

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: P531928

Luminaire Tested: **GLAN-SA7B-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26882 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 286
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

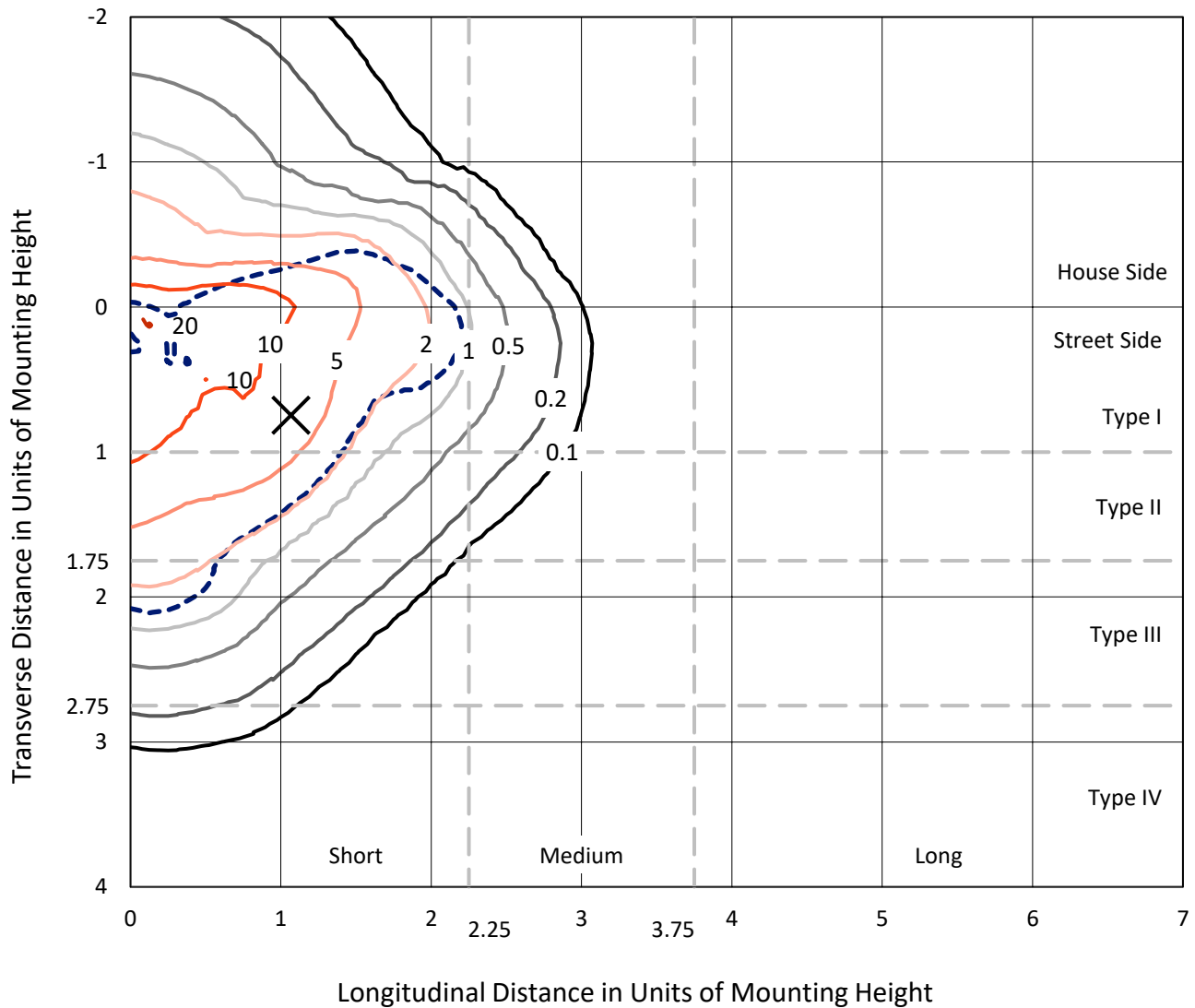


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

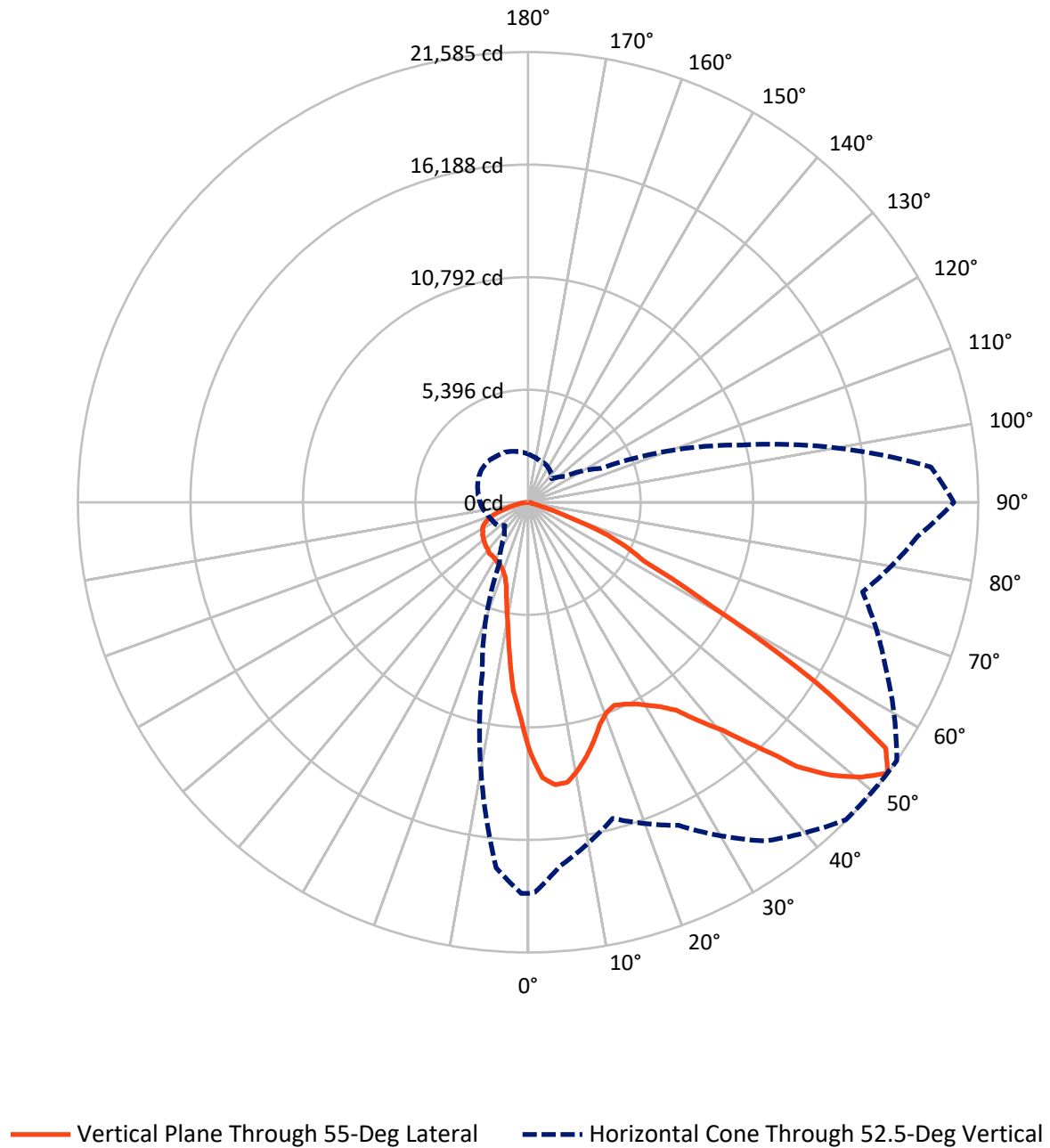


Based on 25 foot mounting height. Maximum calculated value = 20.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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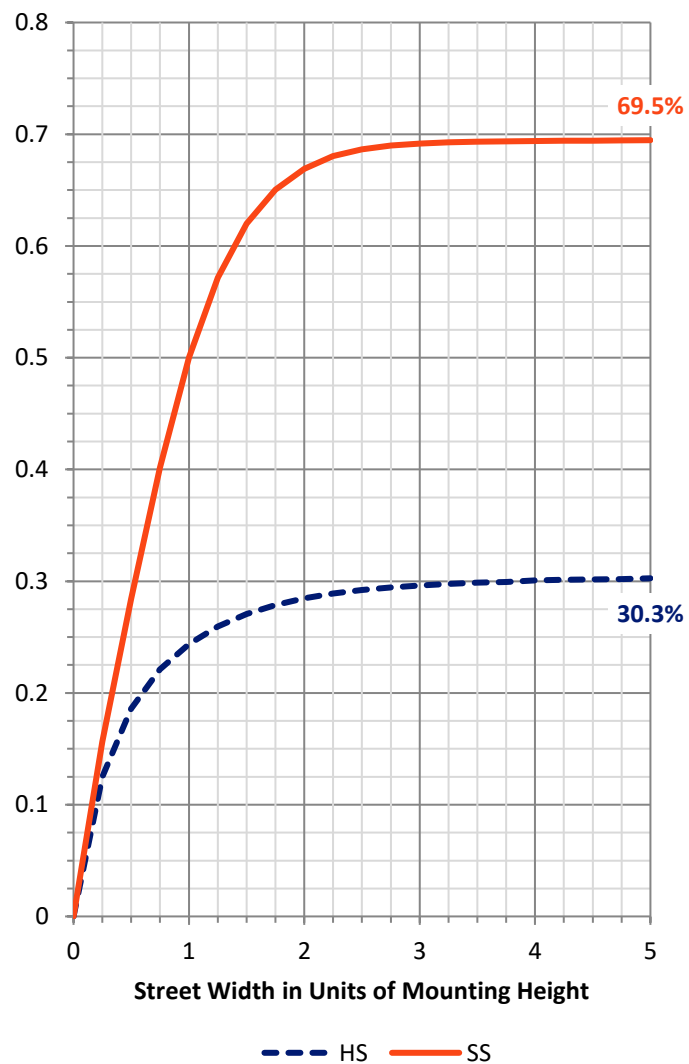
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8200.5	0.0	8200.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18681.5	0.0	18681.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	26882.0	0.0	26882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	916.1	3.4
10°-20°	1975.3	7.3
20°-30°	2995.2	11.1
30°-40°	4327.6	16.1
40°-50°	5782.8	21.5
50°-60°	6454.9	24.0
60°-70°	3540.8	13.2
70°-80°	765.5	2.8
80°-90°	123.8	0.5
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°	26882.0	100.0
0°-180°	26882.0	100.0

