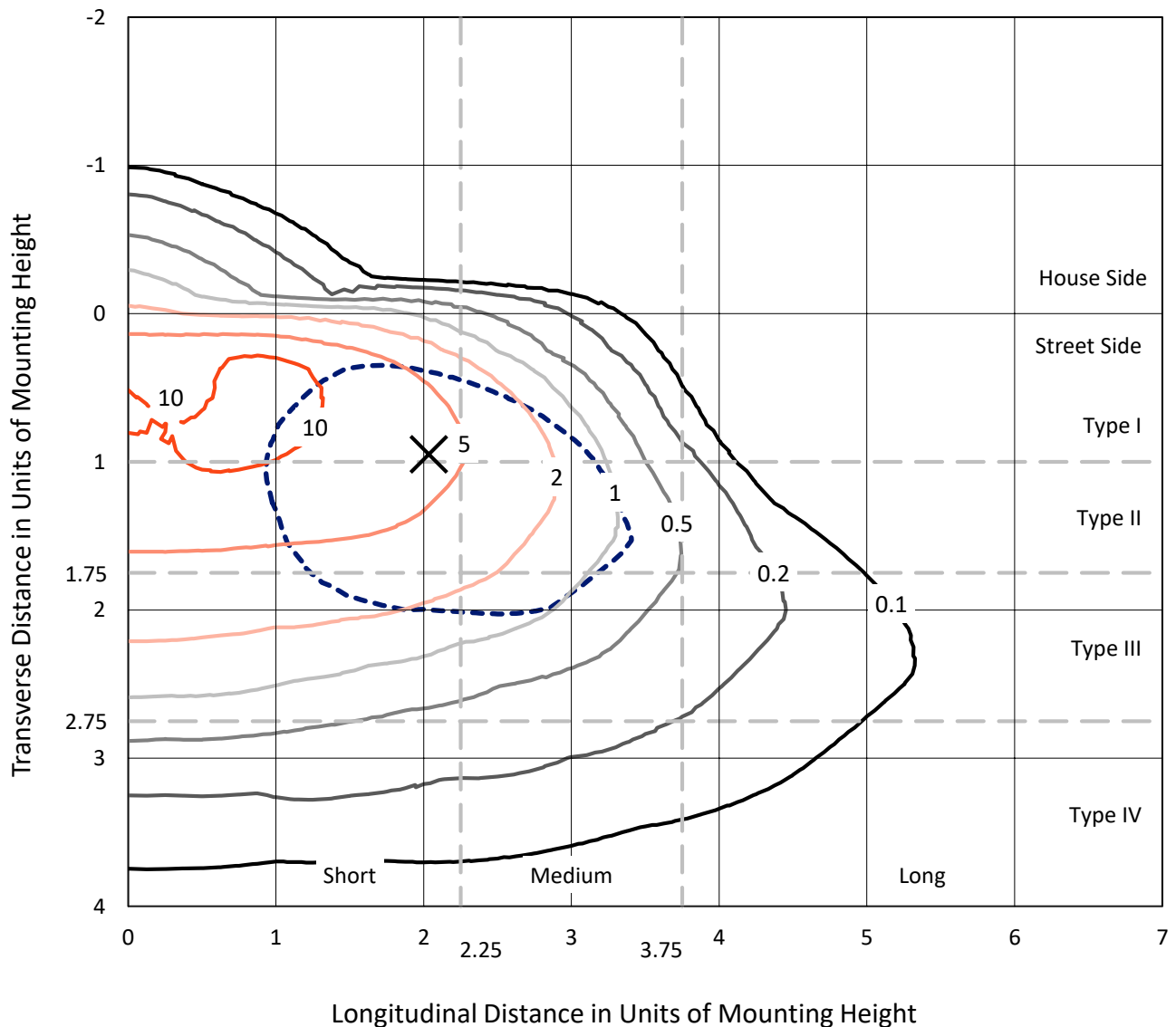
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

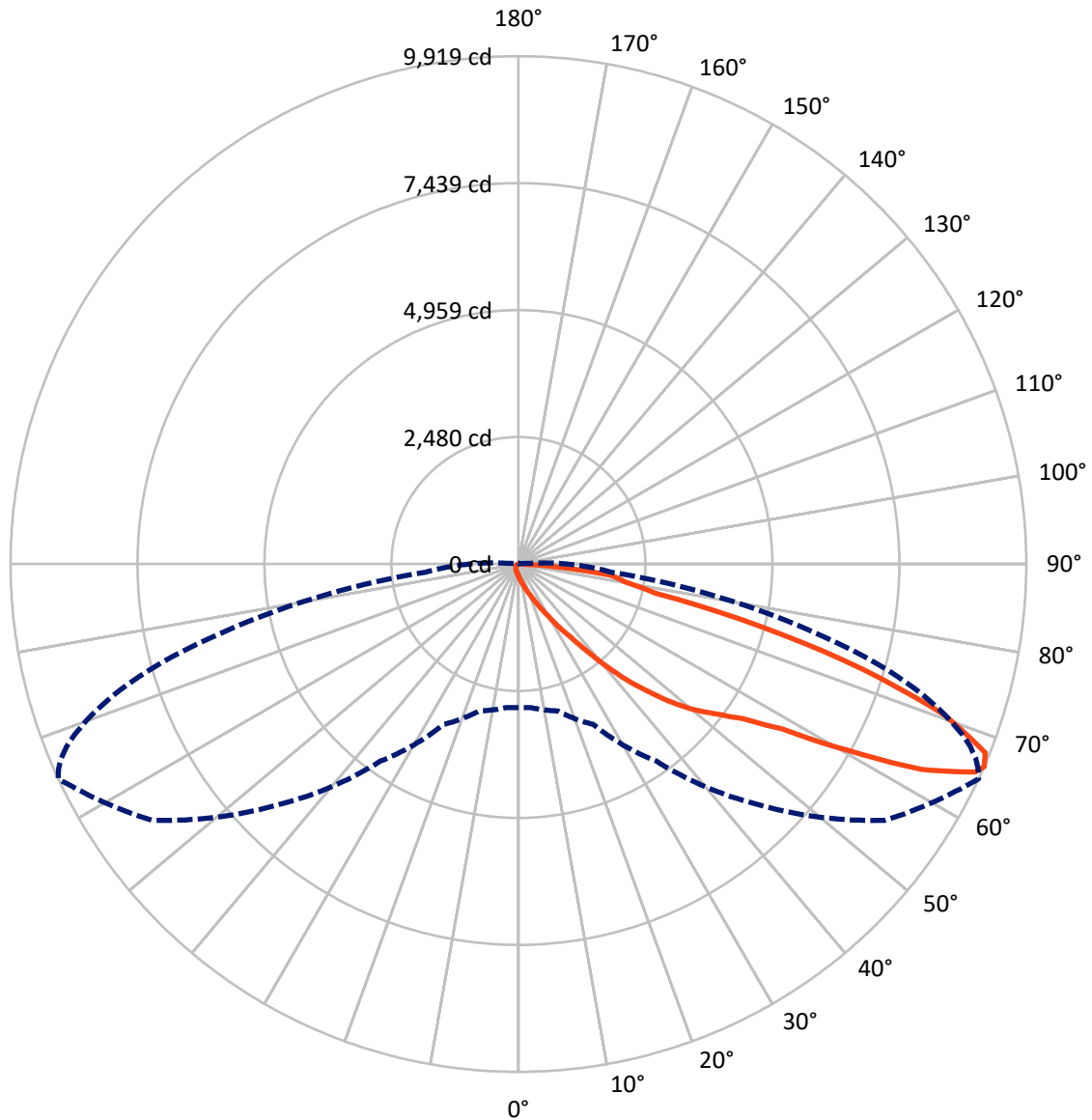
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	167.9	0.0	167.9
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	7582.1	0.0	7582.1
	% Fixture	97.8	0.0	97.8
Total	Lumens	7750.0	0.0	7750.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	0.3
10°-20°	111.0	1.4
20°-30°	239.5	3.1
30°-40°	511.4	6.6
40°-50°	1131.0	14.6
50°-60°	1916.7	24.7
60°-70°	2557.7	33.0
70°-80°	1126.6	14.5
80°-90°	129.8	1.7
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°	7750.0	100.0
0°-180°	7750.0	100.0



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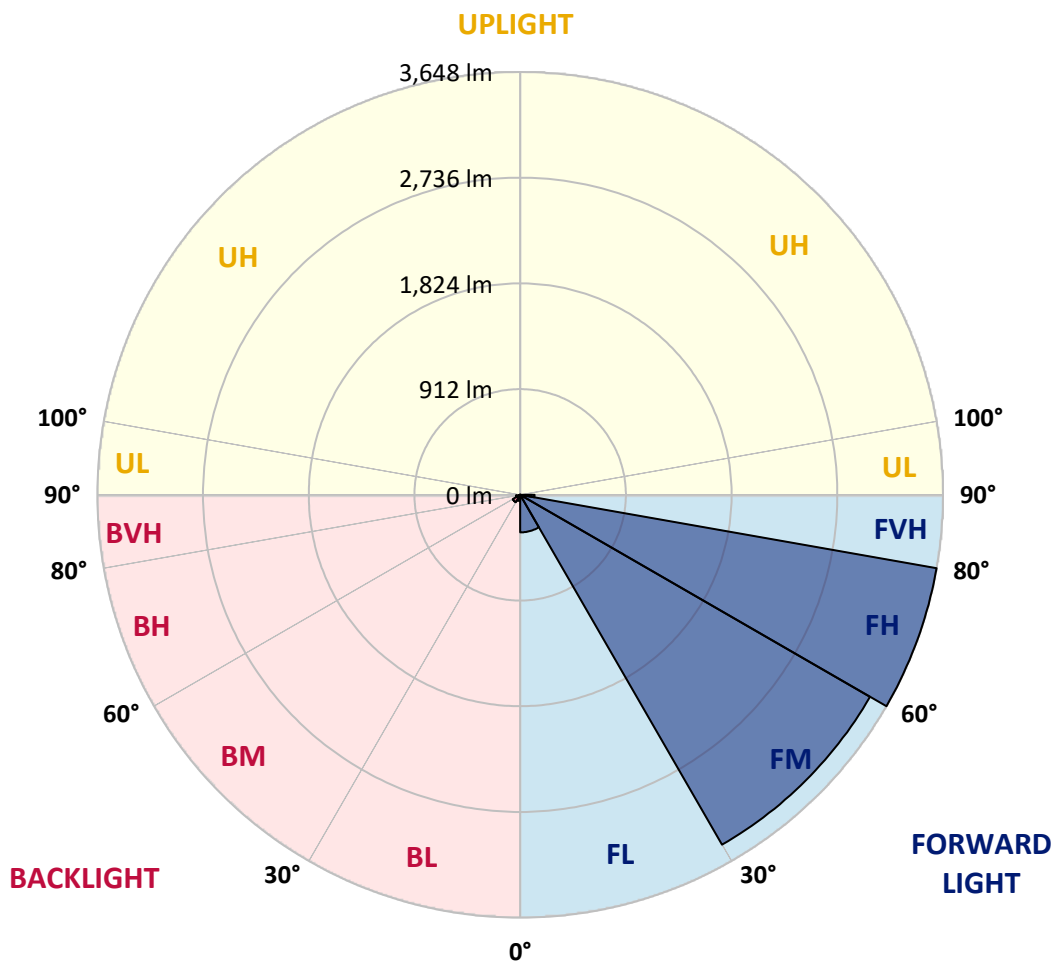
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.7	4.2			
FM	(30°-60°)	3485.4	45.0			
FH	(60°-80°)	3648.3	47.1			G2/5000
FVH	(80°-90°)	124.6	1.6			G2/225
BL	(0°-30°)	53.0	0.7	B0/110		
BM	(30°-60°)	73.7	1.0	B0/220		
BH	(60°-80°)	36.0	0.5	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: B0-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9
2.5°	295.1	293.5	287.5	287.5	278.6	272.7	265.2	257.8	257.8	256.2	254.8
5°	390.3	381.5	379.9	363.5	350.2	330.8	312.9	289.1	286.1	283.1	281.6
7.5°	496.2	494.6	481.3	461.9	435.1	399.3	363.5	324.8	318.8	315.9	309.9
10°	633.3	625.8	607.9	575.1	534.9	487.2	429.1	368.0	360.6	354.6	351.6
12.5°	764.4	751.0	740.5	698.8	648.1	578.1	508.0	420.2	414.2	406.8	394.9
15°	886.5	874.6	856.7	821.0	764.4	676.4	594.5	487.2	472.3	461.9	452.9
