

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: P452081

Luminaire Tested: **GLAN-SA3A-730-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10175 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 93
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

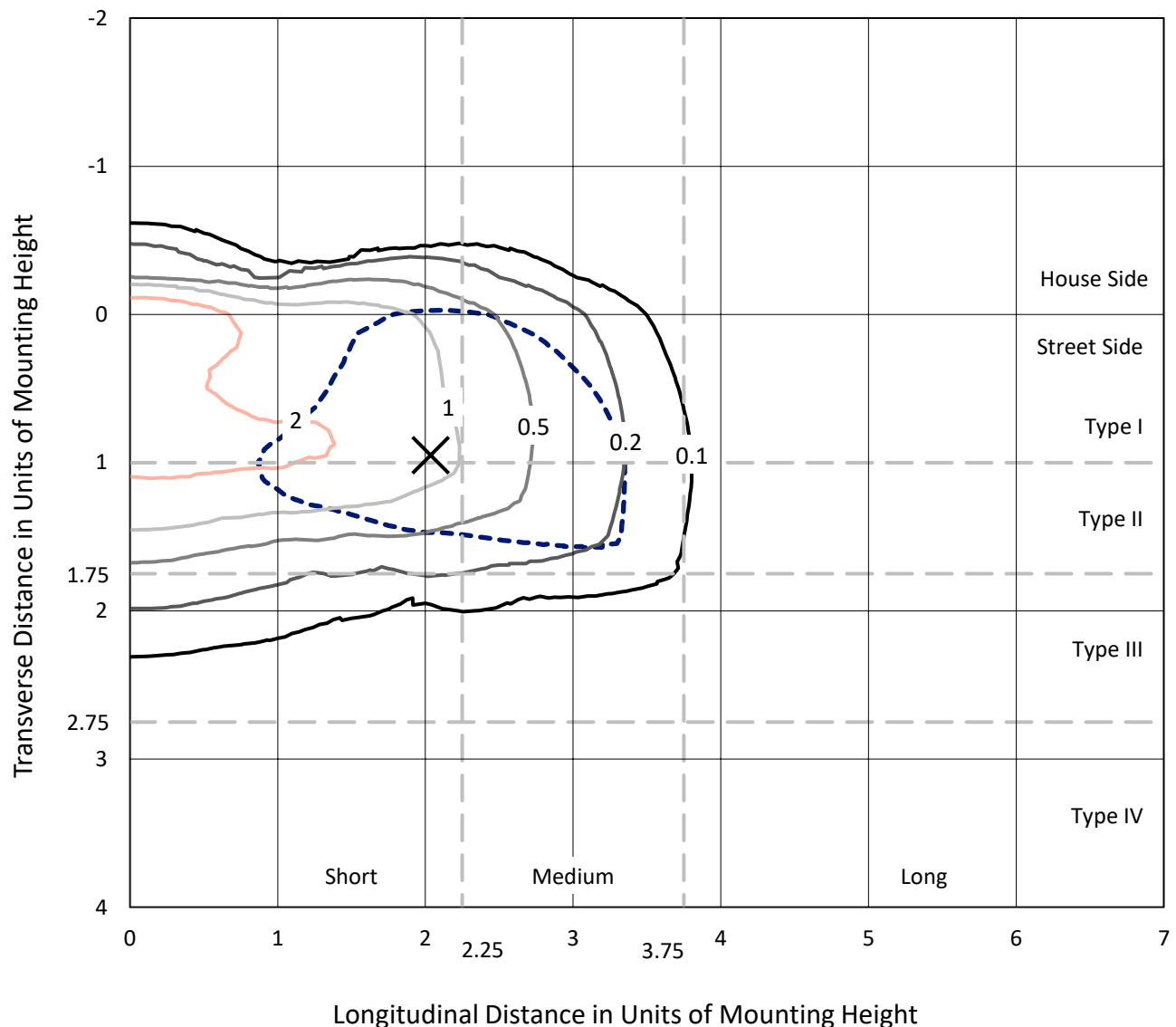


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Iso-Footcandle Lines of Horizontal Illumination

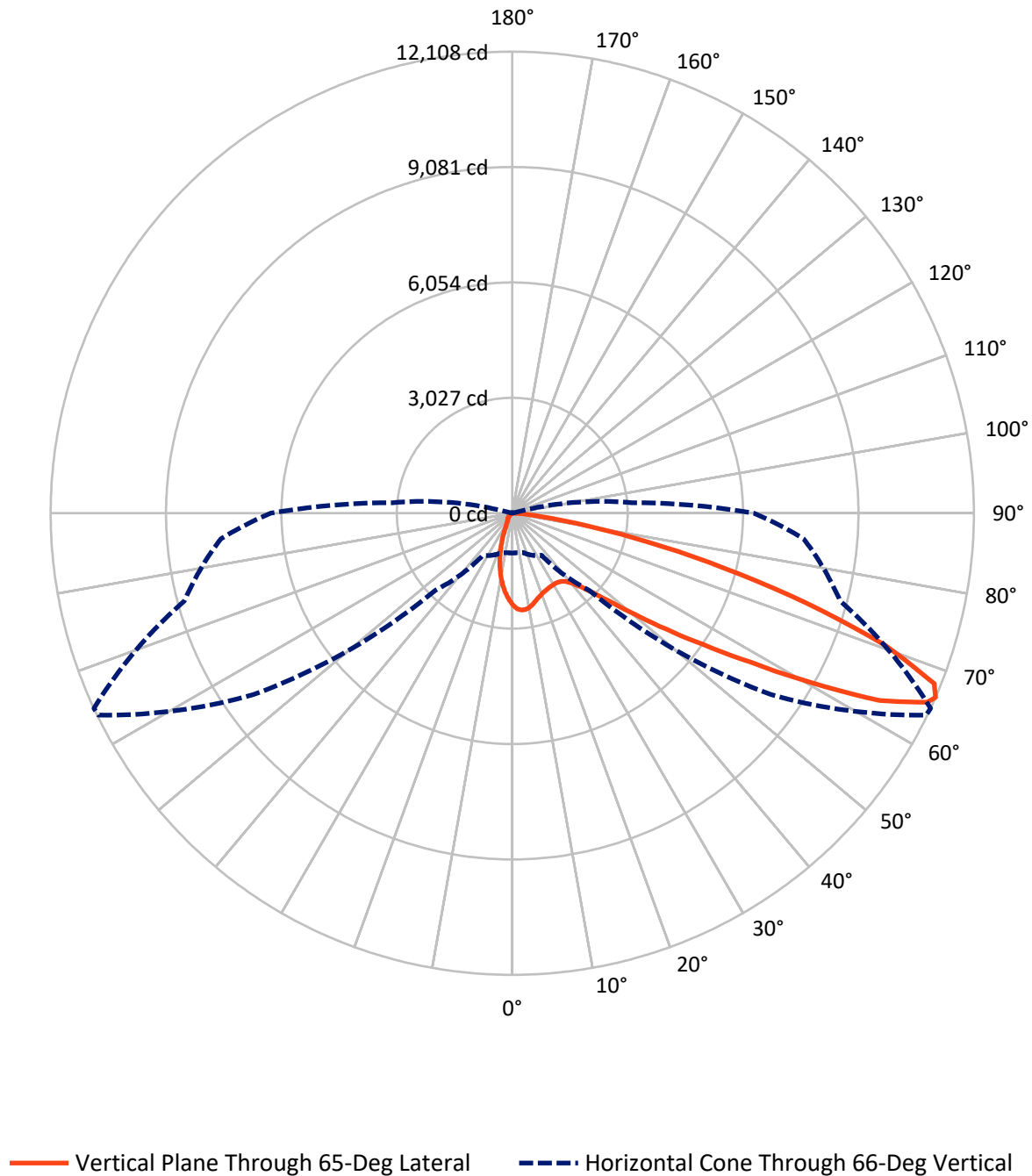
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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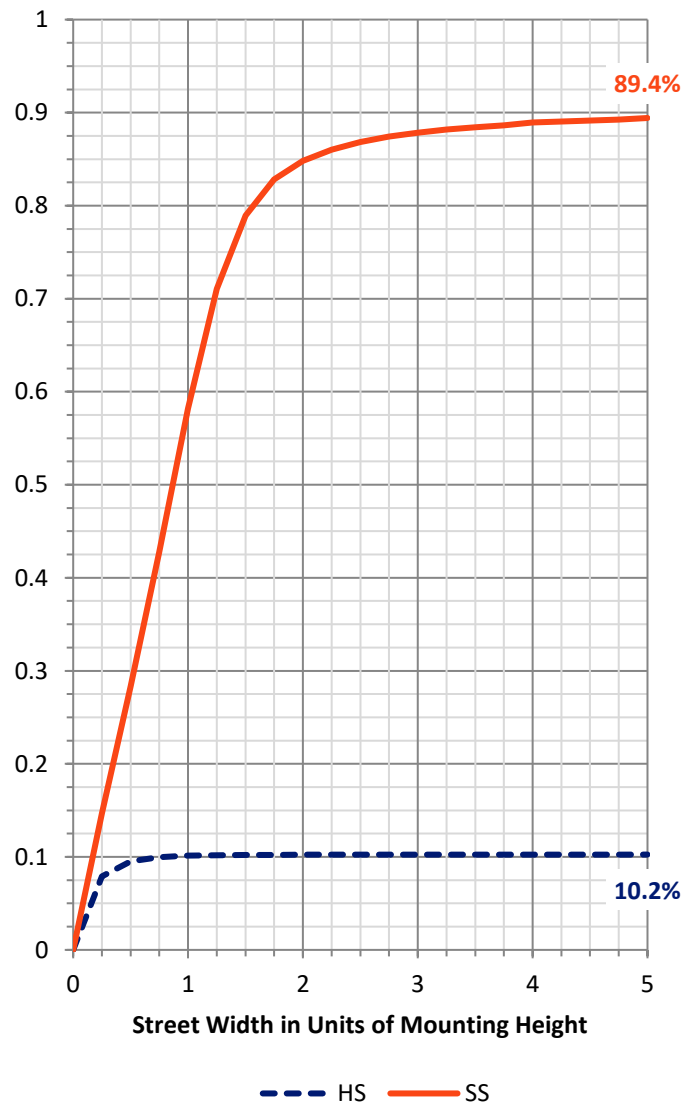
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1052.2	0.0	1052.2
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	9122.8	0.0	9122.8
	% Fixture	89.7	0.0	89.7
Total	Lumens	10175.0	0.0	10175.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	1.9
10°-20°	430.0	4.2
20°-30°	615.9	6.1
30°-40°	899.6	8.8
40°-50°	1508.5	14.8
50°-60°	2517.4	24.7
60°-70°	2672.2	26.3
70°-80°	1210.2	11.9
80°-90°	123.8	1.2
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°	10175.0	100.0
0°-180°	10175.0	100.0

Coefficient of Utilization



