

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: P452781

Luminaire Tested: **GLAN-SA3D-730-U-SL4-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17300 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 184
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



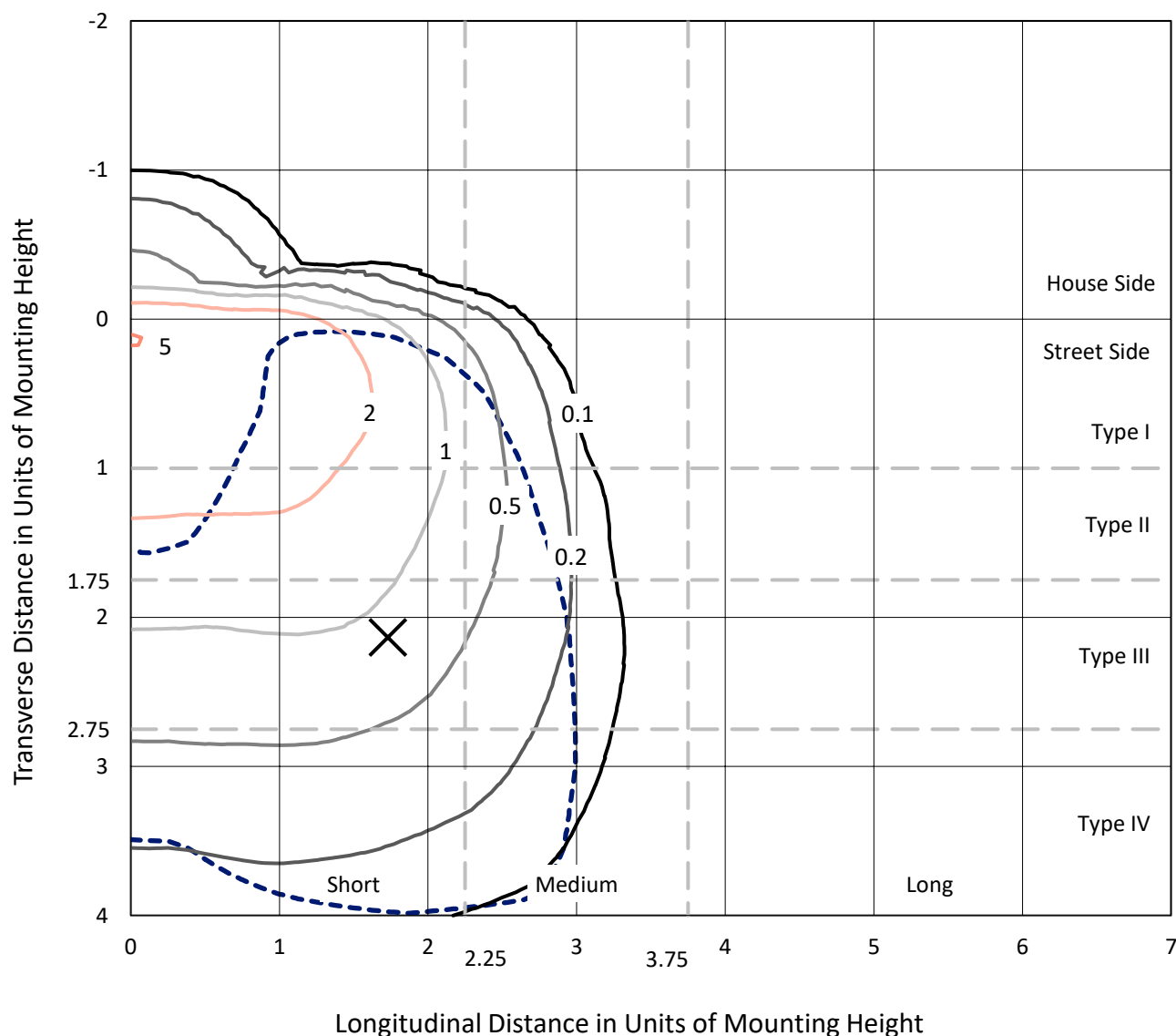
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



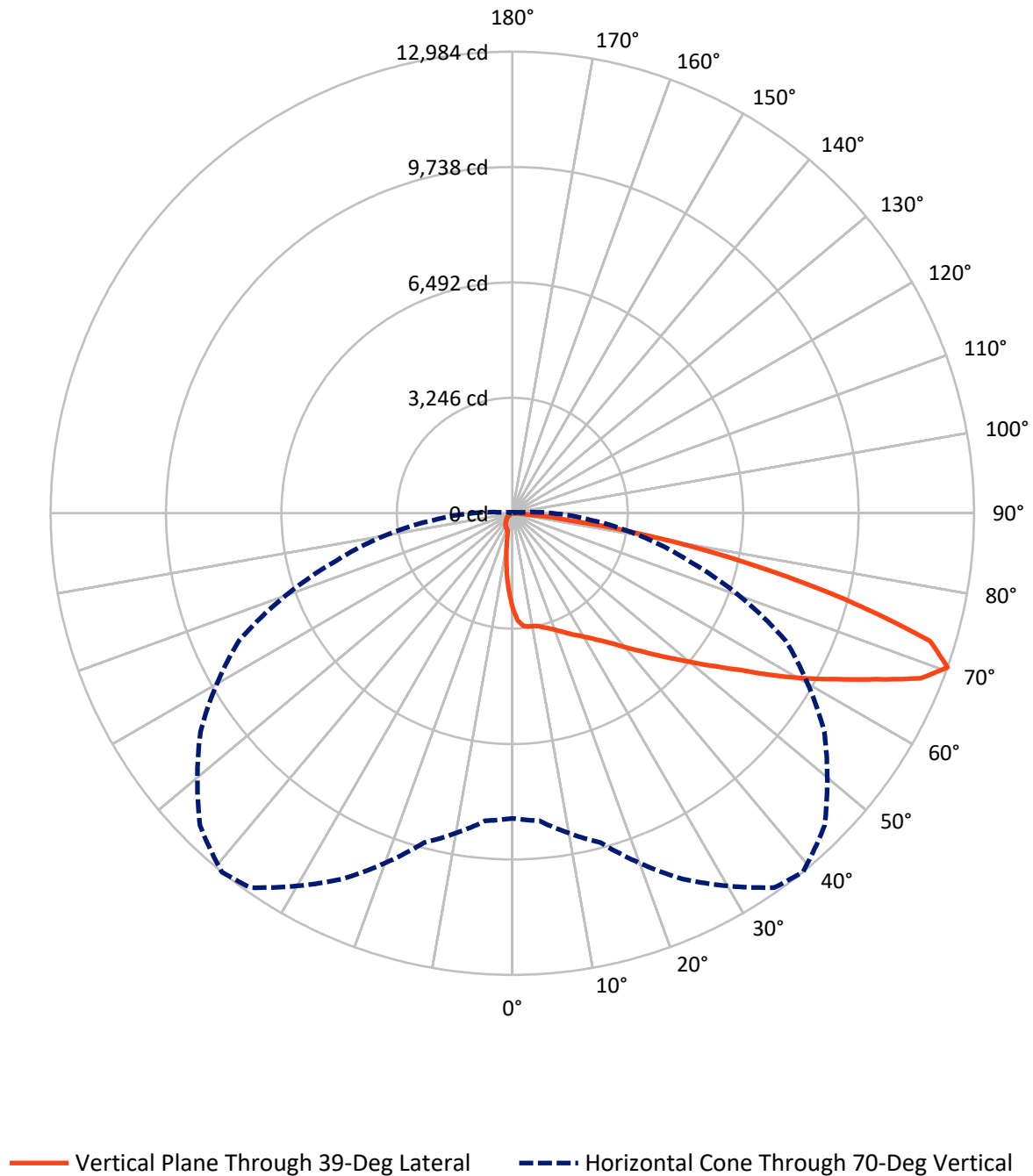
Based on 25 foot mounting height. Maximum calculated value = 5.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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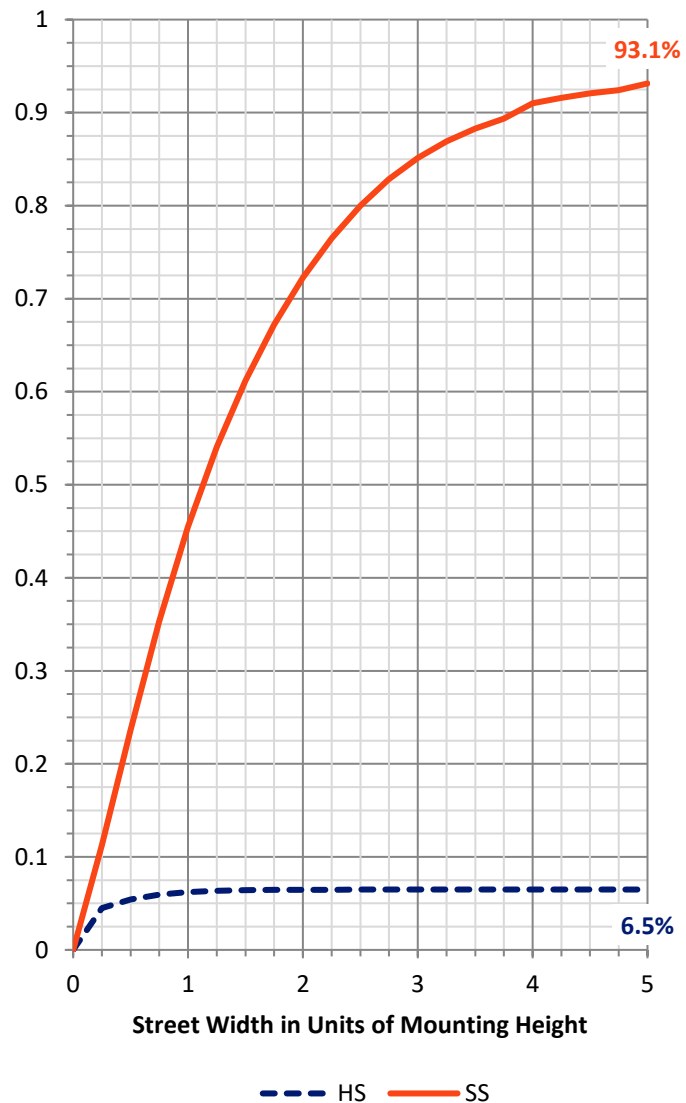
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1128.1	0.0	1128.1
	% Fixture	6.5	0.0	6.5
Street Side	Lumens	16172.0	0.0	16172.0
	% Fixture	93.5	0.0	93.5
Total	Lumens	17300.0	0.0	17300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.2	1.3
10°-20°	598.3	3.5
20°-30°	1002.4	5.8
30°-40°	1554.5	9.0
40°-50°	2463.5	14.2
50°-60°	3611.1	20.9
60°-70°	4628.5	26.8
70°-80°	2908.4	16.8
80°-90°	303.0	1.8
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°	17300.0	100.0
0°-180°	17300.0	100.0

Coefficient of Utilization



