

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: STREETWORKS

Report Number: P324544

Luminaire Tested: **GAN-SA0D-750-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-750-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56929 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

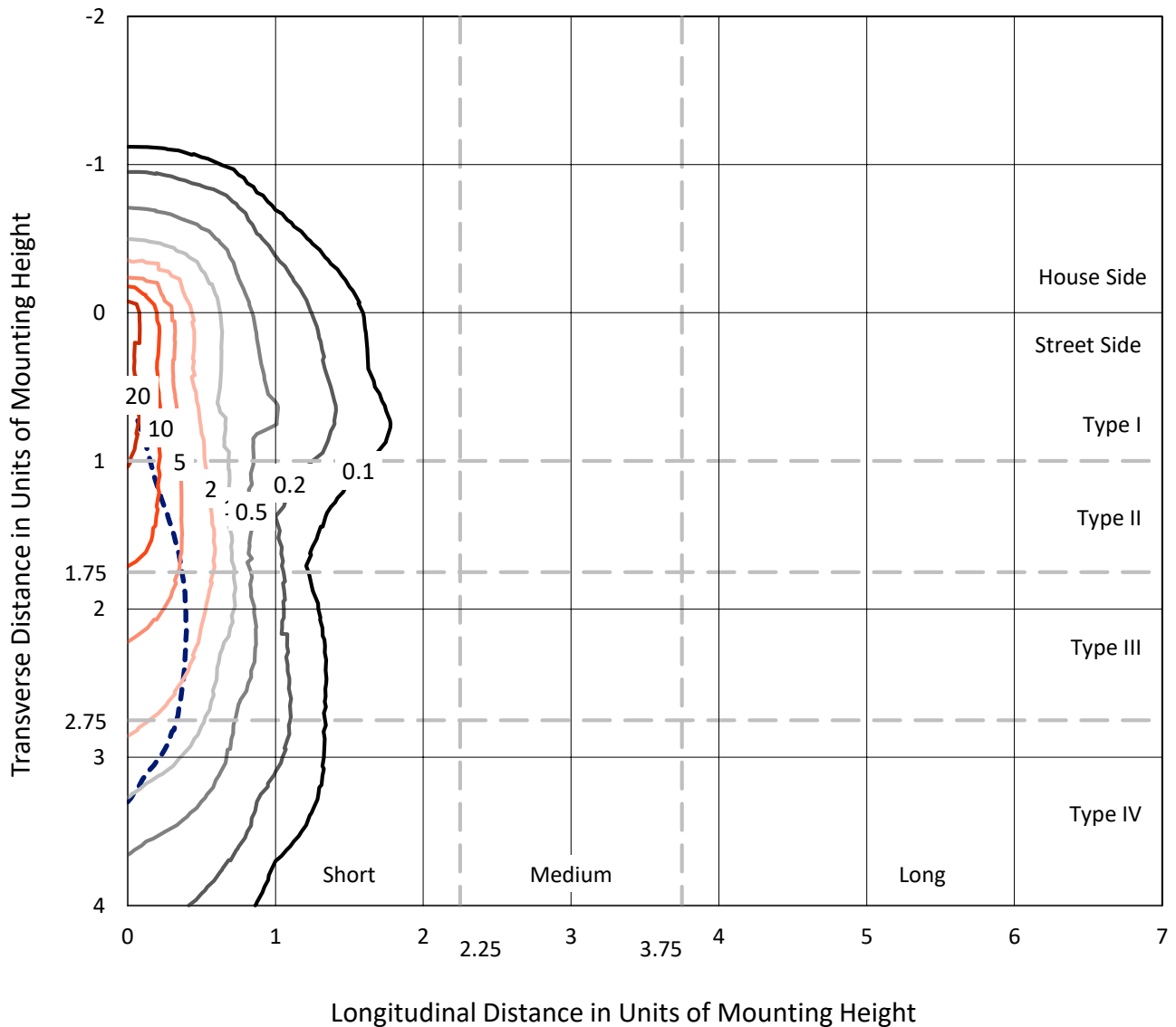
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

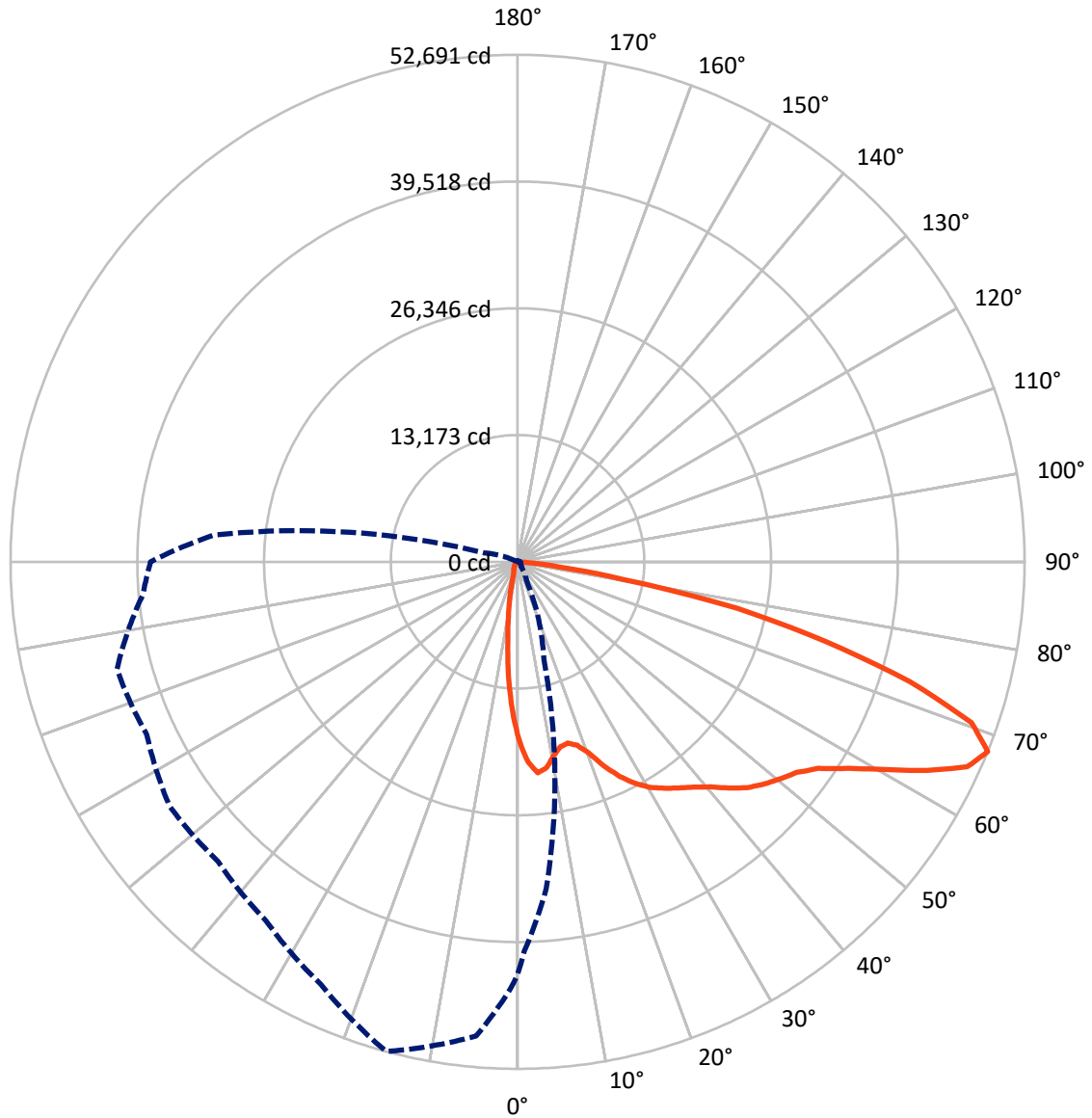
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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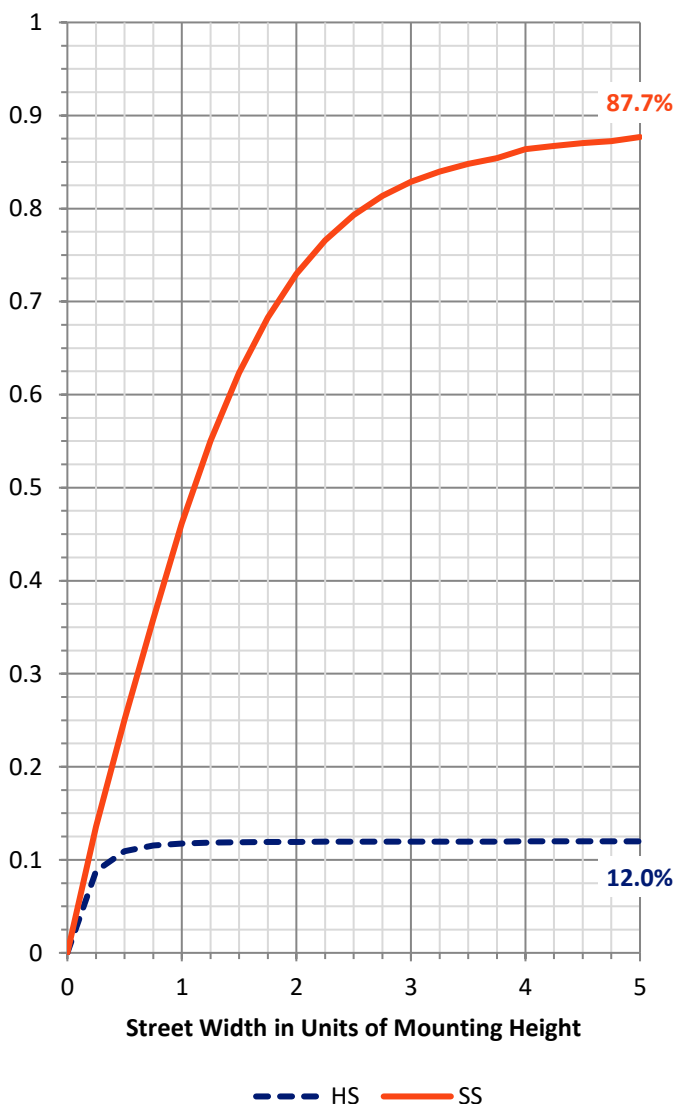
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6890.3	0.0	6890.3
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	50038.7	0.0	50038.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	56929.0	0.0	56929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1423.3	2.5
10°-20°	2833.0	5.0
20°-30°	4022.9	7.1
30°-40°	5942.0	10.4
40°-50°	8569.6	15.1
50°-60°	12030.0	21.1
60°-70°	14023.5	24.6
70°-80°	7169.1	12.6
80°-90°	915.6	1.6
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°	56929.0	100.0
0°-180°	56929.0	100.0

Coefficient of Utilization

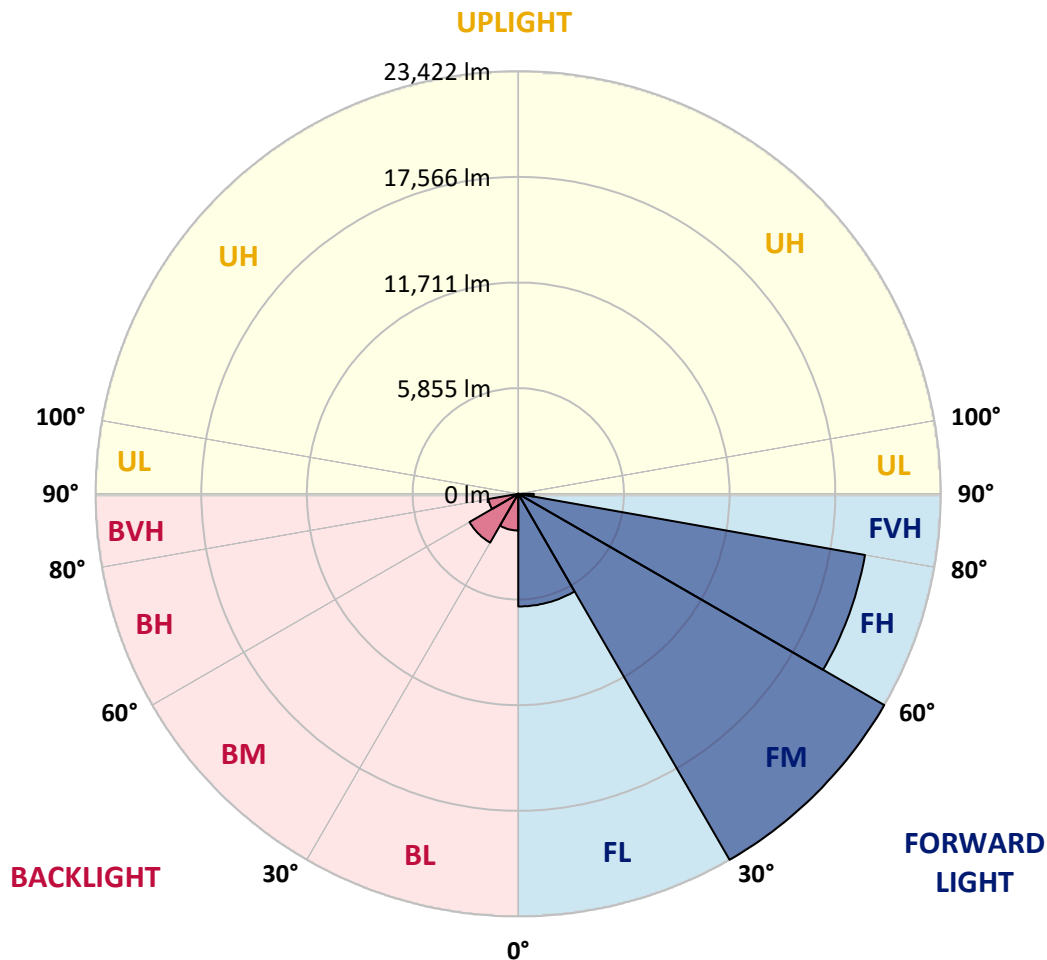


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6244.0	11.0			
FM (30°-60°)	23421.5	41.1			
FH (60°-80°)	19513.3	34.3			G5
FVH (80°-90°)	859.9	1.5			G5
BL (0°-30°)	2035.1	3.6	B3/2500		
BM (30°-60°)	3120.1	5.5	B3/5000		
BH (60°-80°)	1679.4	2.9	B3/2500		G3/2500
BVH (80°-90°)	55.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5
2.5°	20305.7	20149.2	19976.6	19412.9	18889.7	18291.0	17802.8	17463.0	17036.9	16484.0	16343.8