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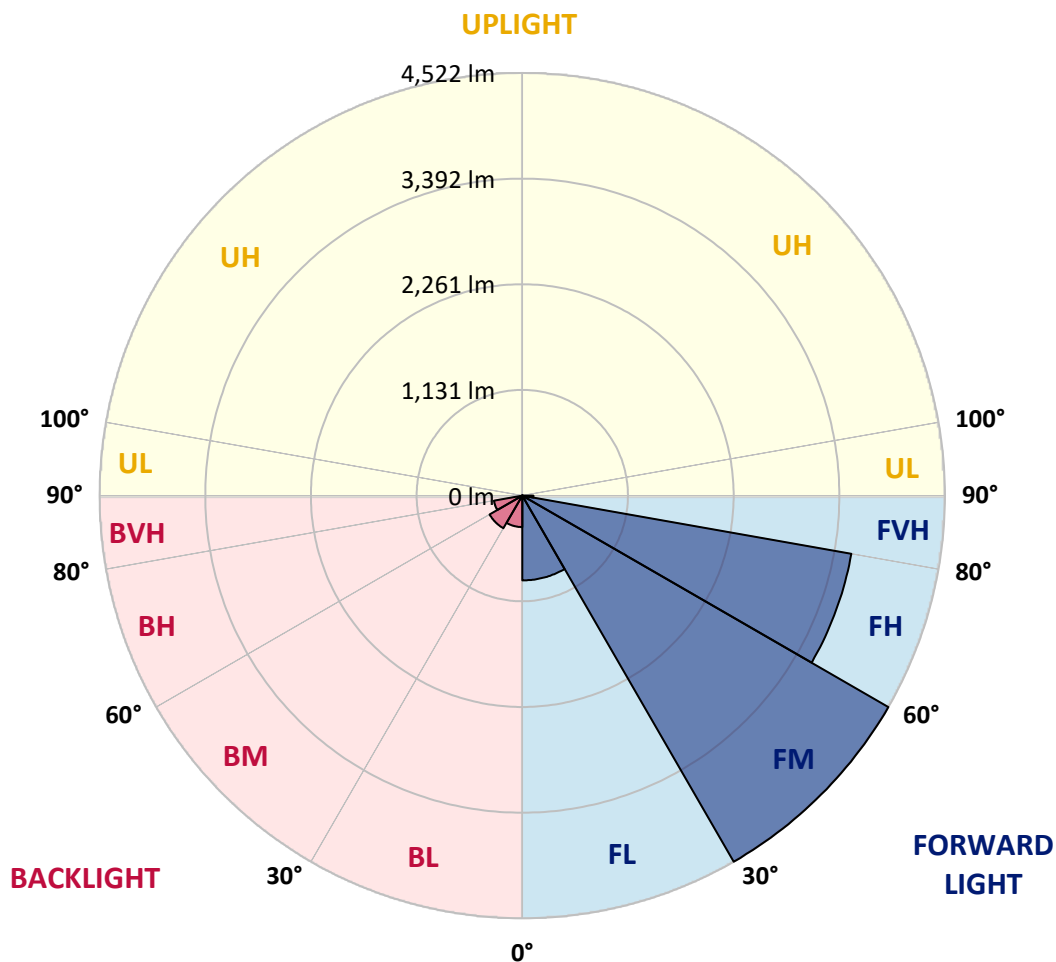
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	906.6	8.9			
FM	(30°-60°)	4522.0	44.4			
FH	(60°-80°)	3574.2	35.1			G2/5000
FVH	(80°-90°)	119.9	1.2			G2/225
BL	(0°-30°)	336.6	3.3	B1/500		
BM	(30°-60°)	403.5	4.0	B1/1000		
BH	(60°-80°)	308.2	3.0	B1/500		G1/500
BVH	(80°-90°)	3.9	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9
2.5°	2542.8	2545.5	2548.9	2553.8	2557.2	2546.9	2532.4	2516.0	2512.5	2477.5	2434.9
5°	2406.7	2410.8	2441.0	2457.5	2494.6	2528.3	2549.6	2552.4	2551.0	2518.0	2450.0
7.5°	2212.9	2224.6	2254.1	2283.0	2352.4	2416.3	2491.9	2544.8	2548.3	2539.3	2454.8
10°	2055.5	2063.1	2078.2	2135.2	2193.0	2290.5	2396.4	2496.0	2504.3	2540.0	2450.7
12.5°	1932.5	1943.5	1962.0	2006.0	2075.4	2167.5	2287.8	2421.8	2439.0	2526.9	2439.0
15°	1846.6	1852.1	1870.6	1913.9	1981.3	2066.5	2188.1	2344.1	2359.3	2509.8	2436.9
17.5°	1806.0	1812.2	1825.3	1859.6	1915.3	1994.3	2113.2	2281.6	2300.8	2498.8	2444.5
20°	1817.0	1822.5	1823.2	1841.1	1878.9	1945.6	2058.3	2223.2	2247.9	2491.9	2456.9
22.5°	1879.6	1880.3	1872.0	1863.8	1876.8	1924.9	2024.6	2186.1	2211.5	2490.5	2471.3
