

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: P322317

Luminaire Tested: **GAN-SA3B-760-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-760-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12713 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 124
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

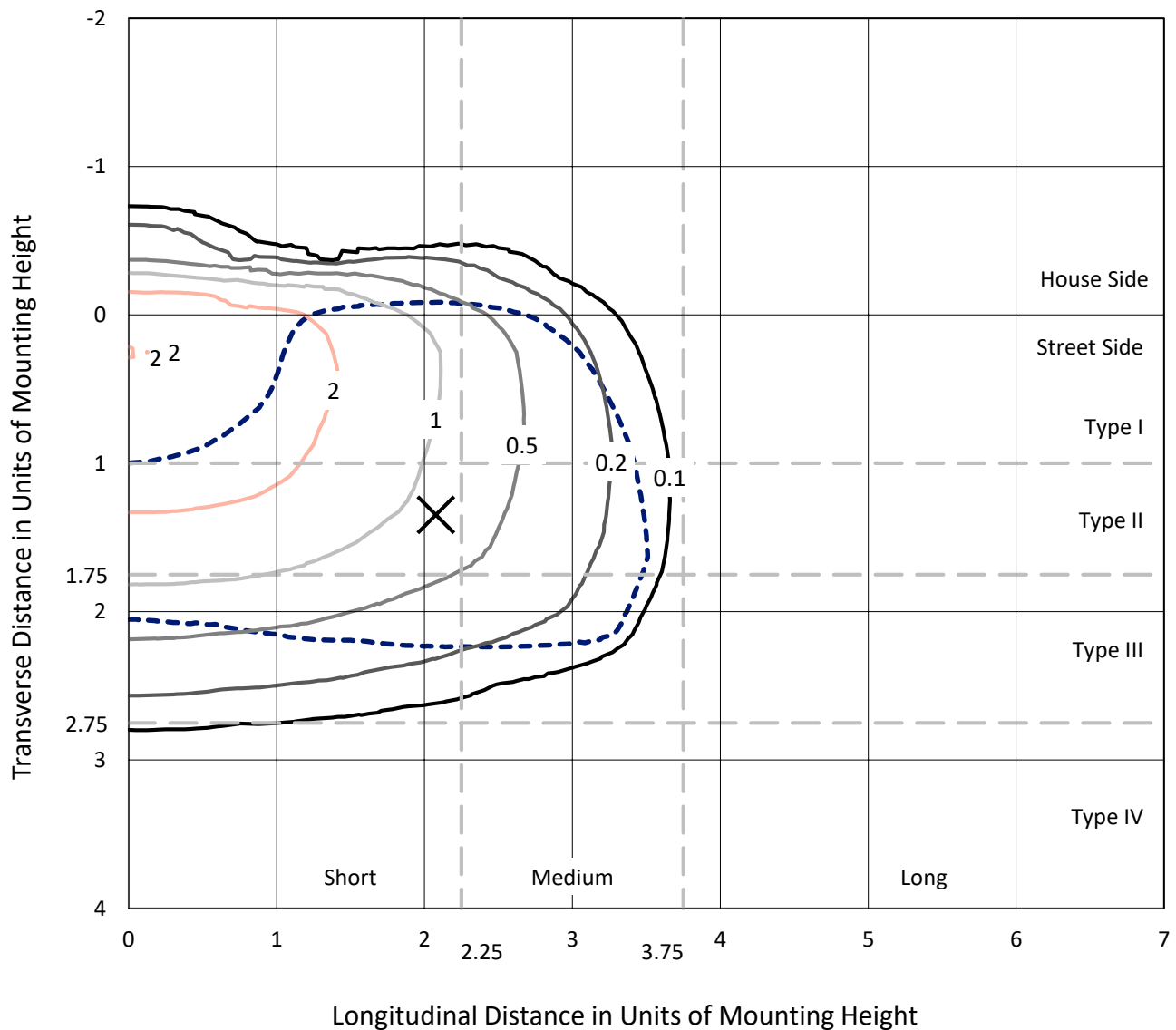


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Iso-Footcandle Lines of Horizontal Illumination

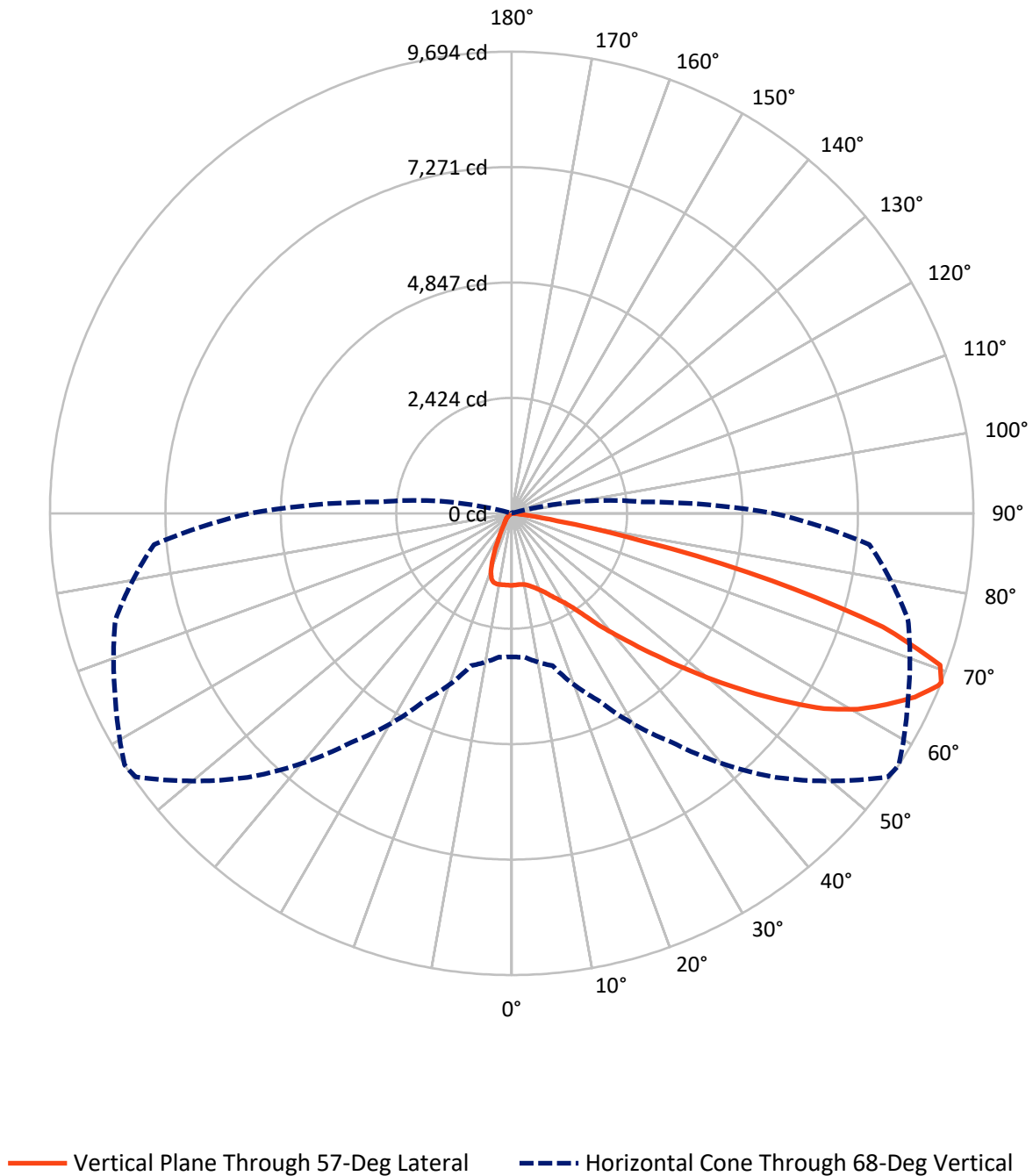
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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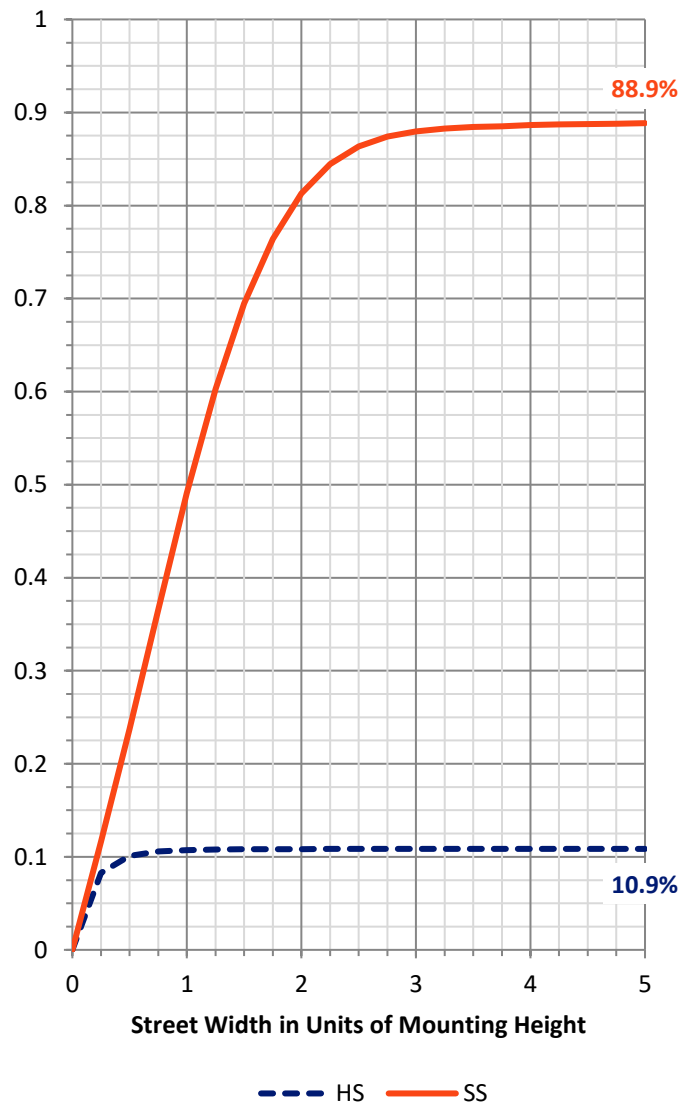
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1394.0	0.0	1394.0
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	11318.9	0.0	11318.9
	% Fixture	89.0	0.0	89.0
Total	Lumens	12713.0	0.0	12713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	1.1
10°-20°	391.8	3.1
20°-30°	675.8	5.3
30°-40°	1166.4	9.2
40°-50°	1995.2	15.7
50°-60°	3192.1	25.1
60°-70°	3688.2	29.0
70°-80°	1409.3	11.1
80°-90°	52.8	0.4
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°	12713.0	100.0
0°-180°	12713.0	100.0