17.5°	981.9	974.5	953.6	913.4	852.2	774.8	676.4	555.7	543.9	530.4	514.0
20°	1072.8	1062.3	1029.6	974.5	908.9	849.2	773.3	645.1	628.7	612.4	594.5
22.5°	1159.2	1148.7	1095.2	1004.2	934.2	908.9	882.1	746.5	721.1	707.7	689.8
25°	1279.9	1257.6	1174.1	1029.6	935.7	955.1	1001.2	877.6	853.8	834.4	806.1
27.5°	1442.3	1412.5	1281.4	1066.8	941.6	1005.8	1138.3	1037.0	1011.6	989.3	958.1
30°	1625.5	1606.2	1449.7	1156.2	984.9	1080.2	1291.8	1239.7	1209.9	1183.0	1145.8
32.5°	1810.3	1783.5	1628.5	1326.1	1101.0	1224.7	1484.0	1475.1	1436.4	1411.0	1370.8
35°	1972.7	1959.3	1844.6	1604.6	1366.3	1478.1	1740.3	1750.7	1716.5	1689.6	1644.9
37.5°	2083.0	2083.0	2060.7	1904.1	1788.0	1871.4	2117.2	2118.8	2084.5	2023.4	2001.0
40°	2139.6	2155.9	2236.5	2266.2	2260.3	2367.6	2612.0	2585.1	2556.8	2525.5	2451.0
42.5°	2255.8	2270.7	2442.0	2647.7	2781.8	2923.3	3091.7	3082.7	3048.5	2991.9	2923.3
45°	2452.5	2471.9	2676.0	3002.3	3277.9	3479.1	3586.3	3544.6	3510.3	3456.8	3420.9
47.5°	2702.8	2740.1	2971.0	3374.8	3707.0	4039.3	4151.0	4040.8	4011.0	3969.2	3911.1
50°	2969.5	3005.3	3251.1	3713.0	4088.5	4484.8	4671.1	4484.8	4441.6	4428.1	4362.6
52.5°	3200.4	3230.3	3467.2	3973.8	4380.5	4845.3	5116.5	4870.7	4839.4	4794.7	4747.0
55°	3337.5	3361.4	3583.3	4098.9	4578.7	5170.2	5547.2	5331.1	5284.9	5267.1	5198.5
57.5°	3383.7	3407.5	3607.2	4115.3	4685.9	5466.7	6070.2	6077.6	6022.5	5958.4	5937.5
60°	3383.7	3410.5	3578.9	4075.1	4790.2	5782.5	6767.4	7388.7	7269.6	7257.6	7181.6
62.5°	3243.7	3269.0	3438.8	3951.4	4930.3	6208.7	7738.9	8835.5	8801.3	8723.7	8598.6