25°	1973.0	1975.1	1961.4	1932.5	1906.4	1931.1	2017.0	2162.0	2184.7	2487.1	2480.2
27.5°	2102.2	2101.6	2097.4	2049.3	1975.1	1958.6	2023.2	2149.0	2168.2	2477.5	2483.7
30°	2283.0	2277.5	2268.5	2214.3	2100.9	2025.3	2049.3	2140.7	2158.6	2463.7	2474.7
32.5°	2461.0	2481.6	2480.2	2428.7	2287.1	2144.2	2103.6	2151.7	2164.8	2454.8	2461.7
35°	2668.5	2667.8	2720.7	2701.5	2535.9	2296.0	2196.4	2188.1	2198.5	2461.0	2455.5
37.5°	2860.9	2878.8	2961.3	2981.2	2830.0	2510.5	2327.7	2266.5	2269.9	2502.9	2470.6
40°	3100.8	3135.1	3258.2	3324.8	3191.5	2828.6	2521.5	2410.1	2410.8	2606.0	2527.6
42.5°	3410.0	3464.3	3579.1	3690.4	3619.0	3205.2	2812.1	2637.6	2636.2	2787.4	2658.2
45°	3786.0	3823.8	3954.3	4130.9	4085.6	3731.0	3235.5	2990.1	2972.3	3085.0	2889.8
47.5°	4110.3	4161.9	4294.5	4495.9	4702.0	4372.9	3741.3	3474.6	3463.0	3558.5	3287.0
50°	4251.9	4297.3	4436.8	4719.2	5218.8	5215.4	4494.5	4181.8	4161.9	4213.4	3901.4
52.5°	4096.6	4139.2	4280.1	4631.9	5462.1	6242.1	5585.8	5069.0	5045.0	4979.0	4635.4
55°	3564.7	3599.7	3807.9	4212.0	5368.6	6926.6	7089.5	6165.1	6071.7	5815.3	5466.2
57.5°	2838.3	2820.4	2949.6	3419.0	4820.2	7156.1	8633.0	7530.7	7363.7	6538.3	6169.3
