

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: P165176

Luminaire Tested: **VTS-E07-LED-E1-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165176
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-E07-LED-E1-SL3-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (147) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10952.6 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

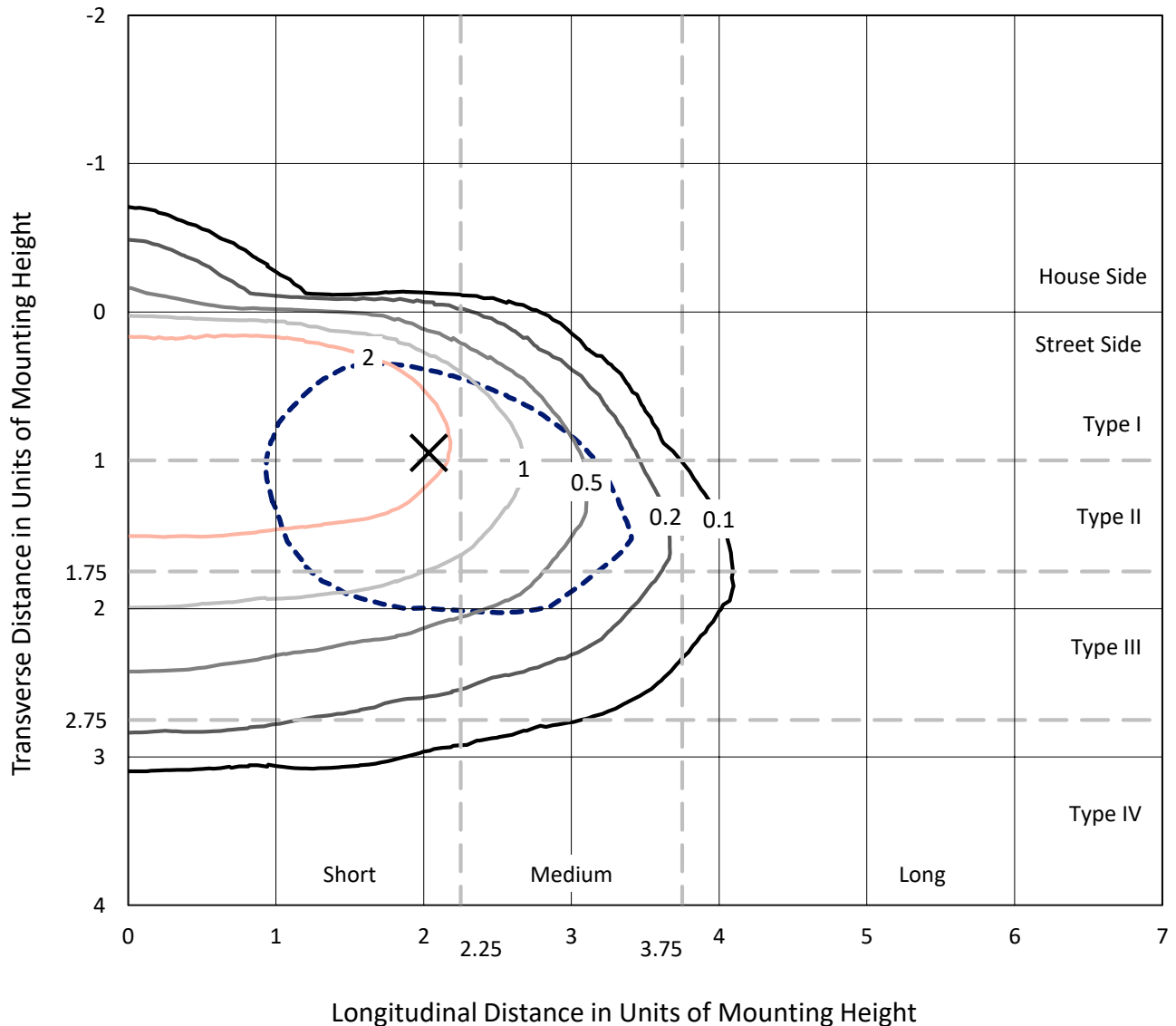
Input Watts (W): 172.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

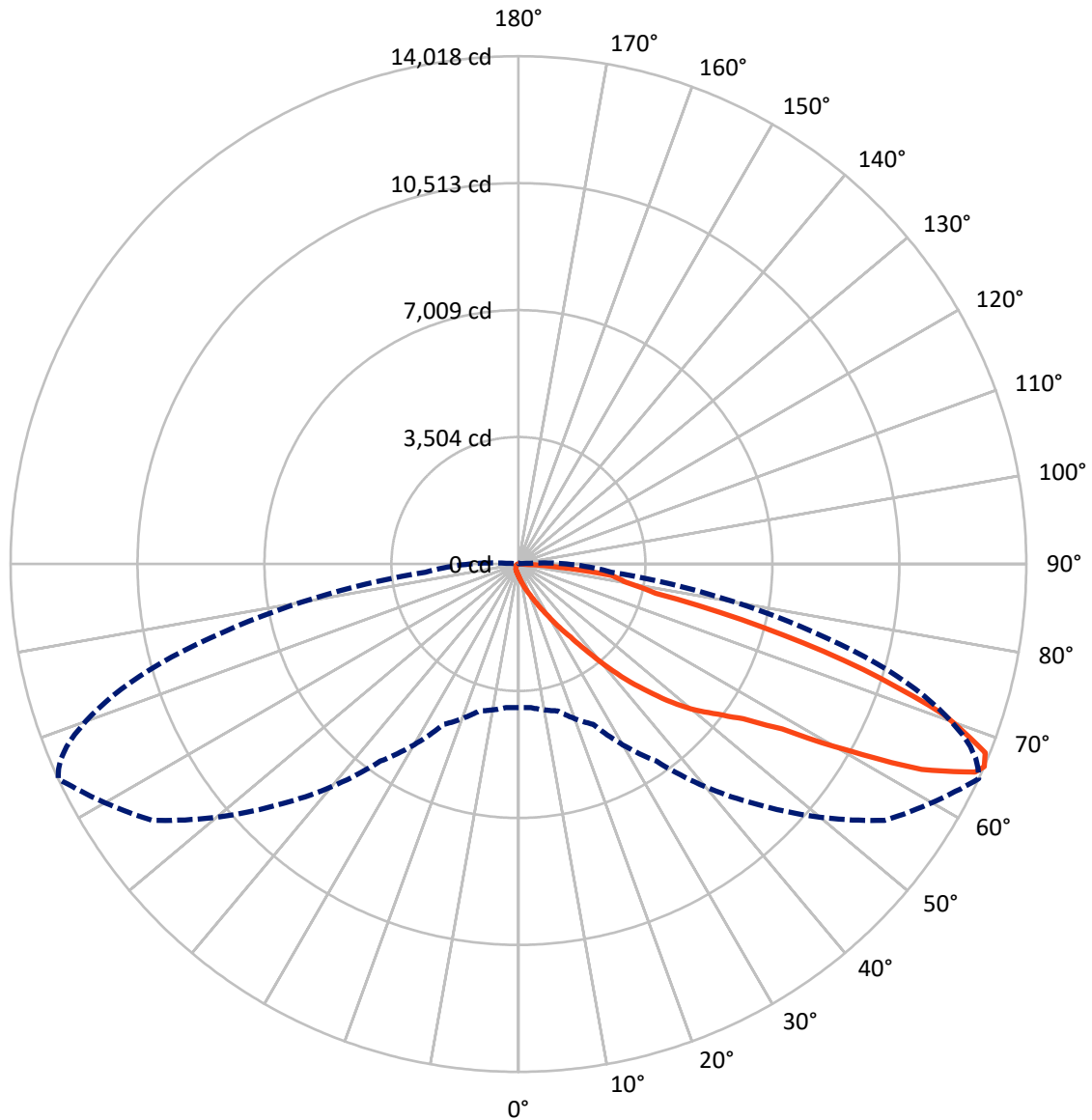
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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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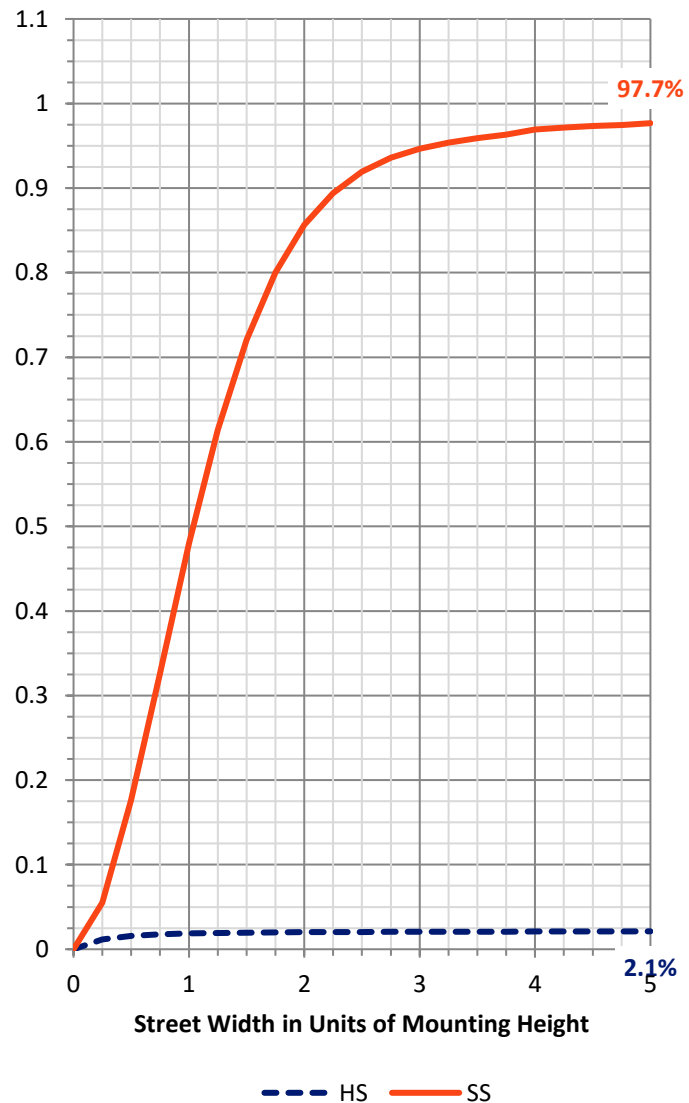
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	237.4	0.0	237.4
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	10715.3	0.0	10715.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	10952.6	0.0	10952.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	0.3
10°-20°	156.9	1.4
20°-30°	338.5	3.1
30°-40°	722.8	6.6
40°-50°	1598.4	14.6
50°-60°	2708.8	24.7
60°-70°	3614.7	33.0
70°-80°	1592.2	14.5
80°-90°	183.4	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°	10952.6	100.0
0°-180°	10952.6	100.0



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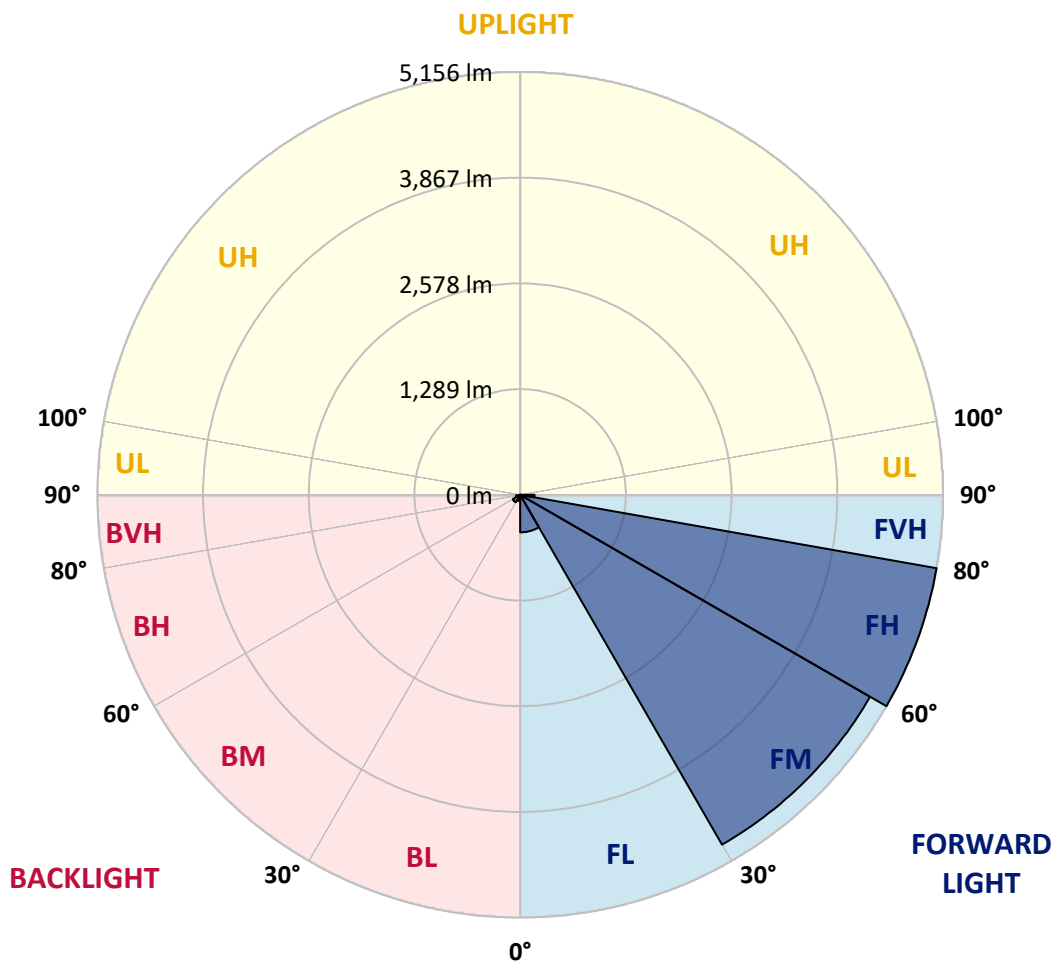
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.5	4.2			
