

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: P452793

Luminaire Tested: **GLAN-SA3D-730-U-T3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20856 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 184
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: 24 FT



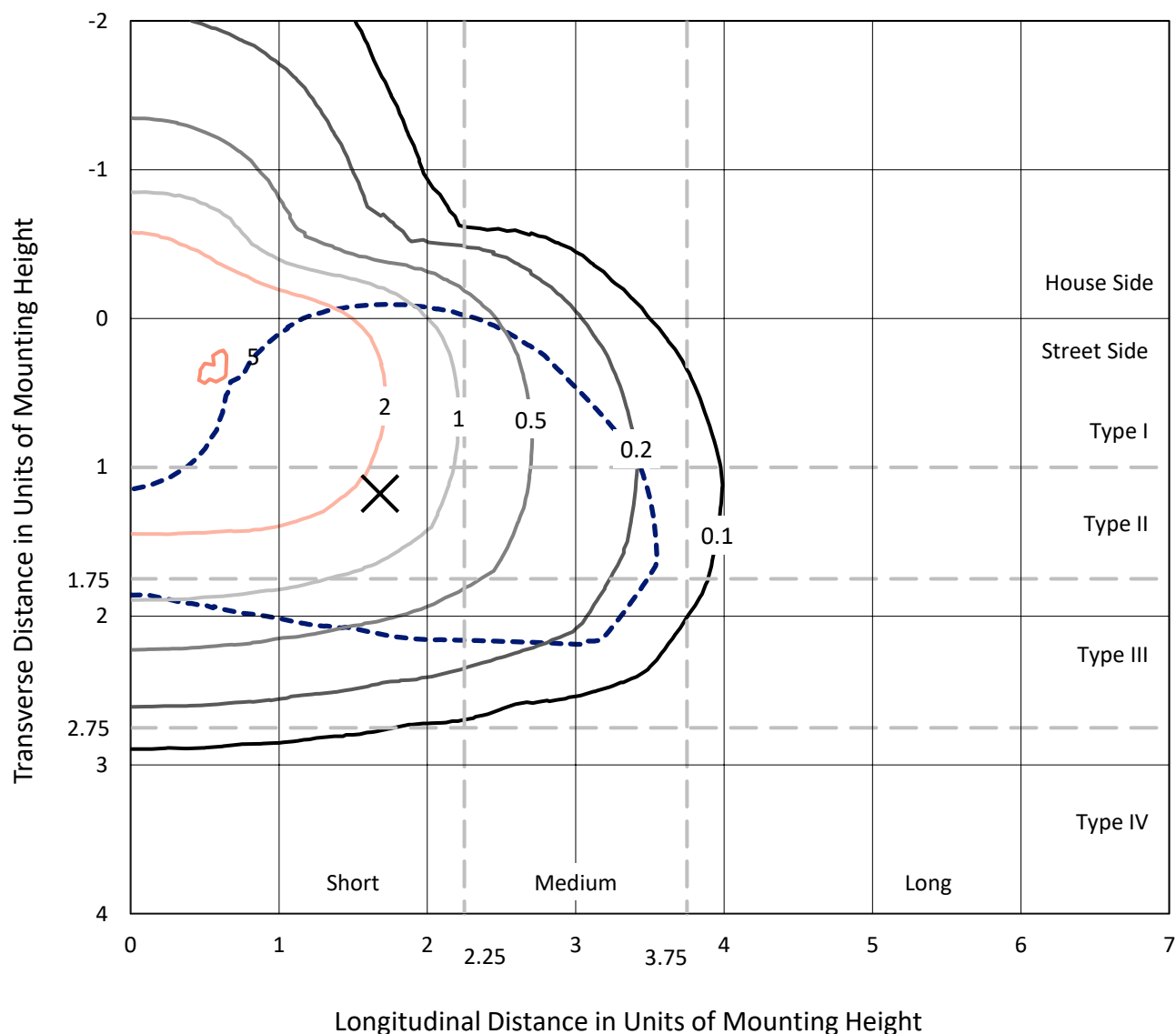
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

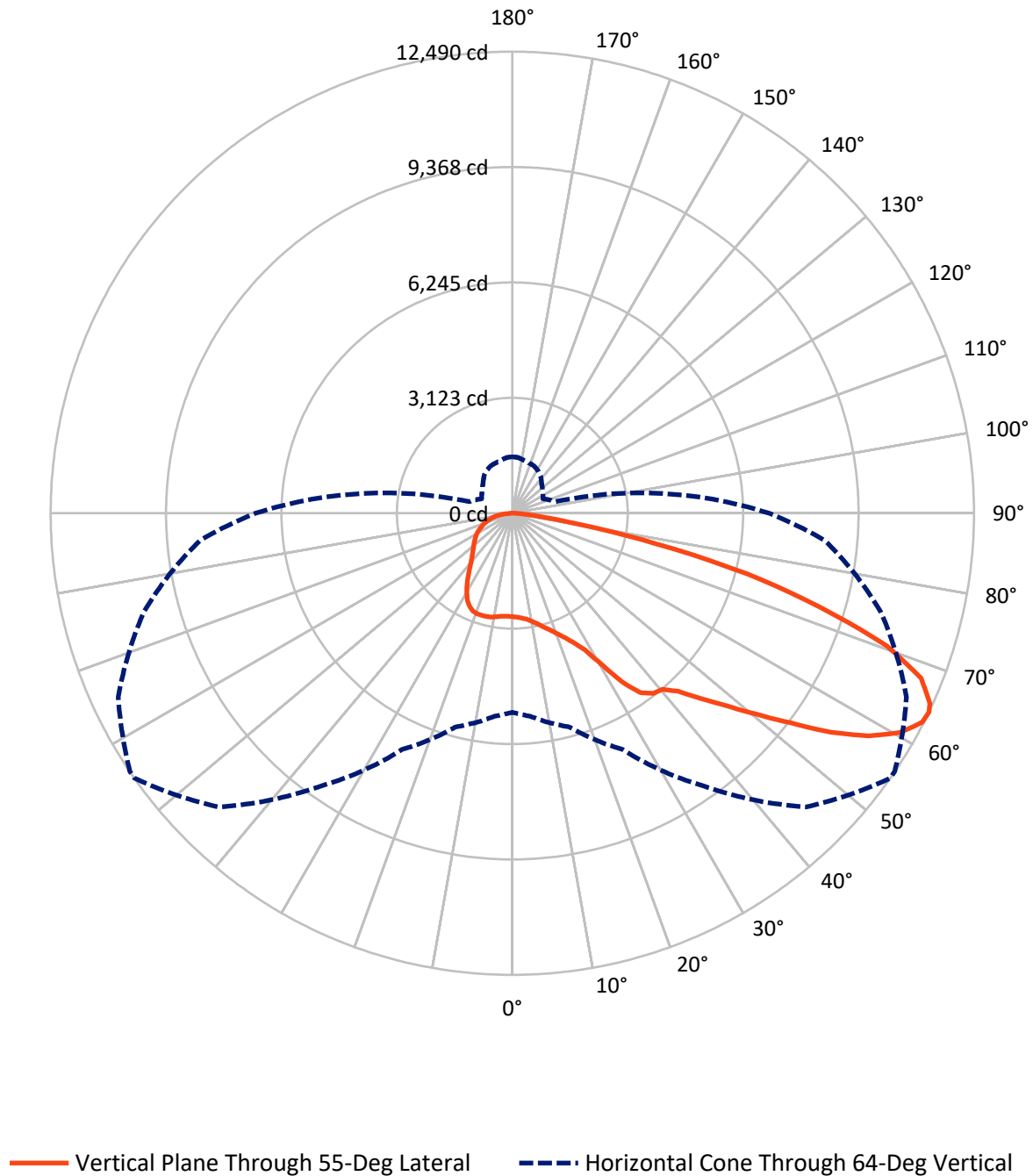


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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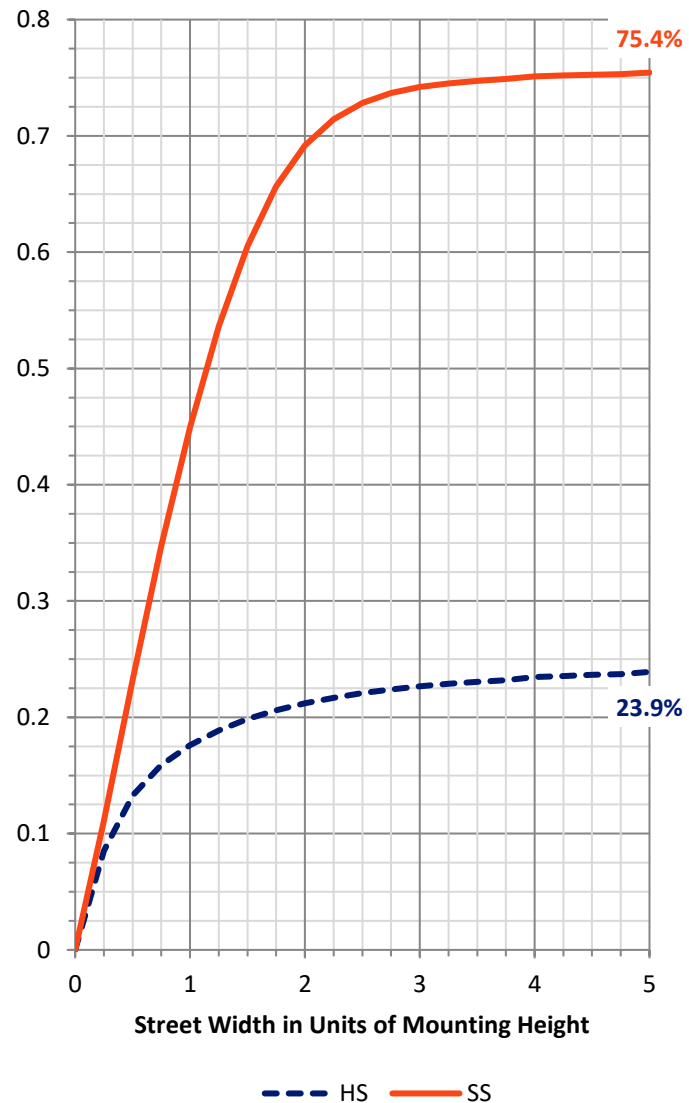
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5066.3	0.0	5066.3
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	15789.7	0.0	15789.7
	% Fixture	75.7	0.0	75.7
Total	Lumens	20856.0	0.0	20856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.2	1.3
10°-20°	858.9	4.1
20°-30°	1529.0	7.3
30°-40°	2352.5	11.3
40°-50°	3334.9	16.0
50°-60°	4827.2	23.1
60°-70°	4995.6	24.0
70°-80°	2339.4	11.2
80°-90°	346.3	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°	20856.0	100.0
0°-180°	20856.0	100.0

Coefficient of Utilization



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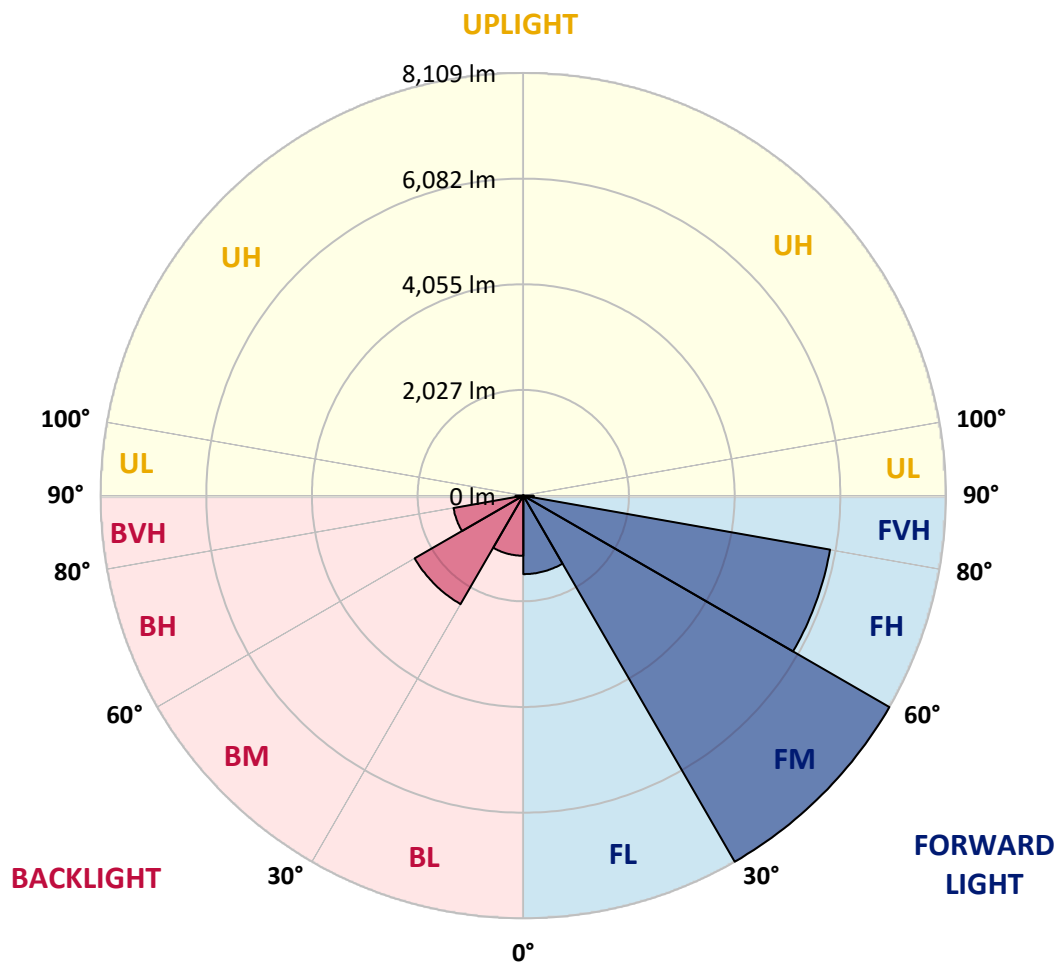
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1506.1	7.2			
