

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: P164998

Luminaire Tested: **VTS-E11-LED-E1-SL2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164998
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E11-LED-E1-SL2-HSS-7050
Description: VENTUS LED SITE LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (231) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20448.5 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.83' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G4

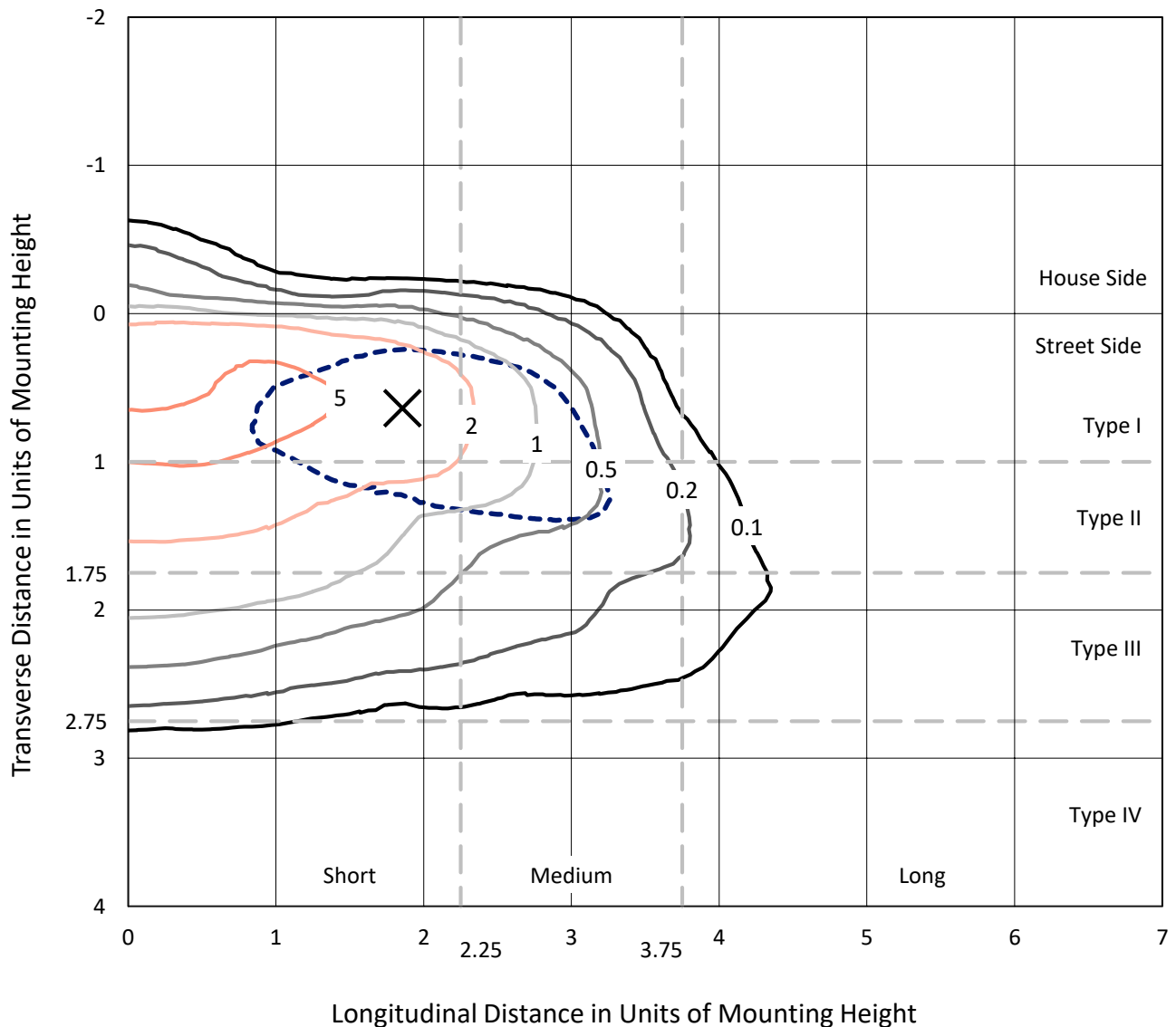
Input Watts (W): 269.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

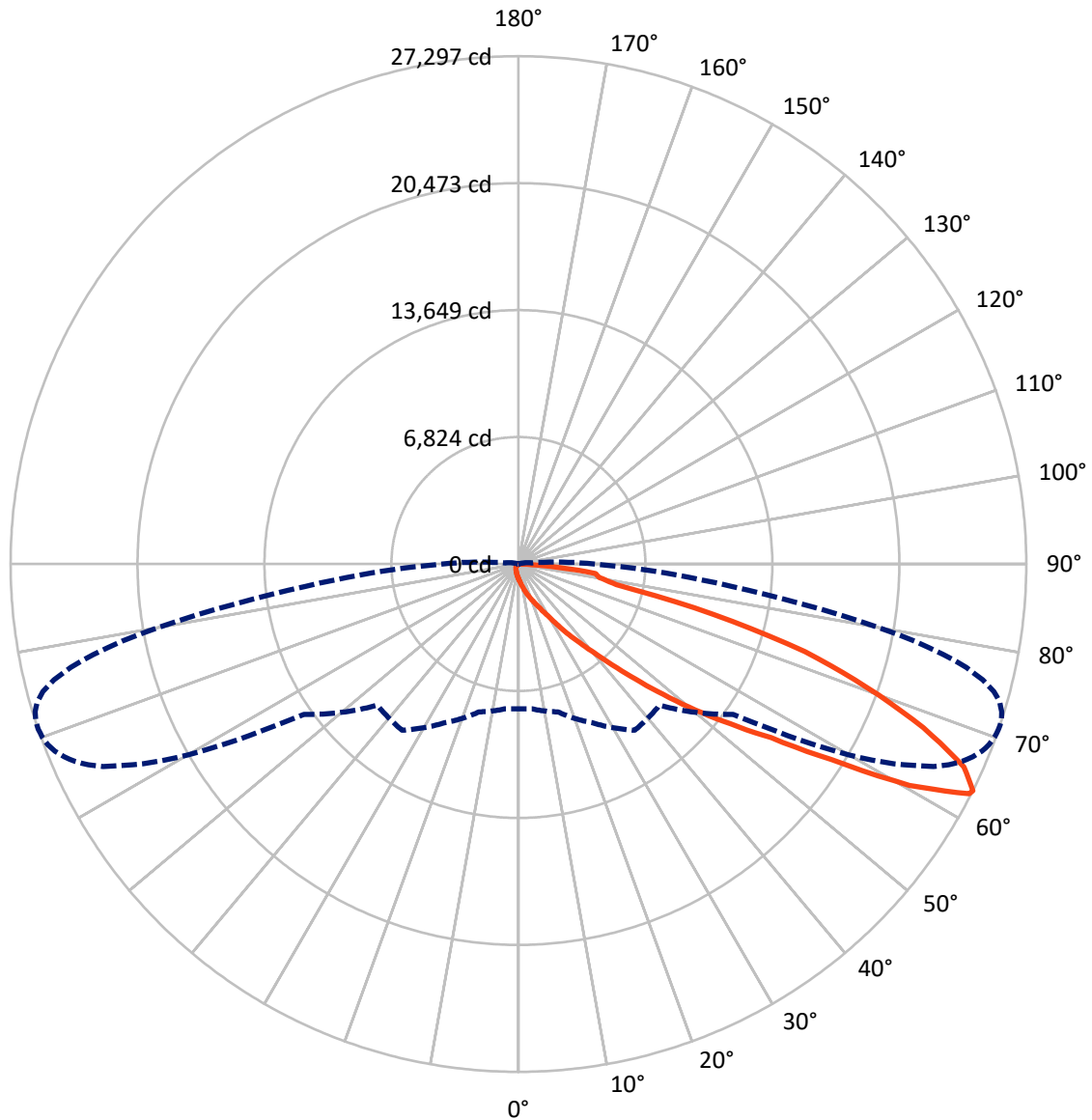


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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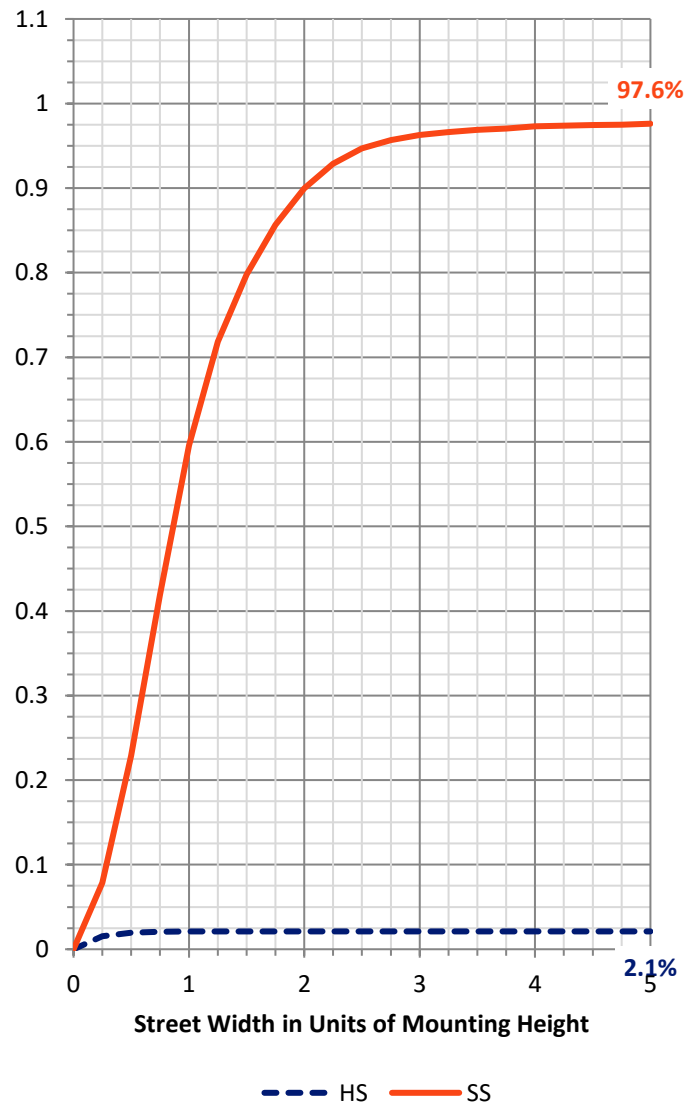
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	434.1	0.0	434.1
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	20014.4	0.0	20014.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	20448.5	0.0	20448.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	0.4
10°-20°	336.2	1.6
20°-30°	682.9	3.3
30°-40°	1668.5	8.2
40°-50°	3731.5	18.2
50°-60°	5246.9	25.7
60°-70°	6169.9	30.2
70°-80°	2227.9	10.9
80°-90°	297.9	1.5
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°	20448.5	100.0
0°-180°	20448.5	100.0



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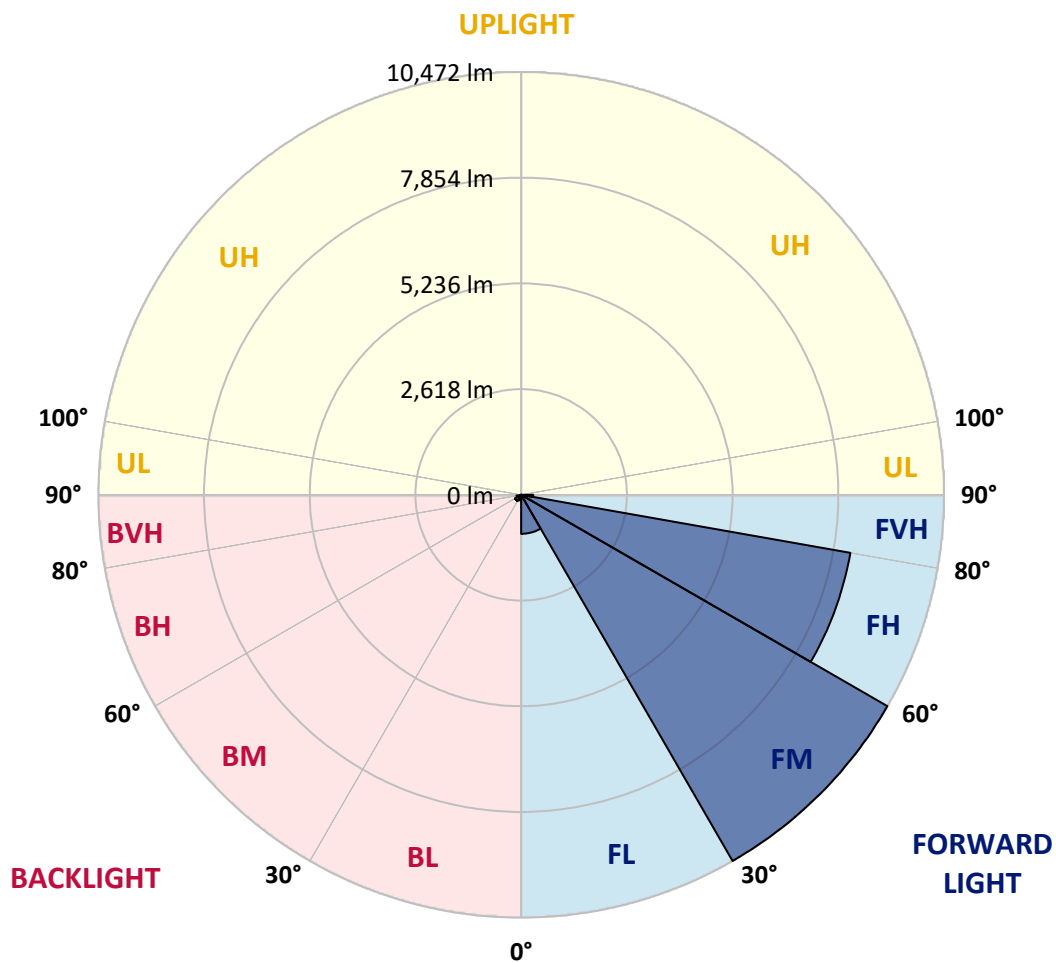
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	966.3	4.7			
FM	(30°-60°)	10472.0	51.2			
FH	(60°-80°)	8278.8	40.5			G4/12000
FVH	(80°-90°)	297.3	1.5			G3/500
BL	(0°-30°)	139.6	0.7	B1/500		
BM	(30°-60°)	174.9	0.9	B0/220		
BH	(60°-80°)	119.0	0.6	B1/500		G1/500
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5
2.5°	1026.0	1037.1	1029.6	1011.1	988.8	959.2	933.0	933.0	929.4	918.1	921.9
5°	1345.7	1349.5	1334.6	1289.9	1249.0	1185.8	1115.2	1107.7	1100.3	1089.2	1085.6