FM	(30°-60°)	4925.7	45.0			
FH	(60°-80°)	5156.0	47.1			G3/7500
FVH	(80°-90°)	176.1	1.6			G2/225
BL	(0°-30°)	74.9	0.7	B0/110		
BM	(30°-60°)	104.2	1.0	B0/220		
BH	(60°-80°)	50.9	0.5	B0/110		G0/110
BVH	(80°-90°)	7.3	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5
2.5°	417.0	414.8	406.4	406.4	393.7	385.4	374.8	364.3	364.3	362.1	360.1
5°	551.6	539.1	536.9	513.8	494.9	467.5	442.2	408.5	404.3	400.1	397.9
7.5°	701.2	699.1	680.1	652.8	614.9	564.3	513.8	459.0	450.6	446.4	438.0
10°	895.0	884.3	859.2	812.7	756.0	688.6	606.5	520.0	509.6	501.1	496.9
12.5°	1080.2	1061.3	1046.5	987.5	915.9	817.0	718.0	593.8	585.4	574.9	558.0
15°	1252.9	1236.0	1210.8	1160.3	1080.2	955.9	840.2	688.6	667.5	652.8	640.1
17.5°	1387.6	1377.1	1347.6	1290.8	1204.4	1094.9	955.9	785.4	768.6	749.6	726.4
20°	1516.1	1501.3	1455.0	1377.1	1284.4	1200.2	1092.9	911.7	888.6	865.4	840.2
22.5°	1638.3	1623.4	1547.7	1419.2	1320.2	1284.4	1246.6	1054.9	1019.1	1000.2	974.9
25°	1808.8	1777.3	1659.2	1455.0	1322.4	1349.8	1415.0	1240.2	1206.6	1179.2	1139.2
27.5°	2038.4	1996.2	1810.9	1507.7	1330.7	1421.4	1608.7	1465.5	1429.7	1398.1	1354.0
30°	2297.3	2269.9	2048.8	1634.0	1391.9	1526.6	1825.6	1751.9	1709.9	1671.9	1619.3
32.5°	2558.4	2520.6	2301.5	1874.0	1556.0	1730.8	2097.3	2084.6	2029.9	1994.1	1937.2
35°	2787.9	2769.0	2606.9	2267.8	1931.0	2088.9	2459.4	2474.1	2425.8	2387.8	2324.7
37.5°	2943.8	2943.8	2912.2	2691.0	2526.8	2644.7	2992.1	2994.3	2945.8	2859.5	2828.0