60°	1966.9	2021.8	2074.1	2383.3	3624.5	6758.2	9593.1	9247.4	9027.5	7249.6	6842.8
62.5°	1445.9	1482.4	1516.7	1659.7	2278.9	5396.1	9762.8	11010.8	10815.6	8004.9	7485.3
65°	1143.6	1146.3	1160.0	1300.9	1501.6	3509.0	8947.1	12005.2	11955.1	8732.0	7745.8
66°	1041.8	1042.5	1063.8	1215.0	1347.7	2857.5	8293.5	12080.8	12108.3	8906.5	7669.5
67.5°	910.6	907.8	938.8	1092.0	1227.4	2060.3	7123.8	11774.3	11937.2	9040.5	7395.3
70°	705.8	702.4	740.1	916.1	1130.5	1374.5	4735.0	10109.9	10372.4	8766.3	6543.1
72.5°	470.1	472.8	537.4	723.0	1079.0	1210.2	2848.6	7690.8	8061.9	7239.3	5147.4
75°	274.2	279.0	352.5	537.4	936.7	1153.9	1612.2	5484.1	5721.2	4998.9	3206.6
77.5°	143.6	145.7	197.2	354.6	718.2	1071.4	1074.1	3503.5	3614.8	2429.4	1269.3
80°	76.3	74.2	105.8	213.7	494.1	940.8	871.4	1854.8	1928.4	721.6	320.9
82.5°	28.9	31.6	56.4	140.2	292.1	675.5	750.5	819.9	794.4	158.8	134.7
85°	5.5	6.9	24.1	83.2	147.1	282.5	553.2	402.0	372.5	59.8	77.7
87.5°	0.7	1.4	6.9	19.9	21.3	95.5	163.6	111.3	96.2	22.0	32.3
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°	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9
2.5°	2414.2	2395.7	2333.8	2272.7	2210.1	2153.8	2115.3	2052.8	2037.0	2014.3	2001.2