Coefficient of Utilization



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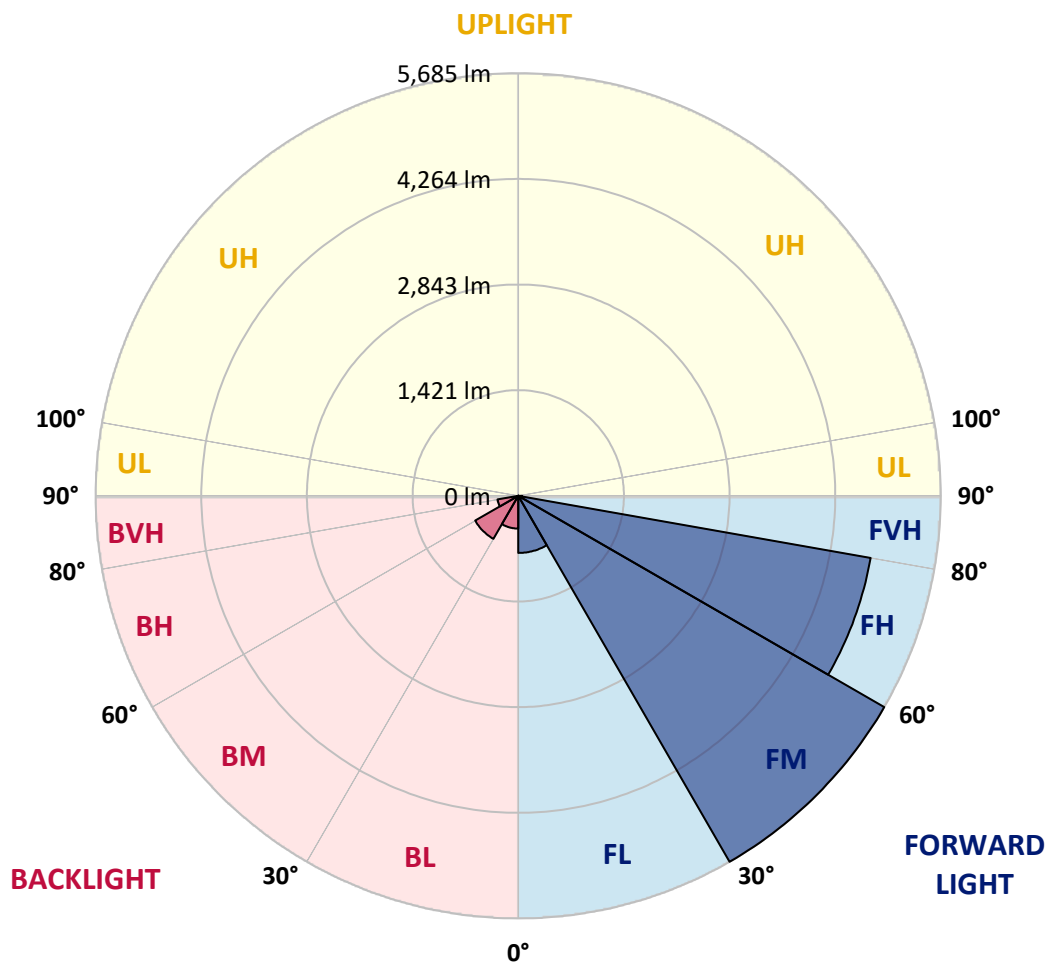
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	768.4	6.0			
FM	(30°-60°)	5685.1	44.7			
FH	(60°-80°)	4813.5	37.9			G2/5000
FVH	(80°-90°)	51.9	0.4			G1/100
BL	(0°-30°)	440.6	3.5	B1/500		
BM	(30°-60°)	668.6	5.3	B1/1000		
BH	(60°-80°)	283.9	2.2	B1/500		G1/500
BVH	(80°-90°)	1.0	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6
2.5°	1475.2	1481.8	1486.6	1489.6	1493.2	1501.0	1503.4	1507.0	1508.8	1508.8	1513.0
5°	1416.9	1424.1	1434.3	1442.7	1459.5	1481.2	1496.8	1502.8	1513.6	1523.3	1528.7
7.5°	1362.8	1371.2	1383.2	1403.0	1431.9	1466.8	1499.2	1507.6	1528.7	1549.1	1559.3
10°	1327.9	1334.5	1350.1	1378.4	1416.3	1465.0	1510.6	1520.9	1556.9	1591.2	1610.4
12.5°	1315.9	1321.9	1338.1	1370.0	1416.9	1474.0	1537.1	1552.1	1605.0	1654.9	1682.0
15°	1333.3	1334.5	1351.9	1382.0	1428.3	1496.2	1581.0	1599.0	1665.7	1730.7	1764.3
17.5°	1400.6	1395.2	1404.2	1417.5	1454.1	1525.7	1627.3	1654.3	1743.3	1819.6	1851.5
20°	1568.9	1568.9	1548.5	1512.4	1513.0	1571.4	1689.8	1720.4	1829.2	1917.6	1946.5
22.5°	1856.9	1851.5	1810.6	1722.2	1641.1	1650.1	1766.1	1805.8	1932.6	2027.0	2036.6