40°	3023.7	3046.9	3160.7	3202.7	3194.3	3345.9	3691.3	3653.3	3613.3	3569.1	3463.8
42.5°	3188.0	3209.0	3451.2	3741.8	3931.3	4131.3	4369.3	4356.6	4308.3	4228.2	4131.3
45°	3466.0	3493.4	3781.9	4243.0	4632.4	4916.8	5068.3	5009.4	4960.9	4885.2	4834.6
47.5°	3819.7	3872.4	4198.7	4769.4	5238.9	5708.5	5866.4	5710.6	5668.6	5609.5	5527.4
50°	4196.7	4247.2	4594.6	5247.4	5778.0	6338.1	6601.4	6338.1	6277.1	6258.0	6165.5
52.5°	4523.0	4565.2	4899.9	5615.9	6190.7	6847.6	7230.9	6883.4	6839.2	6776.0	6708.6
55°	4716.7	4750.5	5064.1	5792.7	6470.8	7306.7	7839.5	7534.2	7468.8	7443.6	7346.7
57.5°	4782.0	4815.7	5097.9	5815.9	6622.3	7725.7	8578.6	8589.1	8511.2	8420.7	8391.2
60°	4782.0	4819.9	5057.9	5759.1	6769.8	8172.1	9564.0	10442.0	10273.6	10256.8	10149.3
62.5°	4584.1	4619.9	4859.9	5584.3	6967.7	8774.4	10936.9	12486.7	12438.3	12328.7	12151.9
65°	4154.5	4175.6	4411.4	5137.9	6891.9	9328.2	12126.6	13846.9	13769.1	13554.2	13326.9
66°	3960.7	3977.6	4198.7	4883.1	6643.4	9404.0	12337.2	14017.5	13889.1	13707.9	13451.1
67.5°	3680.7	3710.2	3866.0	4409.3	6047.6	9140.7	12204.6	13897.6	13785.9	13566.9	13310.0
70°	2457.4	2436.3	2985.9	3383.8	4607.2	7447.9	10949.6	12478.2	12480.4	12377.2	12274.0
72.5°	1166.5	1179.2	1339.2	2082.5	3015.3	4975.8	8715.4	9959.8	10103.1	9917.8	9789.3
75°	838.1	857.0	953.9	1274.0	1798.2	2985.9	5649.5	6965.5	6969.8	6641.3	6348.7
77.5°	244.2	254.8	357.9	785.4	1347.6	2015.1	3244.8	3872.4	3781.9	3545.9	3324.9