7.5°	1658.1	1672.8	1658.1	1609.5	1527.8	1431.2	1319.7	1308.6	1286.3	1286.3	1271.4
10°	1977.7	1977.7	1962.8	1907.1	1832.6	1695.1	1553.8	1535.3	1509.3	1501.9	1479.5
12.5°	2204.4	2204.4	2196.9	2167.4	2107.8	1985.2	1814.1	1795.6	1762.2	1750.9	1724.9
15°	2293.6	2293.6	2297.4	2323.3	2327.2	2271.4	2092.9	2078.0	2044.6	2014.8	2003.7
17.5°	2349.3	2345.7	2345.7	2382.9	2449.8	2487.0	2371.7	2356.8	2319.7	2304.8	2267.6
20°	2472.1	2464.7	2442.3	2442.3	2505.5	2635.6	2635.6	2631.9	2591.1	2579.8	2561.3
22.5°	2654.3	2646.8	2579.8	2524.0	2553.8	2717.5	2869.9	2862.4	2847.5	2832.6	2821.6
25°	2951.6	2925.6	2810.3	2646.8	2620.9	2795.6	3048.2	3066.9	3078.0	3078.0	3085.5
27.5°	3401.5	3368.1	3163.6	2858.8	2743.5	2921.8	3245.3	3282.5	3315.9	3323.4	3356.8
30°	4025.9	3966.5	3672.8	3226.8	2962.9	3107.8	3535.4	3576.2	3624.5	3639.4	3691.4
32.5°	5051.9	5018.5	4736.1	4066.8	3501.7	3472.2	3940.6	3992.5	4055.7	4081.7	4144.9
35°	6613.4	6620.8	6390.3	5788.1	5007.4	4598.4	4665.4	4709.9	4732.3	4810.4	4843.8
37.5°	7672.8	7691.3	7743.4	7505.5	6947.9	6531.4	6007.3	6055.8	5940.4	5951.5	5955.3
40°	8252.7	8312.1	8617.1	8847.6	8802.9	8561.3	8141.2	8167.2	7951.6	7903.3	7668.9
42.5°	8639.2	8717.3	9204.5	9918.0	10282.4	10501.8	10405.2	10393.9	10226.6	10163.4	9966.3
45°	8881.0	8951.6	9565.0	10616.9	11457.1	12096.4	12360.3	12390.1	12248.8	12185.6	12022.2
47.5°	8869.7	8951.6	9609.4	10877.2	12115.2	13137.4	13880.9	13918.0	14003.5	13947.8	13958.8
50°	8379.1	8457.2	9118.9	10434.8	11921.7	13613.2	14973.8	15092.7	15230.2	15323.2	15367.9
52.5°	7784.3	7840.1	8427.4	9676.5	11096.4	13416.1	15620.5	15825.0	16029.6	16204.3	16326.9
55°	7564.9	7628.1	8089.1	9126.3	10434.8	12590.8	15921.7	16222.8	16512.9	16799.1	17033.2
57.5°	7680.2	7739.6	8070.5	8866.1	10040.8	11721.0	16007.2	16475.6	16951.5	17416.1	17877.1
60°	8104.0	8167.2	8449.8	9107.6	9936.8	11219.2	15672.7	16449.7	17241.4	18051.8	18813.9