25°	2203.1	2196.5	2133.4	2009.0	1868.3	1777.5	1869.5	1915.2	2055.9	2139.4	2119.6
27.5°	2569.8	2564.4	2501.9	2347.4	2147.2	1980.7	1992.7	2036.0	2181.5	2263.9	2200.7
30°	2925.1	2926.9	2865.0	2706.3	2479.7	2239.8	2149.0	2174.3	2303.5	2387.1	2296.9
32.5°	3262.9	3265.3	3211.8	3034.5	2822.9	2541.0	2365.4	2358.8	2445.4	2527.8	2424.4
35°	3564.1	3570.1	3533.4	3395.8	3171.6	2876.4	2646.2	2630.5	2646.8	2740.0	2619.7
37.5°	3854.4	3858.1	3830.4	3714.4	3526.8	3244.9	3000.8	2978.6	2943.7	3015.3	2877.6
40°	4172.4	4163.4	4131.6	4026.4	3865.3	3651.9	3382.0	3343.5	3282.8	3346.5	3216.6
42.5°	4468.2	4458.0	4463.4	4344.4	4208.5	4070.3	3826.2	3760.1	3724.6	3797.9	3632.6
45°	4837.9	4832.5	4850.5	4747.1	4637.1	4536.7	4335.3	4263.2	4247.6	4333.5	4135.8
47.5°	5202.8	5216.0	5271.9	5228.0	5183.5	5095.2	4874.6	4842.1	4851.7	4955.7	4666.6
50°	5507.0	5522.6	5675.9	5726.4	5790.7	5739.0	5517.8	5497.9	5535.8	5629.6	5237.6
52.5°	5727.0	5758.8	5949.4	6182.0	6416.5	6451.3	6230.7	6212.7	6263.8	6278.2	5678.9
55°	5879.7	5907.9	6123.7	6549.3	7026.6	7176.9	7039.8	6970.1	6960.5	6818.0	6142.9
57.5°	5906.7	5903.7	6213.9	6786.8	7505.1	7892.8	7806.3	7737.7	7540.6	7317.0	6674.9