FM	(30°-60°)	8109.4	38.9			
FH	(60°-80°)	5975.9	28.7			G3/7500
FVH	(80°-90°)	198.3	1.0			G2/225
BL	(0°-30°)	1153.9	5.5	B3/2500		
BM	(30°-60°)	2405.2	11.5	B2/2500		
BH	(60°-80°)	1359.2	6.5	B3/2500		G3/2500
BVH	(80°-90°)	148.0	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2
2.5°	2829.6	2828.5	2832.0	2828.5	2830.8	2822.7	2819.2	2821.5	2818.0	2812.2	2801.7
5°	2864.5	2863.3	2864.5	2859.9	2862.2	2857.5	2849.4	2851.7	2845.9	2833.1	2818.0
7.5°	2923.8	2919.2	2919.2	2918.0	2913.3	2906.4	2900.5	2898.2	2892.4	2876.1	2852.9
10°	3000.5	3000.5	3001.7	2992.4	2998.2	2985.4	2979.6	2978.4	2958.7	2937.8	2905.2
12.5°	3101.7	3107.5	3104.0	3099.3	3097.0	3092.4	3072.6	3077.3	3055.2	3019.1	2979.6
15°	3227.2	3236.5	3230.7	3228.4	3222.6	3205.1	3197.0	3193.5	3164.4	3112.1	3059.8
17.5°	3393.5	3381.8	3377.2	3371.4	3347.0	3334.2	3320.2	3317.9	3292.3	3230.7	3149.3
20°	3538.8	3555.1	3545.8	3539.9	3515.5	3491.1	3480.7	3477.2	3455.1	3387.7	3257.5
22.5°	3712.0	3715.5	3719.0	3705.0	3693.4	3674.8	3656.2	3650.4	3642.3	3572.5	3413.2
25°	3896.9	3910.8	3899.2	3885.2	3871.3	3870.1	3887.6	3885.2	3881.7	3814.3	3620.2
27.5°	4197.9	4210.7	4214.2	4199.1	4145.6	4150.3	4189.8	4202.6	4256.1	4144.5	3886.4
30°	4367.7	4380.5	4409.5	4466.5	4551.4	4625.8	4721.1	4750.2	4801.3	4590.9	4202.6