62.5°	7936.7	7962.6	8379.1	9531.6	10680.1	10791.7	14457.0	15542.6	16750.8	17999.9	19230.2
63°	7776.9	7806.7	8230.4	9416.2	10907.0	10728.4	14081.6	15226.6	16501.6	17847.3	19185.7
65°	7052.0	7055.6	7379.1	8315.9	10654.2	10840.0	12408.9	13501.7	14966.3	16579.7	18271.2
67.5°	5263.9	5237.9	5550.1	6263.9	8364.2	10843.8	10650.3	11263.9	12282.5	13713.7	15230.2
70°	1866.2	1825.4	2330.8	3319.6	5211.7	8869.7	9152.3	9193.2	9475.8	10249.0	11200.7
72.5°	605.9	617.2	743.4	1215.6	2401.5	5970.2	8286.1	8159.7	8085.4	8081.6	8208.0
75°	241.5	245.4	297.3	539.1	1078.1	2877.3	7256.5	7326.9	7353.1	7390.2	7431.2
77.5°	115.1	126.4	167.3	301.1	535.2	1423.8	5193.2	5791.7	6133.7	6397.8	6557.6
80°	40.9	48.3	93.0	185.8	249.0	654.2	2736.0	3301.0	3802.9	4449.8	5007.4
82.5°	0.0	0.0	18.5	130.0	137.5	263.9	1122.6	1315.9	1505.5	1951.5	2505.5
85°	0.0	0.0	0.0	37.2	40.9	44.7	379.2	457.4	513.1	598.4	691.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	11.1	22.3	55.8	85.6
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5
2.5°	914.5	910.9	910.9	903.4	899.6	892.1	888.5	877.2	873.6	873.6	873.6
5°	1081.8	1066.9	1059.4	1040.9	1029.6	1026.0	1007.5	1000.0	988.8	992.6	973.9
7.5°	1267.5	1241.6	1230.5	1204.3	1197.1	1170.9	1163.5	1145.0	1133.9	1111.6	1104.1
10°	1472.1	1438.7	1420.2	1379.1	1368.0	1349.5	1327.1	1304.8	1286.3	1263.9	1252.9
12.5°	1706.4	1676.6	1661.7	1605.9	1580.0	1553.8	1524.2	1494.4	1464.6	1446.1	1420.2
15°	1981.3	1933.0	1918.1	1866.2	1821.5	1788.1	1747.3	1710.0	1687.7	1650.6	1624.4
17.5°	2252.7	2204.4	2193.3	2115.2	2066.9	2044.6	2000.1	1951.5	1910.7	1873.7	1832.6
20°	2524.0	2490.6	2460.8	2386.6	2334.6	2297.4	2237.8	2189.5	2156.1	2104.2	2052.0
22.5°	2795.6	2762.0	2739.8	2661.7	2613.4	2561.3	2509.4	2457.2	2408.9	2345.7	2286.3
25°	3074.4	3052.0	3040.8	2970.3	2925.6	2877.3	2825.2	2765.8	2706.2	2635.6	2572.6