80°	101.0	101.0	105.2	250.6	541.1	1368.7	2269.9	2981.7	2971.2	2880.6	2750.1
82.5°	37.8	40.0	50.5	103.2	128.5	336.9	1514.0	2587.9	2581.5	2453.2	2360.5
85°	4.2	4.2	12.7	44.2	48.5	63.2	303.2	1141.2	1135.0	1141.2	1000.2
87.5°	0.0	0.0	2.0	4.2	6.3	8.4	12.7	44.2	48.5	46.3	42.1
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°	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5
2.5°	360.1	355.9	355.9	353.8	353.8	353.8	351.6	349.6	349.6	347.4	345.4
5°	393.7	389.5	387.4	383.2	381.2	379.0	374.8	372.7	368.5	366.3	364.3
7.5°	433.7	425.3	423.2	417.0	410.6	406.4	402.1	395.9	391.7	383.2	381.2
10°	484.4	473.8	465.3	456.9	450.6	440.1	433.7	425.3	417.0	410.6	404.3
12.5°	549.6	534.9	522.2	513.8	499.1	486.4	473.8	467.5	450.6	442.2	431.7
15°	621.2	604.3	589.6	572.7	562.2	541.1	524.3	505.3	496.9	482.2	465.3
17.5°	713.8	686.4	663.3	646.5	625.4	604.3	585.4	566.5	541.1	524.3	503.3
20°	812.7	789.6	758.0	728.6	703.3	678.1	650.6	625.4	602.3	574.9	549.6
22.5°	939.2	905.4	867.6	838.1	804.4	777.1	739.1	705.5	667.5	631.7	602.3
25°	1099.2	1054.9	1019.1	977.0	937.0	895.0	848.5	806.5	758.0	724.4	673.9
27.5°	1297.1	1255.0	1206.6	1151.8	1111.8	1048.7	987.5	935.0	878.1	825.4	768.6
30°	1549.8	1488.8	1438.1	1385.6	1305.5	1244.4	1172.8	1101.3	1023.3	970.8	884.3
32.5°	1853.0	1787.7	1711.9	1636.1	1562.4	1476.1	1387.6	1299.1	1212.8	1116.0	1027.6
35°	2223.6	2145.6	2059.3	1977.2	1863.6	1770.9	1659.2	1537.1	1440.3	1328.7	1217.1