32.5°	4472.3	4477.0	4529.3	4635.1	4889.7	5167.5	5426.8	5437.2	5469.8	5174.5	4492.1
35°	4637.4	4640.9	4682.7	4799.0	5097.8	5560.5	5961.5	5974.3	5947.6	5355.8	4626.9
37.5°	4840.8	4850.1	4876.9	4973.4	5330.3	5889.5	6183.6	6174.3	5937.1	5500.0	4865.3
40°	5137.3	5137.3	5105.9	5236.1	5575.6	6077.8	6261.5	6245.2	6182.4	5917.4	5228.0
42.5°	5398.9	5394.2	5468.6	5557.0	5882.5	6368.4	6588.1	6614.9	6718.3	6441.7	5640.7
45°	5739.5	5760.4	5802.3	5962.7	6404.5	6864.8	7148.5	7174.1	7320.5	7059.0	6123.1
47.5°	6083.6	6090.6	6221.9	6435.8	7050.8	7537.9	7770.5	7812.3	7946.0	7780.9	6642.8
50°	6327.7	6394.0	6604.4	6941.6	7717.0	8358.7	8540.1	8590.0	8826.0	8566.8	7248.5
52.5°	6585.8	6650.9	6907.8	7421.7	8481.9	9198.1	9421.3	9455.0	9700.3	9362.0	7868.1
55°	6806.7	6867.2	7159.0	7847.2	9091.1	10054.9	10459.4	10419.9	10537.3	9974.6	8345.9
57.5°	6842.7	6891.6	7258.9	8119.2	9549.1	10789.6	11369.7	11392.9	11256.9	10432.7	8740.0
60°	6563.7	6663.7	7085.7	8090.2	9754.9	11301.1	12048.6	12064.9	11678.9	10667.5	8897.0
62.5°	6069.6	6059.2	6569.5	7622.8	9466.6	11417.4	12448.5	12431.1	11844.0	10554.7	8744.7
64°	5387.2	5512.8	5989.4	7048.5	9001.6	11238.3	12490.4	12481.1	11765.0	10319.9	8485.4
65°	4971.0	4964.1	5434.9	6578.8	8538.9	10968.6	12416.0	12403.2	11599.9	10109.5	8284.3