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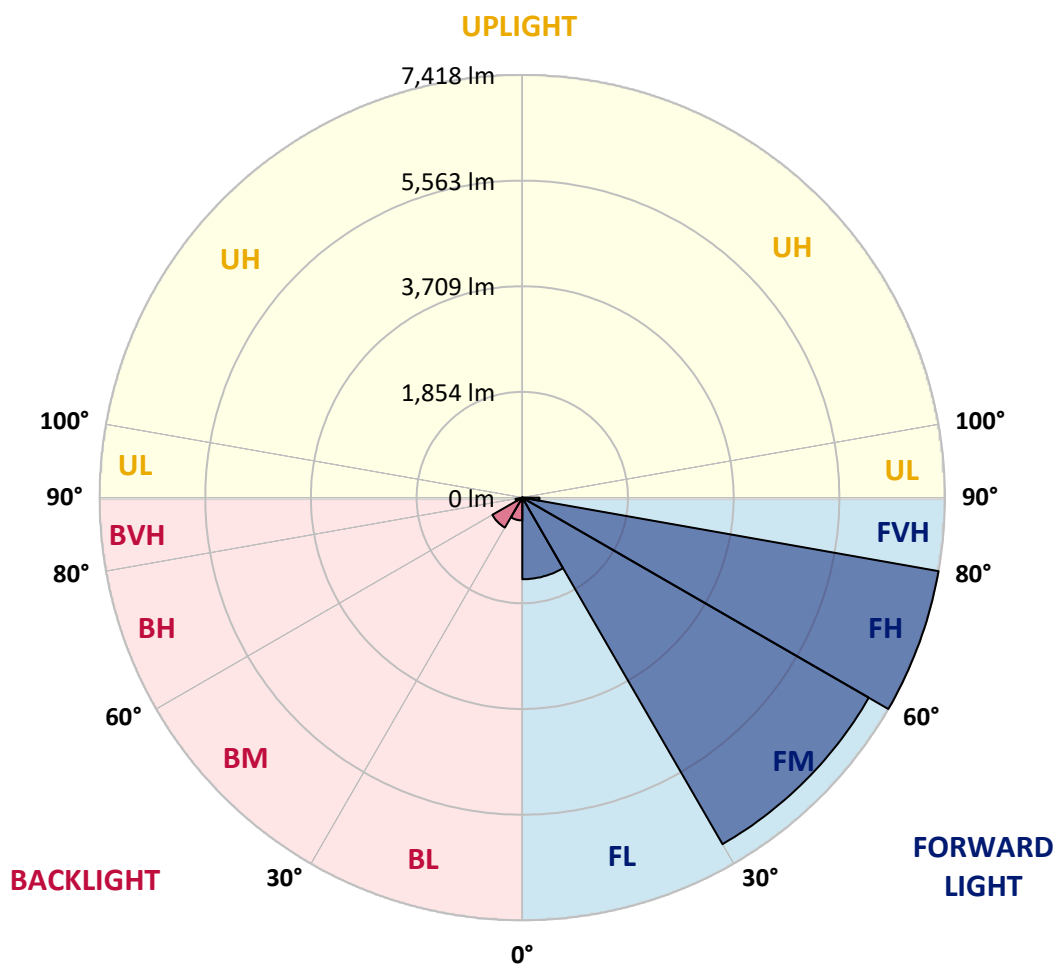
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1431.5	8.3			
FM	(30°-60°)	7022.0	40.6			
FH	(60°-80°)	7417.7	42.9			G3/7500
FVH	(80°-90°)	300.8	1.7			G3/500
BL	(0°-30°)	399.4	2.3	B1/500		
BM	(30°-60°)	607.1	3.5	B1/1000		
BH	(60°-80°)	119.3	0.7	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4
2.5°	3119.1	3108.6	3094.7	3078.4	3031.9	3023.7	2995.8	2936.5	2865.6	2807.5	2727.3
5°	3266.7	3272.5	3262.1	3233.0	3199.3	3179.5	3144.6	3052.8	2961.0	2843.5	2712.2
7.5°	3300.4	3312.0	3299.3	3271.4	3238.8	3217.9	3190.0	3110.9	3004.0	2870.3	2690.1
10°	3296.9	3310.9	3302.7	3277.2	3250.4	3230.7	3200.4	3137.7	3051.6	2911.0	2697.1
12.5°	3291.1	3309.7	3308.6	3295.8	3273.7	3258.6	3240.0	3184.2	3104.0	2970.3	2735.4
15°	3274.8	3298.1	3319.0	3329.5	3330.6	3330.6	3307.4	3248.1	3171.4	3048.2	2785.4
17.5°	3281.8	3308.6	3360.9	3391.1	3412.0	3409.7	3385.3	3321.3	3236.5	3128.4	2837.7
20°	3324.8	3360.9	3434.1	3494.6	3515.5	3508.5	3476.0	3401.6	3305.1	3197.0	2888.9
22.5°	3430.6	3463.2	3555.0	3625.9	3641.0	3622.4	3575.9	3474.8	3387.6	3271.4	2950.5