5°	2409.4	2366.1	2247.2	2117.4	1996.4	1865.8	1766.2	1670.0	1618.4	1592.3	1582.7
7.5°	2395.7	2327.0	2141.4	1938.0	1744.2	1549.0	1379.3	1250.1	1166.9	1109.9	1071.4
10°	2368.2	2273.4	2018.4	1738.7	1445.9	1188.2	973.1	809.6	683.1	643.2	644.6
12.5°	2340.0	2213.6	1881.0	1517.4	1154.5	829.5	601.3	472.1	411.7	391.7	387.6
15°	2313.9	2156.5	1746.3	1303.0	859.7	537.4	387.6	342.2	325.7	322.3	321.6
17.5°	2300.2	2103.6	1602.6	1057.6	600.0	364.9	310.6	298.3	293.4	290.0	288.6
20°	2288.5	2057.6	1465.2	828.1	410.3	298.9	278.3	266.6	258.4	255.0	252.9
22.5°	2280.2	2010.2	1322.9	641.2	314.1	265.3	246.7	231.6	219.9	215.8	213.0
25°	2267.9	1957.9	1179.3	468.7	264.6	235.7	214.4	196.5	181.4	173.9	172.5
27.5°	2250.0	1898.8	1021.9	347.1	236.4	209.6	183.5	161.5	146.4	138.1	138.8
30°	2221.1	1837.0	864.5	275.6	213.7	182.8	154.6	133.3	118.9	112.7	112.0
32.5°	2186.8	1762.1	720.2	236.4	193.1	158.8	129.2	110.6	99.6	94.8	94.2
35°	2154.5	1686.5	573.2	212.4	171.8	136.8	108.6	92.8	84.5	80.4	81.1
37.5°	2136.6	1619.1	446.7	193.1	154.6	117.5	93.5	79.7	72.2	68.7	68.0
40°	2148.3	1564.1	355.3	175.9	135.4	101.0	80.4	68.7	61.2	56.4	56.4
42.5°	2203.3	1540.1	286.6	159.4	117.5	87.3	70.1	59.1	50.9	46.0	46.7