67.5°	3588.8	3605.1	4070.1	5076.8	6941.6	9914.2	11931.2	11883.5	10948.8	9412.0	7519.3
70°	2174.0	2183.3	2548.3	3367.9	4982.7	8014.6	10754.7	10757.0	9952.5	8370.3	6399.8
72.5°	1145.1	1169.5	1316.0	1912.4	3026.1	5623.2	8724.9	8931.8	8544.7	7143.8	5055.9
75°	637.1	640.6	744.0	942.8	1543.9	3147.0	6557.9	6617.2	6764.8	5749.9	3738.7
77.5°	485.9	492.9	525.5	609.2	840.5	1459.0	3968.9	4266.5	4767.6	4053.8	2133.3
80°	394.1	401.1	429.0	479.0	559.2	691.7	1843.8	2004.2	2551.8	1799.6	832.4
82.5°	306.9	302.3	338.3	370.9	406.9	409.2	756.8	837.0	1039.3	774.3	360.4
85°	227.9	227.9	256.9	249.9	262.7	239.5	333.7	368.5	416.2	329.0	167.4
87.5°	90.7	100.0	168.6	151.1	117.4	94.2	123.2	130.2	144.2	129.0	69.8
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°	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2	2798.2
2.5°	2802.9	2806.4	2798.2	2792.4	2790.1	2786.6	2783.1	2784.3	2788.9	2793.6	2792.4
5°	2816.8	2818.0	2804.1	2797.1	2792.4	2787.8	2787.8	2791.3	2800.6	2807.5	2807.5
7.5°	2851.7	2851.7	2832.0	2819.2	2812.2	2804.1	2801.7	2802.9	2809.9	2819.2	2820.3
10°	2906.4	2901.7	2876.1	2856.4	2843.6	2823.8	2806.4	2797.1	2800.6	2806.4	2806.4
12.5°	2972.6	2959.8	2927.3	2900.5	2869.2	2832.0	2795.9	2777.3	2776.2	2782.0	2779.6