25°	3588.7	3627.1	3712.0	3765.4	3765.4	3755.0	3689.9	3571.3	3480.6	3374.8	3030.7
27.5°	3780.5	3813.1	3896.8	3944.5	3916.6	3886.3	3821.2	3678.2	3591.1	3505.0	3127.2
30°	3974.7	3995.6	4084.0	4104.9	4075.8	4037.5	3967.7	3824.7	3748.0	3681.7	3266.7
32.5°	4158.4	4203.7	4276.9	4272.3	4232.8	4214.2	4150.2	3997.9	3954.9	3948.0	3462.0
35°	4342.0	4376.9	4442.0	4458.3	4423.4	4419.9	4373.4	4260.7	4261.8	4307.2	3766.6
37.5°	4500.2	4531.5	4608.3	4644.3	4651.3	4668.7	4650.1	4575.7	4681.5	4805.9	4170.0
40°	4632.7	4676.9	4774.5	4837.3	4909.4	4973.3	4976.8	4993.1	5205.8	5419.7	4696.6
42.5°	4736.1	4797.8	4939.6	5055.8	5220.9	5302.3	5367.4	5456.9	5815.0	6134.7	5317.4
45°	4871.0	4941.9	5118.6	5301.1	5559.2	5692.9	5783.6	6023.1	6531.1	6967.0	5954.5
47.5°	5094.2	5131.4	5311.6	5577.8	5917.3	6107.9	6284.6	6647.3	7299.5	7690.1	6484.6
50°	5381.3	5405.8	5541.8	5911.5	6350.9	6602.0	6924.0	7350.7	8097.0	8290.0	6784.5
52.5°	5698.7	5706.9	5809.2	6278.8	6836.8	7153.0	7513.4	8040.1	8746.9	8717.8	6983.3
55°	6067.2	6055.6	6142.8	6677.6	7412.3	7773.8	8193.5	8745.7	9310.7	9021.2	7097.2
57.5°	6489.2	6457.9	6542.7	7206.5	8149.3	8581.8	9008.4	9354.9	9747.8	9275.8	7151.9
60°	6931.0	6868.2	6969.4	7800.6	9017.7	9428.1	9782.7	9875.7	10208.2	9478.1	7057.7