37.5°	2714.3	2585.8	2509.9	2423.6	2269.9	2143.6	2019.3	1897.2	1726.6	1608.7	1450.8
40°	3329.1	3253.2	3129.1	2990.1	2851.1	2684.7	2516.3	2354.2	2156.3	1991.9	1808.8
42.5°	4051.3	3939.8	3813.4	3613.3	3472.3	3276.4	3084.8	2870.0	2627.8	2417.4	2202.5
45°	4729.4	4596.8	4499.8	4299.9	4152.4	3920.7	3689.1	3461.8	3181.6	2910.0	2661.6
47.5°	5462.2	5352.6	5192.6	5030.5	4881.0	4619.9	4369.3	4093.5	3798.6	3476.5	3154.3
50°	6106.5	6020.2	5910.6	5714.9	5548.5	5329.5	5034.7	4733.6	4360.8	4040.8	3674.4
52.5°	6653.9	6586.5	6432.8	6293.8	6144.4	5938.0	5674.8	5386.4	4984.2	4632.4	4215.6
55°	7300.4	7252.0	7117.2	7030.9	6898.3	6700.3	6453.9	6186.6	5761.1	5377.9	4906.2
57.5°	8359.6	8321.7	8203.7	8167.9	8037.3	7864.7	7561.5	7275.1	6778.2	6302.3	5763.3
60°	10113.5	10037.8	9865.1	9776.7	9500.8	9269.2	8875.5	8481.7	7881.6	7275.1	6626.6
62.5°	11991.8	11779.2	11450.7	11168.6	10776.9	10374.7	9848.2	9246.1	8542.8	7822.6	7077.2
65°	13004.7	12642.5	12227.7	11779.2	11271.8	10680.0	10016.7	9294.5	8538.6	7778.4	6990.9
66°	13120.5	12712.0	12272.0	11772.9	11208.6	10579.0	9905.1	9147.1	8361.6	7620.5	6832.9
67.5°	12975.3	12547.8	12082.5	11528.7	10918.0	10265.2	9557.7	8770.2	8014.2	7262.5	6496.0
70°	11958.2	11532.8	11118.0	10534.7	9884.0	9227.2	8557.5	7677.4	6961.4	6270.7	5588.5
72.5°	9549.3	9260.8	8850.2	8351.1	7717.3	6946.6	6388.6	5601.2	4980.0	4310.3	3781.9
75°	5967.5	5561.2	5053.6	4417.7	3933.4	3308.0	2981.7	2383.6	2029.9	1720.4	1421.4