65°	2939.7	2954.6	3121.4	3635.5	4876.6	6600.5	8580.7	9798.0	9742.9	9590.9	9430.0
66°	2802.6	2814.5	2971.0	3455.2	4700.8	6654.2	8729.7	9918.7	9827.9	9699.6	9517.9
67.5°	2604.4	2625.3	2735.5	3120.0	4279.2	6467.9	8635.9	9833.8	9754.8	9599.8	9418.1
70°	1738.8	1723.9	2112.8	2394.4	3260.1	5270.1	7747.8	8829.5	8831.0	8758.0	8685.0
72.5°	825.4	834.4	947.6	1473.5	2133.6	3520.8	6167.0	7047.5	7148.9	7017.7	6926.8
75°	593.0	606.4	675.0	901.4	1272.4	2112.8	3997.6	4928.8	4931.8	4699.3	4492.3
77.5°	172.8	180.3	253.3	555.7	953.6	1425.9	2296.0	2740.1	2676.0	2509.1	2352.6
80°	71.5	71.5	74.5	177.3	382.9	968.5	1606.2	2109.8	2102.4	2038.3	1945.9
82.5°	26.8	28.3	35.7	73.0	90.9	238.4	1071.3	1831.2	1826.7	1735.8	1670.2
85°	3.0	3.0	9.0	31.3	34.3	44.7	214.5	807.5	803.1	807.5	707.7
87.5°	0.0	0.0	1.4	3.0	4.4	6.0	9.0	31.3	34.3	32.8	29.8
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9
2.5°	254.8	251.8	251.8	250.4	250.4	250.4	248.8	247.4	247.4	245.8	244.4
5°	278.6	275.6	274.2	271.2	269.7	268.2	265.2	263.7	260.8	259.2	257.8
7.5°	306.9	300.9	299.5	295.1	290.5	287.5	284.6	280.1	277.1	271.2	269.7
10°	342.7	335.2	329.3	323.3	318.8	311.4	306.9	300.9	295.1	290.5	286.1
12.5°	388.9	378.5	369.5	363.5	353.1	344.2	335.2	330.8	318.8	312.9	305.5
15°	439.5	427.6	417.2	405.3	397.8	382.9	371.0	357.6	351.6	341.2	329.3
17.5°	505.1	485.7	469.3	457.5	442.5	427.6	414.2	400.8	382.9	371.0	356.1
20°	575.1	558.7	536.4	515.6	497.6	479.8	460.4	442.5	426.2	406.8	388.9