62.5°	7283.2	7284.4	7472.7	8433.0	9910.6	10269.8	10458.1	10541.8	10604.6	9433.9	6562.5
65°	7833.1	7851.7	8152.8	9310.7	10944.1	11255.6	11384.7	11112.6	10622.0	8885.2	5818.5
67.5°	8400.4	8459.7	9010.8	10519.7	12138.0	12389.1	12222.8	11223.1	10147.7	7633.2	4411.8
70°	8585.3	8682.9	9590.9	11352.1	12854.1	12984.3	12421.6	10708.1	8483.0	5103.5	2220.4
72.5°	7866.8	8024.9	9257.2	11048.7	12397.2	12284.4	11113.8	8980.5	5393.0	1937.9	677.8
75°	5547.6	5617.3	7693.6	9165.4	9971.0	9651.3	8453.9	5789.4	2218.1	544.1	232.5
77.5°	2864.5	2830.8	4575.7	6081.2	7111.2	6779.9	5536.0	2997.0	840.5	226.7	144.2
80°	1481.1	1505.5	1979.8	3186.5	4340.9	3994.5	2951.7	1389.2	447.6	125.6	110.4
82.5°	830.0	778.9	1138.1	1391.5	2029.8	1591.5	1132.3	983.5	195.3	75.6	104.6
85°	151.1	158.1	624.3	752.2	704.5	447.6	365.0	656.8	57.0	41.9	73.2
87.5°	2.3	2.3	120.9	216.2	137.2	62.8	115.1	94.2	11.6	16.3	12.8
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°	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4	2699.4
2.5°	2686.6	2642.4	2559.9	2478.5	2375.0	2290.2	2233.2	2173.9	2113.5	2118.1	2132.1
5°	2640.1	2563.4	2400.6	2228.6	2063.5	1914.7	1768.2	1636.8	1583.4	1534.5	1536.9