5°	20160.0	19992.8	19450.7	18196.6	17098.9	16030.9	15000.7	14396.5	13646.8	12886.2	12697.4
7.5°	18695.5	18520.2	17738.1	16020.1	14542.2	12999.5	11661.8	10833.8	9987.0	9291.1	8921.6
10°	17171.7	16980.3	16101.0	14016.3	12195.8	10801.5	9819.7	9029.5	8228.5	7484.2	6890.8
12.5°	16122.6	15871.8	14917.1	12554.5	10968.7	10022.0	9105.0	8158.4	7074.2	6275.9	5623.2
15°	15683.0	15397.1	14388.5	11990.8	10534.5	9423.3	8228.5	7066.1	5795.8	4881.6	4282.8
17.5°	16022.8	15650.6	14569.2	11953.1	9989.7	8476.6	6966.3	5601.7	4223.5	3298.4	2872.3
20°	17177.1	16689.0	15316.2	11942.3	9328.9	7352.0	5437.1	3894.5	2783.3	2238.5	2014.7
22.5°	18994.9	18350.3	16389.6	12028.6	8646.6	6170.7	3926.8	2645.7	2090.2	1807.0	1674.8
25°	21190.3	20443.2	17935.0	12333.3	8047.8	5021.8	2853.4	2090.2	1763.8	1556.2	1445.6
27.5°	23277.7	22670.9	19887.6	12773.0	7583.9	4094.0	2316.7	1771.9	1507.6	1370.1	1281.1
30°	25362.5	24599.3	21891.5	13296.2	7025.7	3465.6	2036.2	1615.5	1351.2	1205.6	1148.9
32.5°	26878.2	26244.4	23461.1	13673.7	6429.6	3055.7	1820.5	1478.0	1262.2	1113.9	1030.3
35°	28660.9	27943.5	24806.9	13757.4	6046.7	2796.8	1637.1	1329.6	1095.0	962.8	873.8
37.5°	30586.6	29693.9	26360.4	13574.0	5747.3	2670.0	1499.5	1262.2	1022.2	887.3	792.9
40°	32717.2	31708.5	27851.8	13309.7	5453.3	2626.9	1394.3	1210.9	965.5	828.0	730.9
42.5°	34961.1	33771.7	29143.7	13031.9	5267.2	2478.5	1383.6	1159.7	922.4	774.0	676.9
45°	36846.3	35640.7	30470.6	12940.2	5135.1	2316.7	1429.4	1124.6	892.7	730.9	636.5
47.5°	38348.5	37207.7	31829.9	13145.1	5059.6	2168.4	1302.6	1170.5	876.5	693.1	601.4
50°	40142.0	38850.2	33744.8	13757.4	4949.0	2020.0	1178.6	1340.4	876.5	668.9	571.8