60°	5754.0	5771.4	6131.5	6869.1	7805.7	8434.5	8441.1	8352.1	8044.9	7802.1	7190.7
62.5°	5283.9	5354.9	5718.5	6653.3	7802.1	8652.7	8906.3	8838.4	8471.1	8199.4	7713.7
65°	4521.7	4546.9	4893.8	5913.9	7274.9	8561.3	9325.3	9300.1	8855.2	8585.3	7982.4
67.5°	3302.0	3247.3	3611.6	4657.0	6159.2	8028.7	9625.9	9657.8	9151.6	8664.7	7696.3
68°	3013.5	3029.7	3313.4	4346.2	5867.0	7840.5	9645.7	9694.4	9181.1	8613.0	7540.0
70°	1796.2	1827.4	2080.5	2992.4	4463.4	6775.9	9431.7	9542.9	9005.5	8079.8	6521.7
72.5°	458.7	495.9	735.2	1339.3	2549.4	4774.2	7962.0	8150.1	7818.9	6554.7	4402.7
75°	188.8	198.4	262.7	441.2	949.8	2150.8	5247.9	5650.6	5420.4	3924.2	1989.7
77.5°	130.4	137.1	168.9	244.7	411.2	729.2	2572.8	2863.8	2580.0	1339.3	434.0
80°	93.8	99.2	120.8	162.9	236.2	260.3	838.6	969.6	770.0	294.0	107.6
82.5°	55.9	60.1	90.2	116.0	143.7	124.4	208.6	236.8	223.0	146.1	48.1
85°	27.7	32.5	60.7	83.0	77.5	52.3	63.7	70.9	87.8	89.0	25.8
87.5°	1.8	3.6	35.5	49.9	21.6	12.0	18.6	22.8	31.3	43.9	10.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6	1510.6
2.5°	1514.8	1515.4	1511.2	1509.4	1510.6	1503.4	1500.4	1501.6	1501.6	1503.4	1500.4
5°	1529.9	1529.9	1522.7	1513.0	1507.6	1493.8	1484.8	1482.4	1480.6	1479.4	1477.0