7.5°	2593.6	2485.5	2247.2	1977.5	1727.5	1474.1	1290.4	1139.3	1059.1	998.6	981.2
10°	2572.7	2429.7	2106.5	1735.7	1381.1	1104.4	868.4	745.2	649.9	619.6	627.8
12.5°	2582.0	2401.8	1979.8	1517.1	1095.1	769.6	604.5	541.7	520.8	517.3	515.0
15°	2599.4	2382.0	1855.4	1275.3	804.5	572.0	508.0	496.4	494.1	491.7	492.9
17.5°	2622.7	2364.6	1722.9	1048.6	617.3	499.9	481.3	475.5	474.3	474.3	474.3
20°	2645.9	2344.8	1575.2	846.3	515.0	472.0	460.4	456.9	455.7	455.7	454.5
22.5°	2672.7	2327.4	1425.3	665.0	474.3	452.2	441.8	439.4	438.3	437.1	437.1
25°	2711.0	2305.3	1266.0	544.1	448.7	433.6	423.2	420.8	419.7	415.0	416.2
27.5°	2762.2	2289.0	1102.1	469.7	425.5	410.4	403.4	399.9	397.6	394.1	395.3
30°	2831.9	2275.1	927.7	429.0	398.7	386.0	379.0	376.7	374.3	370.8	370.8
32.5°	2952.8	2280.9	744.0	396.4	374.3	359.2	352.2	349.9	347.6	344.1	344.1
35°	3134.2	2314.6	595.2	368.5	345.3	330.2	323.2	323.2	319.7	315.0	313.9
37.5°	3430.6	2400.6	477.8	341.8	317.4	303.4	295.3	293.0	289.5	282.5	281.3
40°	3780.5	2534.3	402.2	315.0	291.8	277.8	270.9	263.9	254.6	247.6	246.5
42.5°	4220.0	2671.5	348.8	288.3	267.4	254.6	246.5	234.8	220.9	211.6	210.4