52.5°	42391.3	41112.9	35880.8	14706.7	4727.8	1815.1	1059.9	1343.1	884.6	636.5	534.0
55°	45220.5	44292.7	38931.1	15747.7	4374.5	1513.0	917.0	1154.3	852.2	577.2	498.9
57.5°	47933.6	47175.8	41711.7	16459.7	3902.5	1181.3	798.3	930.5	779.4	507.0	445.0
59°	48675.3	47847.3	42731.1	16492.1	3549.2	1030.3	739.0	768.6	763.2	474.7	412.6
60°	48675.3	47796.1	43025.1	16319.5	3293.0	946.6	701.2	685.0	795.6	453.1	393.8
62.5°	47793.4	46558.2	42070.4	15151.7	2686.2	806.4	612.2	566.4	714.7	407.2	347.9
65°	45959.4	44160.5	38817.8	13040.0	2394.9	739.0	528.6	463.9	496.2	358.7	304.8
67.5°	42901.0	40463.0	34127.7	10534.5	2279.0	720.1	455.8	393.8	374.9	307.5	267.0
70°	37515.2	34810.1	28434.4	8282.5	2179.2	712.0	383.0	331.7	302.1	258.9	226.5
72.5°	27304.3	24483.3	20187.0	6475.5	2119.8	728.2	307.5	277.8	248.1	202.3	175.3
75°	15618.3	13770.8	11346.2	4277.4	1807.0	695.8	237.3	231.9	178.0	145.6	121.4
77.5°	8069.4	7824.0	6799.1	1642.5	865.7	304.8	156.4	134.8	105.2	89.0	72.8
80°	3481.8	3444.1	2980.2	474.7	229.2	169.9	89.0	56.6	48.5	37.8	29.7
82.5°	1202.9	1202.9	1059.9	159.1	102.5	83.6	10.8	0.0	0.0	0.0	0.0
85°	242.7	272.4	191.5	0.0	35.1	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	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5
2.5°	16173.9	15847.5	15825.9	15621.0	15364.8	15248.8	15181.4	15300.0	15445.7	15461.9	15680.3
5°	12554.5	12212.0	12354.9	11990.8	12063.6	11990.8	11872.2	11893.7	11958.5	11756.2	12007.0
7.5°	8816.5	8557.6	8722.1	8625.0	8754.4	8805.7	8732.9	8625.0	8306.7	8269.0	8487.4
10°	6645.4	6351.4	6176.1	5992.7	6033.2	6116.8	6089.8	6011.6	5809.3	5820.1	6030.5