7.5°	1562.3	1558.7	1546.1	1525.1	1507.0	1477.0	1454.1	1442.1	1436.1	1433.7	1431.9
10°	1614.6	1608.0	1587.0	1547.9	1506.4	1452.9	1403.0	1367.6	1338.1	1326.1	1318.9
12.5°	1685.0	1675.3	1639.9	1575.0	1502.2	1403.6	1295.4	1191.4	1094.7	1055.0	1035.1
15°	1766.1	1752.3	1696.4	1597.8	1477.6	1292.4	1057.4	875.2	741.2	690.7	669.1
17.5°	1848.5	1830.4	1745.7	1612.2	1403.6	1062.2	741.8	560.3	470.7	446.6	438.2
20°	1931.4	1905.0	1788.4	1601.4	1236.5	765.8	489.3	409.4	383.5	376.3	373.9
22.5°	2010.2	1969.3	1826.8	1559.3	979.2	514.0	387.1	361.9	353.5	349.3	348.1
25°	2078.7	2021.6	1860.5	1429.5	693.1	388.3	348.7	340.2	329.4	321.6	322.2
27.5°	2143.0	2073.9	1880.9	1215.5	462.3	331.8	322.8	311.4	291.5	280.1	280.1
30°	2220.6	2143.6	1896.0	935.4	340.2	293.4	286.1	268.7	241.7	226.6	226.6
32.5°	2337.2	2249.4	1886.3	656.4	281.9	257.9	241.1	217.0	187.6	173.1	172.5
35°	2515.7	2412.9	1817.8	430.4	248.9	224.2	197.2	167.7	141.9	129.8	129.2
37.5°	2756.2	2631.7	1663.9	307.8	223.0	193.0	160.5	128.0	108.8	101.0	100.4
40°	3068.2	2886.0	1443.9	249.5	199.0	162.9	123.8	99.2	86.0	80.0	80.6
42.5°	3442.7	3158.3	1180.0	215.2	175.5	134.1	96.8	78.1	69.7	65.5	64.3