27.5°	3364.3	3371.7	3349.4	3334.5	3286.1	3252.7	3171.0	3130.2	3085.5	2999.9	2921.8
30°	3732.2	3754.6	3747.1	3758.4	3728.6	3706.3	3643.0	3591.1	3539.0	3457.3	3368.1
32.5°	4197.0	4226.8	4241.5	4282.6	4267.7	4260.2	4241.5	4167.2	4130.0	3988.9	3951.6
35°	4914.4	4899.5	4962.7	4996.1	4981.2	4974.0	4951.7	4910.8	4866.1	4765.7	4672.9
37.5°	5847.4	5862.3	5884.7	5817.9	5773.2	5769.5	5702.5	5661.6	5598.4	5486.9	5375.4
40°	7557.4	7464.7	7360.6	7078.0	6955.4	6884.7	6687.6	6631.9	6524.0	6371.6	6256.5
42.5°	9780.5	9687.5	9375.3	8903.3	8650.5	8301.0	8141.2	7944.1	7791.8	7542.8	7408.9
45°	11988.8	11721.0	11683.8	11133.7	10821.5	10360.5	10074.2	9743.3	9397.7	9070.6	8832.7
47.5°	13851.2	13791.6	13609.6	13274.8	12985.0	12598.3	12230.3	11721.0	11364.1	10899.6	10472.0
50°	15341.7	15338.1	15271.1	15077.8	14836.3	14524.1	14200.6	13769.4	13364.2	12795.4	12338.2
52.5°	16457.1	16516.5	16538.8	16479.3	16386.5	16111.3	15947.9	15587.1	15245.1	14761.8	14267.4
55°	17274.8	17494.2	17605.7	17732.1	17706.2	17609.5	17602.1	17367.8	17211.8	16828.7	16479.3
57.5°	18286.1	18646.6	18992.2	19605.8	19627.9	19843.7	19955.2	20066.8	20096.3	19944.0	19828.8
60°	19572.2	20308.3	20962.5	22245.2	22579.7	23107.5	23449.5	23821.3	24137.1	24163.3	24155.9
62.5°	20479.2	21613.1	22668.9	24572.1	25222.7	25832.5	26289.6	26650.3	26869.5	27092.6	27196.6
63°	20505.4	21747.0	22869.6	24832.4	25516.4	26096.4	26531.4	26865.9	27096.4	27230.0	27297.1
65°	19877.1	21382.6	22720.8	24676.2	25319.4	25903.1	26129.8	26349.2	26460.7	26512.6	26315.6
67.5°	16847.4	18319.5	19880.8	22066.6	22616.8	23315.7	23501.7	23613.2	23665.1	23654.0	23486.8
70°	12598.3	13832.6	15568.6	18066.7	18795.4	19479.4	19903.1	20085.3	20144.6	20126.1	19877.1
72.5°	8795.4	9520.3	10951.5	13732.2	14724.8	15602.0	16126.2	16397.5	16453.3	16341.8	16111.3
75°	7386.5	7423.8	7747.1	9267.4	10196.8	11133.7	11724.7	11895.8	11784.2	11445.9	10858.7