12.5°	5340.0	5011.0	4663.1	4212.7	4102.1	4164.2	4102.1	4056.3	3862.1	3878.3	4064.4
15°	4050.9	3781.2	3417.1	3055.7	2858.8	2877.7	2705.1	2583.7	2462.4	2316.7	2430.0
17.5°	2734.7	2570.2	2462.4	2354.5	2119.8	2065.9	1847.4	1612.8	1521.1	1453.7	1502.2
20°	1936.4	1847.4	1804.3	1798.9	1664.0	1596.6	1383.6	1237.9	1192.1	1178.6	1208.3
22.5°	1618.2	1553.5	1491.4	1456.4	1389.0	1310.7	1148.9	1076.1	1043.7	1027.6	1049.1
25°	1407.8	1359.3	1294.6	1235.2	1208.3	1124.6	1008.7	954.7	933.2	917.0	927.8
27.5°	1251.4	1208.3	1132.7	1095.0	1073.4	1000.6	900.8	857.6	838.8	833.4	830.7
30°	1127.3	1086.9	1016.8	973.6	935.9	871.1	811.8	768.6	749.8	744.4	739.0
32.5°	1003.3	970.9	925.1	881.9	841.5	782.1	730.9	695.8	666.2	660.8	658.1
35°	846.9	814.5	790.2	787.5	749.8	693.1	655.4	609.5	585.2	577.2	579.9
37.5°	752.5	709.3	655.4	674.2	663.5	623.0	571.8	525.9	501.6	496.2	496.2
40°	693.1	647.3	585.2	552.9	585.2	577.2	496.2	450.4	426.1	423.4	418.0
42.5°	636.5	590.6	520.5	466.6	482.8	507.0	428.8	385.7	361.4	356.0	347.9
45°	596.0	547.5	469.3	407.2	374.9	426.1	366.8	312.9	299.4	288.6	283.2
47.5°	558.3	512.4	423.4	353.3	299.4	307.5	294.0	256.2	240.0	229.2	226.5
50°	525.9	477.4	383.0	302.1	248.1	226.5	237.3	202.3	188.8	178.0	172.6
52.5°	488.2	442.3	339.8	261.6	207.7	178.0	180.7	159.1	145.6	137.5	134.8
55°	458.5	412.6	304.8	229.2	183.4	145.6	129.5	124.1	116.0	110.6	107.9
57.5°	418.0	374.9	269.7	194.2	156.4	118.7	99.8	99.8	97.1	91.7	89.0
59°	393.8	356.0	248.1	175.3	142.9	102.5	89.0	91.7	89.0	83.6	80.9
60°	374.9	339.8	231.9	161.8	134.8	94.4	80.9	86.3	83.6	78.2	75.5
62.5°	331.7	307.5	199.6	134.8	118.7	75.5	67.4	72.8	72.8	70.1	67.4