77.5°	3051.1	2745.9	2390.0	2032.0	1688.8	1347.6	1042.3	737.0	496.9	345.4	256.9
80°	2520.6	2251.0	1956.1	1629.8	1326.6	1029.7	741.3	505.3	322.2	210.6	164.2
82.5°	2082.5	1855.1	1591.8	1288.7	1025.5	808.6	562.2	366.3	227.4	147.4	115.8
85°	886.5	804.4	621.2	492.7	370.6	273.8	191.7	128.5	90.5	73.7	67.4
87.5°	37.8	42.1	40.0	31.6	23.1	23.1	21.1	16.9	16.9	16.9	16.9
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°	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5
2.5°	345.4	343.2	341.2	341.2	339.0	336.9	324.3	313.8	301.1	292.7	284.3
5°	360.1	357.9	353.8	351.6	347.4	345.4	318.0	294.7	275.8	261.1	250.6
7.5°	374.8	372.7	366.3	360.1	357.9	353.8	309.6	280.0	254.8	238.0	227.4
10°	393.7	387.4	381.2	372.7	366.3	360.1	301.1	263.2	235.8	221.1	210.6
12.5°	421.1	410.6	400.1	389.5	381.2	370.6	296.9	248.4	221.1	204.2	193.7
15°	452.8	438.0	425.3	412.8	397.9	387.4	288.5	235.8	208.4	191.7	179.0
17.5°	482.2	465.3	446.4	427.5	412.8	397.9	280.0	223.3	195.8	179.0	166.4
20°	524.3	499.1	475.9	452.8	431.7	412.8	267.4	210.6	185.3	166.4	153.7
22.5°	570.7	541.1	511.7	480.1	452.8	427.5	256.9	200.0	174.8	155.9	141.0
25°	629.6	593.8	553.8	513.8	482.2	448.6	246.4	189.5	164.2	145.3	130.6
27.5°	711.7	661.2	617.0	566.5	518.0	480.1	238.0	181.1	153.7	134.8	120.1
30°	823.3	749.6	680.1	625.4	568.5	513.8	229.5	170.6	145.3	124.3	107.4
32.5°	947.5	861.2	781.2	699.1	627.5	564.3	221.1	162.1	134.8	113.7	99.0