22.5°	664.6	640.7	613.9	593.0	569.2	549.8	523.0	499.2	472.3	447.0	426.2
25°	777.8	746.5	721.1	691.4	663.0	633.3	600.4	570.7	536.4	512.6	476.8
27.5°	917.8	888.1	853.8	815.0	786.7	742.0	698.8	661.6	621.3	584.0	543.9
30°	1096.6	1053.4	1017.6	980.4	923.8	880.5	829.9	779.3	724.1	686.9	625.8
32.5°	1311.1	1265.0	1211.3	1157.7	1105.6	1044.5	981.9	919.3	858.2	789.7	727.1
35°	1573.4	1518.2	1457.2	1399.1	1318.6	1253.0	1174.1	1087.7	1019.2	940.2	861.2
37.5°	1920.6	1829.7	1776.0	1714.9	1606.2	1516.8	1428.8	1342.4	1221.7	1138.3	1026.6
40°	2355.6	2302.0	2214.1	2115.8	2017.4	1899.7	1780.5	1665.8	1525.8	1409.5	1279.9
42.5°	2866.7	2787.8	2698.4	2556.8	2457.0	2318.3	2182.8	2030.8	1859.4	1710.5	1558.5
45°	3346.5	3252.6	3184.1	3042.5	2938.2	2774.3	2610.4	2449.5	2251.3	2059.1	1883.3
47.5°	3865.0	3787.5	3674.3	3559.5	3453.8	3269.0	3091.7	2896.5	2687.9	2459.9	2231.9
50°	4320.9	4259.9	4182.3	4043.8	3926.1	3771.1	3562.5	3349.5	3085.7	2859.2	2600.0
52.5°	4708.3	4660.6	4551.8	4453.5	4347.7	4201.7	4015.5	3811.3	3526.8	3277.9	2982.9
55°	5165.7	5131.4	5036.1	4975.0	4881.2	4741.1	4566.8	4377.6	4076.5	3805.4	3471.6
57.5°	5915.2	5888.4	5804.9	5779.5	5687.2	5565.0	5350.5	5147.8	4796.2	4459.4	4078.1
60°	7156.3	7102.7	6980.5	6918.0	6722.7	6558.8	6280.3	6001.6	5577.0	5147.8	4688.9
62.5°	8485.3	8334.9	8102.4	7902.8	7625.7	7341.0	6968.5	6542.5	6044.8	5535.2	5007.8
65°	9202.0	8945.8	8652.3	8334.9	7975.8	7557.1	7087.8	6576.8	6041.8	5503.9	4946.7
66°	9284.0	8994.9	8683.6	8330.4	7931.1	7485.6	7008.8	6472.4	5916.6	5392.2	4834.9