65°	291.3	264.3	169.9	113.3	110.6	64.7	53.9	64.7	67.4	62.0	56.6
67.5°	253.5	226.5	148.3	91.7	102.5	51.2	40.5	53.9	72.8	56.6	51.2
70°	215.8	188.8	116.0	72.8	107.9	35.1	32.4	48.5	86.3	62.0	48.5
72.5°	167.2	145.6	80.9	53.9	116.0	24.3	24.3	40.5	97.1	67.4	45.8
75°	116.0	94.4	48.5	32.4	94.4	16.2	16.2	37.8	91.7	62.0	43.2
77.5°	67.4	51.2	16.2	2.7	48.5	0.0	2.7	27.0	64.7	37.8	18.9
80°	24.3	10.8	0.0	0.0	29.7	0.0	0.0	0.0	5.4	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5
2.5°	15736.9	16101.0	16427.4	16920.9	17506.2	18180.4	18760.3	19383.3	19968.5	20211.3	20378.5
5°	12058.3	12508.6	13034.6	13760.1	14725.6	15914.9	17028.8	18288.3	19642.2	20319.1	20955.6
7.5°	8525.2	8983.7	9636.4	10407.7	11575.5	12991.4	14447.8	16187.3	18021.3	19092.0	20146.5
10°	6130.3	6693.9	7303.5	8358.0	9544.7	10887.8	12387.3	14329.1	16373.4	17560.1	18830.4
12.5°	4172.2	4814.1	5736.5	6917.8	8312.1	9628.3	10930.9	12783.7	15157.1	16333.0	17695.0
15°	2502.8	2858.8	3835.1	5202.5	6912.4	8552.2	9978.9	11837.1	14366.9	15807.1	17223.0
17.5°	1542.7	1707.2	2238.5	3360.5	5156.6	7230.6	9186.0	11516.2	14480.1	16233.2	17748.9
20°	1229.8	1294.6	1464.5	1985.0	3417.1	5774.3	8293.3	11451.4	15405.2	17562.8	19189.1
22.5°	1068.0	1130.0	1243.3	1442.9	2149.5	4323.3	7446.4	11510.8	16732.1	19555.9	21454.6
25°	941.3	995.2	1103.1	1267.6	1575.0	3044.9	6540.2	11775.1	18460.9	22029.0	24046.4
27.5°	841.5	887.3	987.1	1138.1	1351.2	2125.2	5512.7	12096.0	20510.6	24558.8	26549.2
30°	749.8	790.2	879.2	1019.5	1173.2	1634.4	4385.3	12314.5	22563.0	26549.2	28337.3
32.5°	671.6	701.2	782.1	900.8	1019.5	1302.6	3333.5	12279.4	24086.8	28205.1	29623.8