15°	3043.5	3029.6	2984.3	2935.4	2880.8	2826.1	2783.1	2756.4	2735.5	2729.7	2742.4
17.5°	3126.1	3097.0	3034.2	2966.8	2885.4	2814.5	2747.1	2692.5	2655.3	2644.8	2648.3
20°	3226.1	3187.7	3102.8	2997.0	2881.9	2772.7	2668.0	2594.8	2534.3	2515.7	2518.1
22.5°	3364.4	3298.1	3173.7	3012.2	2852.9	2693.6	2548.3	2453.0	2379.7	2350.7	2368.1
25°	3521.3	3449.3	3241.2	3008.7	2777.3	2566.9	2406.5	2282.1	2215.8	2172.8	2182.1
27.5°	3737.6	3609.7	3313.3	2977.3	2669.2	2412.3	2226.3	2108.9	2048.4	2026.3	2036.8
30°	4014.3	3817.8	3391.1	2892.4	2498.3	2217.0	2044.9	1968.2	1932.1	1904.2	1913.5
32.5°	4214.2	3964.3	3408.6	2749.4	2313.5	2039.1	1921.7	1864.7	1825.2	1798.5	1804.3
35°	4357.2	4088.7	3400.4	2573.9	2120.5	1892.6	1824.0	1777.5	1713.6	1655.5	1645.0
37.5°	4549.0	4244.5	3341.2	2382.1	1929.8	1793.8	1745.0	1659.0	1567.1	1489.2	1485.7
40°	4843.2	4427.0	3214.4	2156.5	1767.1	1720.6	1661.3	1549.7	1450.9	1388.1	1383.4
42.5°	5146.6	4595.5	3042.4	1919.4	1633.4	1643.8	1571.8	1461.3	1400.9	1360.2	1355.5
45°	5517.4	4778.1	2856.4	1713.6	1534.6	1571.8	1493.9	1429.9	1393.9	1367.2	1360.2
47.5°	5918.5	4965.2	2647.1	1528.7	1450.9	1505.5	1461.3	1432.3	1412.5	1393.9	1385.8
50°	6351.0	5174.5	2450.6	1379.9	1375.3	1436.9	1457.8	1447.4	1435.7	1429.9	1423.0