35°	1101.3	991.8	884.3	789.6	703.3	619.0	212.6	153.7	126.3	103.2	88.5
37.5°	1322.4	1185.5	1044.4	922.3	810.7	699.1	206.4	145.3	115.8	92.7	77.9
40°	1625.6	1448.8	1276.0	1109.6	964.4	825.4	197.9	136.8	107.4	84.3	69.4
42.5°	1954.1	1739.3	1511.9	1324.5	1124.5	949.7	189.5	128.5	99.0	75.8	61.1
45°	2362.6	2095.1	1819.3	1564.5	1320.2	1094.9	181.1	120.1	88.5	67.4	52.7
47.5°	2809.0	2467.9	2156.3	1836.2	1545.6	1276.0	170.6	113.7	80.0	58.9	46.3
50°	3268.1	2908.0	2514.2	2149.9	1804.6	1457.2	160.1	103.2	71.6	52.7	37.8
52.5°	3762.8	3337.5	2935.4	2482.6	2080.4	1695.0	149.5	94.8	65.2	46.3	31.6
55°	4392.4	3916.6	3444.9	2937.4	2453.2	1971.0	139.0	84.3	56.9	40.0	25.3
57.5°	5184.2	4619.9	4040.8	3468.1	2880.6	2333.1	130.6	73.7	48.5	33.6	21.1
60°	5931.7	5272.7	4571.4	3912.4	3249.0	2611.1	117.9	65.2	42.1	27.4	21.1
62.5°	6319.2	5567.4	4811.5	4085.0	3377.5	2710.1	105.2	54.7	35.8	23.1	18.9
65°	6224.4	5458.0	4725.1	3992.3	3299.7	2646.9	92.7	48.5	31.6	21.1	18.9
66°	6087.6	5329.5	4592.5	3895.5	3234.3	2579.5	86.3	46.3	29.5	21.1	16.9
67.5°	5788.5	5055.7	4352.4	3703.9	3055.3	2451.0	77.9	42.1	27.4	18.9	16.9
70°	4944.2	4278.8	3716.5	3139.6	2611.1	2065.7	63.2	35.8	23.1	16.9	16.9
72.5°	3272.2	2819.5	2444.7	2103.6	1758.2	1364.5	52.7	29.5	18.9	16.9	14.7
75°	1233.9	1116.0	958.1	861.2	751.7	659.0	42.1	18.9	14.7	14.7	14.7
77.5°	219.0	202.2	179.0	164.2	151.7	139.0	33.6	12.7	12.7	14.7	14.7
80°	147.4	136.8	124.3	113.7	105.2	94.8	23.1	10.5	12.7	12.7	14.7