77.5°	6594.6	6676.6	6676.6	6903.2	7085.4	7345.7	7401.4	6984.9	6501.9	5877.2	5371.8
80°	5531.6	5817.9	6018.5	6185.8	6204.3	6152.4	6014.7	5780.6	5408.8	4932.9	4405.2
82.5°	3360.6	3925.7	4156.2	5018.5	5442.2	5728.5	5706.3	5393.9	5111.5	4617.1	4167.2
85°	847.7	914.5	992.6	1289.9	1446.1	1765.8	1966.4	2059.5	2092.9	1922.0	1739.8
87.5°	81.7	55.8	93.0	70.7	100.5	74.3	100.5	93.0	115.1	122.6	133.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5
2.5°	866.2	862.3	858.7	855.1	851.3	847.7	840.2	840.2	832.8	828.9	825.3
5°	962.8	955.3	951.7	944.3	933.0	925.5	914.5	899.6	888.5	884.7	877.2
7.5°	1085.6	1066.9	1059.4	1048.4	1033.5	1011.1	996.2	985.1	966.6	955.3	933.0
10°	1223.1	1204.3	1182.2	1159.9	1137.5	1111.6	1092.8	1078.1	1048.4	1033.5	1007.5
12.5°	1397.8	1364.4	1338.2	1308.6	1278.8	1249.0	1226.7	1182.2	1156.0	1122.6	1100.3
15°	1576.1	1546.3	1516.8	1479.5	1434.8	1386.5	1364.4	1323.3	1289.9	1238.0	1208.2
17.5°	1791.7	1736.0	1691.5	1646.8	1605.9	1561.2	1516.8	1453.6	1405.3	1360.6	1301.2
20°	2003.7	1936.9	1888.3	1829.0	1769.6	1698.9	1646.8	1602.1	1535.3	1475.9	1412.7
22.5°	2230.3	2163.5	2085.4	2026.0	1944.3	1888.3	1817.9	1743.4	1676.6	1598.5	1520.4
25°	2505.5	2434.9	2345.7	2267.6	2174.6	2096.7	2011.1	1925.6	1843.9	1754.7	1654.2
27.5°	2843.9	2769.4	2672.8	2579.8	2457.2	2360.6	2278.9	2163.5	2059.5	1947.9	1832.6
30°	3271.2	3189.5	3070.6	2936.7	2814.1	2706.2	2591.1	2438.7	2323.3	2189.5	2040.9
32.5°	3829.1	3732.2	3572.4	3446.0	3293.6	3152.3	2992.5	2840.1	2676.6	2501.9	2330.8
35°	4531.6	4442.4	4256.4	4070.6	3903.3	3736.0	3535.4	3360.6	3130.2	2918.2	2698.8
37.5°	5260.3	5100.2	4929.3	4728.6	4520.3	4319.6	4074.2	3832.7	3568.8	3338.3	3063.1
40°	6092.8	5899.6	5758.3	5542.7	5249.0	4962.7	4736.1	4435.0	4104.0	3795.4	3472.2
42.5°	7234.2	7018.6	6765.7	6438.6	6226.7	5892.1	5598.4	5241.5	4806.5	4460.9	4070.6
45°	8553.9	8260.2	8014.8	7698.7	7442.3	7026.0	6684.0	6208.2	5773.2	5319.6	4843.8