67.5°	9181.2	8878.7	8549.5	8157.6	7725.5	7263.6	6763.0	6205.7	5670.8	5138.9	4596.5
70°	8461.5	8160.5	7867.0	7454.3	6993.9	6529.1	6055.2	5432.5	4925.9	4437.1	3954.4
72.5°	6757.0	6552.9	6262.3	5909.2	5460.7	4915.4	4520.5	3963.4	3523.8	3050.0	2676.0
75°	4222.6	3935.0	3575.9	3126.0	2783.2	2340.7	2109.8	1686.6	1436.4	1217.3	1005.8
77.5°	2158.9	1943.0	1691.1	1437.8	1195.0	953.6	737.5	521.5	351.6	244.4	181.8
80°	1783.5	1592.8	1384.2	1153.2	938.7	728.6	524.5	357.6	228.0	149.0	116.2
82.5°	1473.5	1312.7	1126.4	911.8	725.6	572.2	397.8	259.2	160.9	104.3	82.0
85°	627.3	569.2	439.5	348.6	262.2	193.7	135.6	90.9	64.1	52.1	47.7
87.5°	26.8	29.8	28.3	22.3	16.4	16.4	14.9	11.9	11.9	11.9	11.9
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9
2.5°	244.4	242.8	241.4	241.4	239.9	238.4	229.5	222.0	213.1	207.1	201.1
5°	254.8	253.3	250.4	248.8	245.8	244.4	225.0	208.6	195.2	184.8	177.3
7.5°	265.2	263.7	259.2	254.8	253.3	250.4	219.1	198.1	180.3	168.4	160.9
10°	278.6	274.2	269.7	263.7	259.2	254.8	213.1	186.2	166.8	156.4	149.0
12.5°	297.9	290.5	283.1	275.6	269.7	262.2	210.1	175.8	156.4	144.5	137.1
15°	320.4	309.9	300.9	292.1	281.6	274.2	204.1	166.8	147.5	135.6	126.7
17.5°	341.2	329.3	315.9	302.5	292.1	281.6	198.1	158.0	138.5	126.7	117.7
20°	371.0	353.1	336.8	320.4	305.5	292.1	189.2	149.0	131.1	117.7	108.8
22.5°	403.8	382.9	362.1	339.7	320.4	302.5	181.8	141.5	123.7	110.3	99.8
25°	445.5	420.2	391.9	363.5	341.2	317.4	174.4	134.1	116.2	102.8	92.4
27.5°	503.6	467.9	436.6	400.8	366.5	339.7	168.4	128.1	108.8	95.4	85.0