45°	4678.0	2797.0	312.7	263.9	244.1	233.7	224.4	205.8	188.3	176.7	175.5
47.5°	5019.8	2820.3	283.7	240.6	224.4	213.9	201.1	177.9	154.6	144.2	140.7
50°	5181.4	2707.5	253.4	217.4	204.6	193.0	176.7	150.0	124.4	111.6	109.3
52.5°	5238.4	2512.2	229.0	196.5	184.8	170.9	151.1	120.9	97.7	84.9	83.7
55°	5215.1	2265.8	206.9	176.7	161.6	145.3	125.6	96.5	72.1	61.6	59.3
57.5°	5093.0	1951.9	184.8	156.9	138.3	122.1	100.0	72.1	48.8	39.5	38.4
60°	4764.0	1524.1	162.8	134.9	117.4	100.0	79.1	51.2	30.2	22.1	22.1
62.5°	4208.4	1131.1	141.8	112.8	98.8	80.2	55.8	32.6	16.3	11.6	10.5
65°	3516.7	834.7	118.6	95.3	82.5	62.8	39.5	19.8	8.1	3.5	2.3
67.5°	2454.1	515.0	98.8	77.9	67.4	45.3	24.4	8.1	3.5	0.0	0.0
70°	1114.9	245.3	75.6	59.3	51.2	32.6	12.8	4.7	2.3	0.0	0.0
72.5°	346.4	129.0	53.5	43.0	34.9	20.9	7.0	3.5	2.3	0.0	0.0
75°	160.4	82.5	33.7	23.3	19.8	10.5	4.7	2.3	1.2	0.0	0.0
77.5°	119.7	63.9	19.8	12.8	10.5	7.0	3.5	2.3	1.2	0.0	0.0
80°	104.6	32.6	11.6	8.1	5.8	4.7	2.3	1.2	0.0	0.0	0.0
82.5°	94.2	16.3	7.0	4.7	3.5	2.3	1.2	1.2	0.0	0.0	0.0
85°	51.2	9.3	4.7	3.5	2.3	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	9.3	4.7	3.5	2.3	2.3	1.2	1.2	1.2	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)