45°	2370.9	1565.5	239.8	144.3	101.0	75.6	60.5	48.8	41.2	37.8	37.1
47.5°	2649.3	1661.0	207.5	128.5	86.6	64.6	50.9	40.5	33.0	30.2	29.6
50°	3135.8	1858.3	183.5	112.7	73.5	55.0	41.9	32.3	26.1	23.4	23.4
52.5°	3805.2	2288.5	166.3	94.8	61.9	46.7	34.4	26.1	20.6	18.6	17.9
55°	4504.8	2742.1	157.4	79.7	51.5	38.5	27.5	20.6	15.8	13.7	13.1
57.5°	5177.6	3098.0	147.1	64.6	41.2	29.6	21.3	15.8	11.0	9.6	8.9
60°	5822.9	3386.0	125.1	51.5	32.3	21.3	15.8	11.0	7.6	6.2	6.2
62.5°	6400.2	3553.7	98.3	41.2	24.7	15.1	10.3	8.2	5.5	4.1	4.1
65°	6467.5	3335.8	74.2	31.6	17.9	9.6	6.2	6.2	4.1	2.7	2.7
66°	6332.1	3151.0	65.3	28.9	15.8	8.2	5.5	4.8	3.4	2.1	2.1
67.5°	6029.8	2835.5	56.4	24.7	13.1	6.2	4.1	4.1	2.7	1.4	1.4
70°	5209.9	2316.0	44.7	18.6	9.6	4.8	2.7	2.7	2.1	1.4	1.4
72.5°	3970.8	1729.1	36.4	13.7	6.9	3.4	2.1	2.1	2.1	1.4	1.4
75°	2395.0	931.2	28.2	10.3	6.2	2.7	1.4	2.1	2.7	2.1	1.4
77.5°	882.4	316.8	22.0	8.2	4.8	2.7	1.4	1.4	2.7	2.1	2.1
80°	216.5	82.5	15.8	6.9	4.8	2.7	1.4	1.4	2.7	2.7	2.7
82.5°	100.3	35.0	11.0	6.2	4.8	2.7	1.4	1.4	2.1	2.7	2.7
85°	57.7	16.5	8.9	6.9	4.8	2.7	1.4	1.4	2.1	2.7	2.7
87.5°	23.4	8.2	8.2	6.9	5.5	3.4	1.4	1.4	1.4	2.1	2.1
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)