45°	3858.7	3427.0	903.5	191.8	152.1	108.2	75.7	61.9	55.3	52.9	52.9
47.5°	4316.1	3688.5	661.2	171.3	126.8	83.6	60.7	50.5	45.1	43.3	42.7
50°	4731.5	3870.1	476.7	149.7	104.0	66.1	49.3	42.1	38.5	36.1	36.1
52.5°	5077.7	3927.2	351.1	126.2	84.2	52.9	40.9	36.1	32.5	30.7	30.7
55°	5382.5	3903.7	260.9	104.0	67.9	43.3	34.9	30.7	27.7	25.8	25.8
57.5°	5674.7	3828.0	194.8	84.8	54.7	34.9	29.5	25.8	22.8	21.6	21.6
60°	5913.3	3701.8	144.9	68.5	43.9	28.3	24.6	21.0	18.6	16.8	16.8
62.5°	6106.9	3562.3	106.4	56.5	34.9	22.2	19.2	17.4	13.8	12.0	12.0
65°	6108.1	3330.9	80.0	46.9	27.1	17.4	14.4	13.8	9.0	7.2	6.6
67.5°	5666.3	2871.6	61.3	40.3	21.0	13.2	10.8	11.4	4.8	3.0	2.4
68°	5505.7	2755.0	57.7	39.7	19.8	12.6	10.2	11.4	4.2	2.4	1.8
70°	4641.9	2191.7	46.3	38.5	17.4	9.6	8.4	11.4	3.6	1.8	1.2
72.5°	2969.0	1272.0	34.3	30.7	13.2	7.2	5.4	10.2	3.6	1.2	0.6
75°	1263.6	394.3	23.4	21.6	7.8	5.4	3.6	6.6	2.4	0.6	0.0
77.5°	266.3	89.0	13.8	13.2	5.4	3.6	2.4	1.8	0.6	0.0	0.0
80°	68.5	25.8	7.2	6.6	3.0	1.8	1.2	0.0	0.0	0.0	0.0
82.5°	21.6	10.2	4.2	3.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.8	6.0	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.0	1.8	0.6	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

(END OF REPORT)