82.5°	105.2	99.0	92.7	84.3	77.9	69.4	14.7	10.5	12.7	12.7	12.7
85°	63.2	58.9	54.7	50.5	44.2	42.1	10.5	10.5	10.5	12.7	12.7
87.5°	16.9	14.7	16.9	16.9	12.7	14.7	8.4	8.4	8.4	10.5	10.5
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°	330.5	330.5	330.5	330.5	330.5
2.5°	280.0	280.0	275.8	282.2	282.2
5°	242.2	242.2	240.0	242.2	242.2
7.5°	221.1	219.0	219.0	219.0	221.1
10°	202.2	200.0	200.0	200.0	200.0
12.5°	185.3	183.2	181.1	183.2	183.2
15°	170.6	166.4	166.4	166.4	166.4
17.5°	157.9	153.7	151.7	151.7	151.7
20°	145.3	139.0	139.0	139.0	139.0
22.5°	132.6	126.3	126.3	126.3	126.3
25°	120.1	113.7	113.7	113.7	113.7
27.5°	109.5	103.2	103.2	103.2	103.2
30°	96.9	92.7	92.7	94.8	92.7
32.5°	88.5	82.1	82.1	84.3	84.3
35°	77.9	73.7	73.7	73.7	73.7
37.5°	67.4	63.2	63.2	63.2	63.2
40°	58.9	54.7	52.7	54.7	54.7
42.5°	50.5	46.3	44.2	44.2	44.2
45°	44.2	37.8	35.8	37.8	37.8
47.5°	35.8	31.6	31.6	33.6	33.6
50°	27.4	27.4	29.5	33.6	33.6
52.5°	25.3	25.3	29.5	33.6	33.6
55°	23.1	25.3	29.5	31.6	33.6
57.5°	21.1	25.3	29.5	31.6	31.6
60°	21.1	23.1	27.4	31.6	31.6
62.5°	18.9	21.1	25.3	29.5	29.5
65°	18.9	21.1	25.3	29.5	29.5
66°	18.9	21.1	25.3	29.5	29.5
67.5°	18.9	21.1	25.3	29.5	29.5
70°	18.9	21.1	25.3	27.4	27.4
72.5°	16.9	18.9	23.1	27.4	27.4
75°	16.9	18.9	23.1	27.4	27.4
77.5°	16.9	18.9	23.1	27.4	27.4
80°	16.9	18.9	23.1	25.3	27.4
82.5°	14.7	18.9	21.1	25.3	25.3
85°	14.7	16.9	21.1	23.1	25.3
87.5°	12.7	14.7	16.9	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)