35°	590.6	620.3	690.4	792.9	887.3	1076.1	2621.5	11624.0	25413.8	29923.1	31096.3
37.5°	501.6	539.4	606.8	698.5	763.2	946.6	2119.8	10833.8	26759.6	31886.5	32738.8
40°	426.1	463.9	523.2	623.0	663.5	898.1	1629.0	9871.0	28272.6	34081.9	34540.4
42.5°	353.3	388.4	450.4	536.7	625.7	774.0	1205.6	8770.6	29726.2	35959.0	36182.8
45°	285.9	320.9	385.7	472.0	668.9	641.9	933.2	7592.0	30899.4	37520.6	37593.4
47.5°	226.5	258.9	326.3	445.0	623.0	512.4	666.2	6667.0	31883.8	38739.6	38548.1
50°	175.3	202.3	272.4	509.7	544.8	423.4	504.3	6359.5	32765.8	39494.7	38998.5
52.5°	137.5	161.8	223.9	477.4	423.4	350.6	423.4	6648.1	33974.0	40120.5	39252.0
55°	110.6	134.8	175.3	272.4	288.6	296.7	361.4	6917.8	36058.8	41587.6	40748.9
57.5°	91.7	116.0	142.9	191.5	218.5	250.8	320.9	6947.5	38515.7	44025.7	43232.8
59°	83.6	105.2	129.5	169.9	191.5	229.2	302.1	6785.6	39381.5	44913.0	44516.5
60°	78.2	99.8	121.4	156.4	178.0	215.8	291.3	6631.9	39419.2	44880.6	45064.0
62.5°	67.4	89.0	107.9	132.2	151.0	183.4	261.6	6062.8	37822.6	43410.8	44735.0
65°	59.3	78.2	97.1	113.3	129.5	164.5	237.3	5024.5	35096.0	41040.1	42483.0
67.5°	53.9	67.4	89.0	99.8	116.0	145.6	210.4	3581.6	31689.7	38140.9	39076.7
70°	48.5	64.7	80.9	91.7	105.2	126.8	180.7	2057.8	26759.6	33895.8	34562.0
72.5°	45.8	62.0	72.8	86.3	94.4	113.3	164.5	968.2	19593.6	27153.3	28892.9
75°	40.5	56.6	67.4	80.9	89.0	102.5	140.2	463.9	13031.9	19650.3	21627.2
77.5°	24.3	45.8	62.0	72.8	78.2	89.0	116.0	267.0	8317.5	13600.9	16020.1
80°	0.0	16.2	45.8	62.0	67.4	75.5	89.0	210.4	4450.0	7770.0	9326.2
82.5°	0.0	0.0	32.4	48.5	45.8	51.2	67.4	132.2	2006.6	5078.4	5723.0