52.5°	6825.3	5388.4	2285.6	1275.3	1309.0	1388.1	1459.0	1467.1	1467.1	1463.6	1459.0
55°	7146.2	5537.2	2118.2	1190.4	1241.6	1348.6	1456.7	1488.1	1499.7	1495.0	1490.4
57.5°	7383.3	5618.6	1907.7	1117.2	1184.6	1310.2	1443.9	1490.4	1502.0	1507.8	1505.5
60°	7432.1	5543.0	1632.2	1040.5	1123.0	1254.4	1397.4	1455.5	1470.6	1506.7	1510.1
62.5°	7212.4	5310.5	1357.9	964.9	1047.5	1169.5	1334.6	1416.0	1446.2	1502.0	1507.8
64°	6942.7	5050.1	1205.6	917.2	998.6	1121.9	1303.2	1405.5	1445.0	1519.4	1524.1
65°	6745.1	4860.6	1110.2	887.0	967.2	1090.5	1285.8	1409.0	1455.5	1546.2	1553.2
67.5°	6017.3	4208.4	918.4	816.1	892.8	1037.0	1289.3	1438.1	1453.2	1556.6	1555.5
70°	4979.2	3350.5	769.6	751.0	820.8	994.0	1275.3	1391.6	1392.7	1461.3	1445.0
72.5°	3728.3	2476.2	667.3	683.6	740.5	891.7	1204.4	1328.8	1309.0	1318.3	1302.1
75°	2561.1	1638.0	574.3	611.5	656.8	788.2	1104.4	1206.7	1175.3	1163.7	1152.1
77.5°	1367.2	905.6	477.8	540.6	570.8	681.3	963.7	1062.6	1030.0	984.7	969.6
80°	553.4	426.7	384.8	447.6	465.0	548.7	802.2	863.8	839.4	760.3	734.7
82.5°	277.8	255.8	302.3	352.3	353.4	391.8	596.4	654.5	599.9	503.4	481.3
85°	145.3	150.0	208.1	247.6	218.6	211.6	358.1	396.4	363.9	316.2	284.8
87.5°	52.3	60.5	109.3	108.1	76.7	40.7	79.1	38.4	20.9	12.8	16.3
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)