30°	582.6	530.4	481.3	442.5	402.3	363.5	162.4	120.7	102.8	87.9	76.0
32.5°	670.5	609.4	552.7	494.6	444.0	399.3	156.4	114.7	95.4	80.4	70.0
35°	779.3	701.8	625.8	558.7	497.6	438.0	150.5	108.8	89.4	73.0	62.6
37.5°	935.7	838.8	739.0	652.6	573.6	494.6	146.0	102.8	82.0	65.6	55.1
40°	1150.3	1025.1	902.9	785.2	682.4	584.0	140.1	96.8	76.0	59.6	49.1
42.5°	1382.7	1230.7	1069.8	937.2	795.7	672.0	134.1	90.9	70.0	53.7	43.2
45°	1671.8	1482.5	1287.3	1107.0	934.2	774.8	128.1	85.0	62.6	47.7	37.3
47.5°	1987.6	1746.2	1525.8	1299.3	1093.6	902.9	120.7	80.4	56.6	41.7	32.8
50°	2312.5	2057.7	1779.0	1521.2	1276.9	1031.1	113.3	73.0	50.7	37.3	26.8
52.5°	2662.5	2361.6	2077.0	1756.7	1472.1	1199.4	105.8	67.0	46.1	32.8	22.3
55°	3108.1	2771.4	2437.6	2078.5	1735.8	1394.6	98.4	59.6	40.3	28.3	17.9
57.5°	3668.3	3269.0	2859.2	2454.0	2038.3	1650.9	92.4	52.1	34.3	23.8	14.9
60°	4197.2	3730.9	3234.7	2768.4	2299.0	1847.6	83.4	46.1	29.8	19.4	14.9
62.5°	4471.4	3939.5	3404.6	2890.5	2389.9	1917.6	74.5	38.7	25.3	16.4	13.4
65°	4404.3	3862.0	3343.5	2824.9	2334.8	1872.9	65.6	34.3	22.3	14.9	13.4
66°	4307.5	3771.1	3249.7	2756.4	2288.6	1825.2	61.1	32.8	20.9	14.9	11.9
67.5°	4095.9	3577.4	3079.7	2620.8	2161.9	1734.3	55.1	29.8	19.4	13.4	11.9
70°	3498.5	3027.6	2629.8	2221.5	1847.6	1461.7	44.7	25.3	16.4	11.9	11.9
72.5°	2315.4	1995.1	1729.9	1488.5	1244.1	965.5	37.3	20.9	13.4	11.9	10.4
75°	873.1	789.7	678.0	609.4	531.9	466.3	29.8	13.4	10.4	10.4	10.4
77.5°	155.0	143.0	126.7	116.2	107.3	98.4	23.8	9.0	9.0	10.4	10.4