85°	0.0	0.0	10.8	37.8	32.4	24.3	45.8	45.8	439.6	2570.2	3206.7
87.5°	0.0	0.0	0.0	2.7	16.2	10.8	18.9	5.4	2.7	191.5	776.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5	18544.5
2.5°	20963.7	21163.3	21500.4	21659.5	21581.3	21249.6	20853.1	20448.6	20211.3	20305.7
5°	22252.9	23280.4	23873.8	24070.7	23741.6	22997.2	22023.6	20739.9	20284.1	20160.0
7.5°	22252.9	24186.6	25411.1	25626.8	24893.2	23434.2	21608.3	19604.4	18938.3	18695.5
10°	21470.8	24103.0	25810.2	26152.7	25127.9	22946.0	20499.8	18212.8	17422.6	17171.7
12.5°	20588.8	23423.4	25222.3	25694.2	24852.8	22460.5	19731.2	17271.5	16341.1	16122.6
15°	20046.7	22587.3	24076.0	24418.6	24062.6	22177.4	19547.8	16988.4	15893.4	15683.0
17.5°	20240.9	21940.0	22476.7	22676.3	22916.3	22077.6	20046.7	17608.7	16222.4	16022.8
20°	20971.8	21257.7	20979.9	21230.7	21878.0	22174.7	21236.1	19108.2	17444.1	17177.1
22.5°	22212.4	20904.4	20125.0	20224.7	21012.3	22495.6	23053.9	21249.6	19329.3	18994.9
25°	23658.0	21190.3	19650.3	19561.3	20370.4	22919.0	24715.2	23579.8	21559.8	21190.3
27.5°	25475.8	21832.1	19553.2	19464.2	20146.5	23315.5	26096.1	25883.0	23908.8	23277.7
30°	26878.2	22463.2	19841.8	19636.8	20370.4	23590.6	27204.6	27838.4	25780.5	25362.5
32.5°	27884.2	23207.6	20311.0	20014.4	21001.5	24065.3	28059.5	29629.2	27512.0	26878.2
35°	28650.1	24016.7	21068.9	20580.7	21869.9	24785.4	28860.5	31535.9	29354.1	28660.9
37.5°	29367.5	25152.1	22252.9	21670.3	23231.9	25945.1	29707.4	33698.9	31414.6	30586.6
40°	30368.1	26438.6	24078.7	23560.9	25521.6	27525.5	30764.6	35953.6	33758.2	32717.2
42.5°	31368.7	27819.5	25947.8	26088.0	28377.7	29445.8	32129.3	38337.7	36072.3	34961.1