47.5°	10059.3	9695.0	9338.1	9025.9	8617.1	8208.0	7773.2	7267.6	6710.0	6211.8	5646.7
50°	11787.9	11271.1	10776.8	10375.4	9814.0	9341.9	8869.7	8301.0	7683.8	7111.4	6468.2
52.5°	13709.8	13111.4	12457.2	11840.0	11189.4	10583.5	10014.6	9360.4	8672.8	7973.9	7256.5
55°	16029.6	15579.7	14810.3	14025.9	13155.9	12345.7	11613.1	10802.9	9966.3	9048.2	8293.6
57.5°	19661.6	19442.1	18799.0	18014.8	16880.9	15895.7	14654.1	13661.5	12449.7	11185.8	10211.7
60°	24583.4	24311.9	23951.4	23315.7	22416.1	21077.9	19709.9	18167.1	16323.3	14572.4	12910.7
62.5°	27207.9	27111.1	26817.6	26378.8	25538.8	24483.0	23103.9	21408.6	19327.0	17200.5	15081.7
63°	27285.8	27163.2	26910.4	26464.3	25724.6	24702.4	23349.1	21702.3	19665.2	17498.0	15334.3
65°	26230.2	26181.9	25925.3	25438.3	24932.9	24152.0	23103.9	21687.4	19977.4	17929.2	15776.7
67.5°	23263.7	23118.6	22724.7	22575.9	22222.8	21679.9	20880.8	19906.7	18683.9	17074.1	15215.3
70°	19676.2	19460.6	18966.3	18702.4	18271.2	17929.2	17442.3	16747.0	15992.3	14869.7	13483.2
72.5°	15873.4	15427.3	14973.8	14286.2	13683.9	13074.1	12535.1	12044.5	11215.4	10761.9	9709.9
75°	10308.3	9497.9	8721.1	7680.2	6743.4	5914.5	5107.7	4698.8	3847.6	3501.7	3007.4
77.5°	4892.1	4438.6	3829.1	3356.8	2754.5	2249.1	1836.4	1379.1	1081.8	847.7	646.8
80°	3947.8	3564.9	3197.0	2769.4	2315.9	1847.5	1416.3	1059.4	750.8	520.3	368.0
82.5°	3520.5	3104.0	2650.5	2356.8	2048.4	1676.6	1375.5	1122.6	828.9	605.9	412.7
85°	1368.0	1152.4	888.5	724.9	565.0	464.6	420.1	289.9	226.9	178.3	137.5
87.5°	119.0	96.6	78.1	52.1	55.8	29.8	33.4	22.3	18.5	18.5	14.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5	784.5
2.5°	821.5	817.9	814.0	806.6	806.6	799.4	795.5	791.9	773.2	732.3	698.9
5°	862.3	855.1	847.7	836.4	828.9	817.9	810.4	799.4	758.3	680.4	613.3
7.5°	921.9	907.0	896.0	873.6	862.3	847.7	836.4	817.9	750.8	631.9	539.1
10°	992.6	966.6	947.9	921.9	899.6	881.1	862.3	836.4	743.4	579.9	472.0