80°	104.3	96.8	87.9	80.4	74.5	67.0	16.4	7.4	9.0	9.0	10.4
82.5°	74.5	70.0	65.6	59.6	55.1	49.1	10.4	7.4	9.0	9.0	9.0
85°	44.7	41.7	38.7	35.7	31.3	29.8	7.4	7.4	7.4	9.0	9.0
87.5°	11.9	10.4	11.9	11.9	9.0	10.4	6.0	6.0	6.0	7.4	7.4
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):

	145°	155°	165°	175°	180°
0°	233.9	233.9	233.9	233.9	233.9
2.5°	198.1	198.1	195.2	199.7	199.7
5°	171.4	171.4	169.8	171.4	171.4
7.5°	156.4	155.0	155.0	155.0	156.4
10°	143.0	141.5	141.5	141.5	141.5
12.5°	131.1	129.7	128.1	129.7	129.7
15°	120.7	117.7	117.7	117.7	117.7
17.5°	111.7	108.8	107.3	107.3	107.3
20°	102.8	98.4	98.4	98.4	98.4
22.5°	93.8	89.4	89.4	89.4	89.4
25°	85.0	80.4	80.4	80.4	80.4
27.5°	77.5	73.0	73.0	73.0	73.0
30°	68.6	65.6	65.6	67.0	65.6
32.5°	62.6	58.1	58.1	59.6	59.6
35°	55.1	52.1	52.1	52.1	52.1
37.5°	47.7	44.7	44.7	44.7	44.7
40°	41.7	38.7	37.3	38.7	38.7
42.5°	35.7	32.8	31.3	31.3	31.3
45°	31.3	26.8	25.3	26.8	26.8
47.5°	25.3	22.3	22.3	23.8	23.8
50°	19.4	19.4	20.9	23.8	23.8
52.5°	17.9	17.9	20.9	23.8	23.8
55°	16.4	17.9	20.9	22.3	23.8
57.5°	14.9	17.9	20.9	22.3	22.3
60°	14.9	16.4	19.4	22.3	22.3
62.5°	13.4	14.9	17.9	20.9	20.9
65°	13.4	14.9	17.9	20.9	20.9
66°	13.4	14.9	17.9	20.9	20.9
67.5°	13.4	14.9	17.9	20.9	20.9
70°	13.4	14.9	17.9	19.4	19.4
72.5°	11.9	13.4	16.4	19.4	19.4
75°	11.9	13.4	16.4	19.4	19.4
77.5°	11.9	13.4	16.4	19.4	19.4
80°	11.9	13.4	16.4	17.9	19.4
82.5°	10.4	13.4	14.9	17.9	17.9
85°	10.4	11.9	14.9	16.4	17.9
87.5°	9.0	10.4	11.9	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)