45°	32283.0	29243.5	28609.7	29257.0	31028.9	31552.1	33485.9	39715.9	37919.7	36846.3
47.5°	33097.5	31023.5	31255.4	32978.8	34044.1	33458.9	34499.9	40905.3	39295.2	38348.5
50°	34044.1	33326.7	34742.6	37180.7	37515.2	35185.0	35422.3	42313.1	40902.6	40142.0
52.5°	35079.8	35754.0	38604.7	40754.2	40646.4	37059.4	36350.1	43890.8	43106.0	42391.3
55°	36255.7	37714.7	42005.6	44098.5	44006.8	39152.2	37887.3	45840.8	45867.7	45220.5
57.5°	38000.6	39403.1	44314.3	46803.6	46957.3	41568.7	40492.6	48025.3	48365.2	47933.6
59°	39252.0	40498.0	45228.6	47933.6	48559.3	43437.8	42396.7	49292.9	49069.1	48675.3
60°	40179.8	41193.9	45681.6	48524.3	49489.8	44705.3	43801.8	50037.3	49152.7	48675.3
62.5°	42474.9	42709.6	46498.8	49193.1	50560.5	47521.0	47755.6	51304.9	48572.8	47793.4
65°	43545.6	43667.0	46488.0	47995.7	49524.9	49713.7	51342.6	51342.6	47156.9	45959.4
67.5°	43097.9	42512.7	44182.1	44025.7	45552.2	48411.0	52691.1	49460.1	44449.1	42901.0
70°	39457.0	37205.0	36463.3	36530.8	37698.6	42108.1	50021.1	43920.5	39324.8	37515.2
72.5°	32830.5	27428.4	25597.1	27687.3	27992.1	32361.2	42628.7	33075.9	29000.8	27304.3
75°	26406.2	19334.7	16357.3	18563.4	19081.2	23682.3	32976.1	20599.6	16939.8	15618.3
77.5°	18970.6	13878.7	11737.3	11583.6	12252.4	15019.5	23399.1	10367.2	8646.6	8069.4
80°	10777.2	9134.7	9835.9	9280.3	9617.5	9390.9	11117.0	4547.1	3724.5	3481.8
82.5°	6505.1	5399.4	5847.1	4868.1	6159.9	5364.3	4282.8	1456.4	1264.9	1202.9
85°	4231.6	2950.5	1537.3	1030.3	2122.5	3427.9	957.4	396.5	304.8	242.7
87.5°	1459.1	752.5	75.5	32.4	226.5	639.2	35.1	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

(END OF REPORT)