12.5°	1078.1	1048.4	1011.1	981.3	951.7	925.5	899.6	866.2	732.3	535.2	420.1
15°	1163.5	1119.0	1092.8	1052.0	1011.1	973.9	936.8	907.0	736.1	486.9	375.4
17.5°	1260.1	1215.6	1159.9	1115.2	1070.7	1022.4	977.7	918.1	717.4	449.9	342.0
20°	1353.1	1289.9	1238.0	1182.2	1119.0	1059.4	1003.7	951.7	702.5	412.7	312.2
22.5°	1453.6	1379.1	1312.2	1241.6	1163.5	1096.7	1029.6	962.8	676.6	379.2	286.2
25°	1576.1	1490.6	1394.0	1308.6	1226.7	1145.0	1059.4	977.7	650.6	349.5	267.7
27.5°	1724.9	1613.4	1516.8	1408.9	1293.7	1189.7	1096.7	1007.5	624.6	327.1	249.0
30°	1914.5	1784.3	1646.8	1509.3	1386.5	1267.5	1137.5	1026.0	598.4	304.8	230.5
32.5°	2167.4	2003.7	1836.4	1676.6	1512.9	1360.6	1223.1	1078.1	583.5	286.2	212.0
35°	2501.9	2289.9	2085.4	1884.7	1687.7	1501.9	1323.3	1159.9	583.5	263.9	189.6
37.5°	2817.7	2572.6	2312.3	2063.1	1829.0	1613.4	1401.4	1204.3	554.0	245.4	171.1
40°	3159.7	2866.0	2561.3	2267.6	1985.2	1717.5	1475.9	1249.0	527.8	223.0	152.4
42.5°	3683.9	3312.3	2914.6	2572.6	2234.2	1903.2	1602.1	1334.6	494.4	200.7	133.9
45°	4371.7	3899.5	3431.3	3014.8	2583.6	2178.4	1821.5	1490.6	486.9	182.2	115.1
47.5°	5107.7	4550.1	3999.9	3468.3	2962.9	2490.6	2063.1	1665.3	486.9	163.7	100.5
50°	5840.0	5141.3	4553.9	3936.7	3368.1	2810.3	2301.0	1847.5	490.8	148.8	81.7
52.5°	6501.9	5754.6	5096.6	4382.8	3754.6	3107.8	2553.8	2026.0	483.3	130.0	66.8
55°	7420.0	6542.7	5780.6	4992.5	4256.4	3527.9	2899.7	2293.6	486.9	115.1	55.8
57.5°	9111.4	8081.6	7163.5	6130.1	5282.4	4341.9	3579.8	2843.9	531.6	96.6	40.9
60°	11538.9	10200.7	8910.8	7650.4	6572.5	5453.5	4464.5	3598.6	624.6	78.1	29.8
62.5°	13170.8	11419.9	9881.0	8490.7	7237.8	6066.8	4988.7	4003.6	687.6	63.2	18.5
63°	13338.0	11527.8	9981.2	8546.4	7267.6	6096.6	5011.0	4033.4	691.5	59.4	18.5
65°	13654.1	11713.6	10037.0	8557.5	7237.8	6055.8	4996.1	4029.7	698.9	48.3	14.9
67.5°	13293.6	11427.3	9713.7	8237.8	6977.5	5814.0	4810.4	3881.0	695.1	33.4	11.1
70°	11888.3	10342.0	8836.3	7460.8	6315.8	5263.9	4379.2	3539.0	639.3	22.3	7.4
72.5°	8728.6	7676.4	6509.3	5516.7	4758.2	3951.6	3371.7	2657.9	494.4	14.9	3.6
75°	2587.2	2356.8	1981.3	1747.3	1542.7	1275.0	1133.9	884.7	252.8	7.4	0.0
77.5°	516.7	468.4	420.1	382.9	360.5	308.6	293.7	241.5	104.1	3.6	0.0
80°	271.3	223.0	189.6	167.3	144.9	119.0	100.5	81.7	18.5	0.0	0.0
82.5°	260.3	174.7	126.4	104.1	89.2	70.7	55.8	40.9	11.1	0.0	0.0
85°	96.6	74.3	55.8	44.7	37.2	33.4	26.0	22.3	0.0	0.0	0.0
87.5°	14.9	11.1	11.1	7.4	7.4	3.6	3.6	3.6	0.0	0.0	0.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	784.5	784.5	784.5	784.5	784.5	784.5	784.5
2.5°	665.5	635.7	620.8	602.3	602.3	598.4	605.9
5°	554.0	513.1	483.3	461.0	464.6	453.5	457.4
7.5°	468.4	427.6	401.4	386.7	382.9	379.2	379.2
10°	405.2	368.0	345.6	334.6	330.9	330.9	330.9
12.5°	360.5	323.5	304.8	297.3	297.3	293.7	293.7
15°	323.5	293.7	275.2	267.7	267.7	263.9	267.7
17.5°	293.7	263.9	249.0	241.5	241.5	237.9	237.9
20°	267.7	241.5	226.9	215.6	215.6	212.0	215.6
22.5°	245.4	219.4	200.7	193.2	189.6	185.8	189.6
25°	223.0	197.1	178.3	167.3	163.7	163.7	159.8
27.5°	204.5	178.3	156.2	144.9	141.3	141.3	137.5
30°	185.8	156.2	133.9	122.6	119.0	119.0	119.0
32.5°	167.3	133.9	115.1	104.1	100.5	100.5	100.5
35°	148.8	115.1	96.6	85.6	81.7	81.7	81.7
37.5°	126.4	96.6	74.3	66.8	63.2	59.4	59.4
40°	107.9	74.3	55.8	48.3	40.9	40.9	40.9
42.5°	89.2	59.4	40.9	29.8	26.0	22.3	26.0
45°	74.3	44.7	26.0	14.9	11.1	11.1	11.1
47.5°	59.4	29.8	11.1	3.6	3.6	3.6	3.6
50°	44.7	18.5	3.6	0.0	0.0	3.6	3.6
52.5°	33.4	11.1	0.0	0.0	0.0	0.0	0.0
55°	18.5	3.6	0.0	0.0	0.0	0.0	0.0
57.5°	11.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	7.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3.6	0.0	0.0	0.0	0.0	0.0	0.0
63°	3.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.6	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)