Coefficient of Utilization



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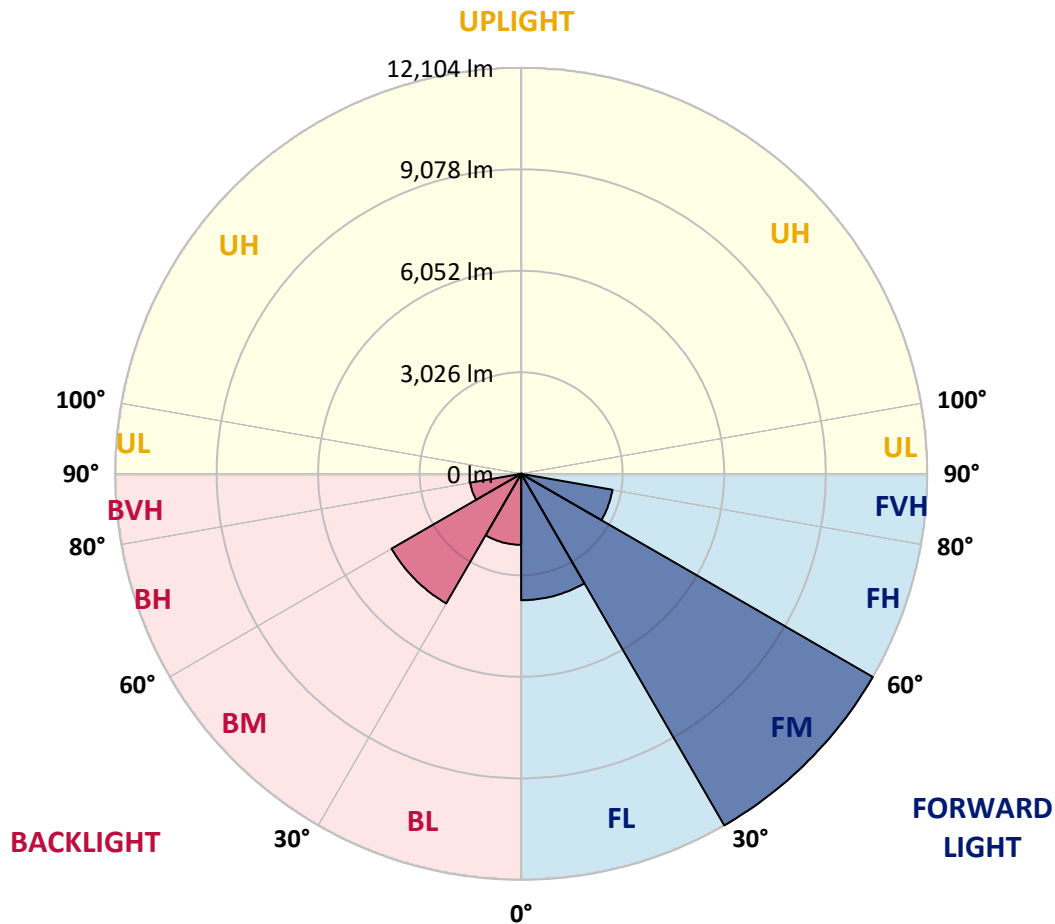
CATALOG NUMBER: GLAN-SA7B-730-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3769.3	14.0			
FM	(30°-60°)	12103.5	45.0			
FH	(60°-80°)	2762.8	10.3			G2/5000
FVH	(80°-90°)	45.9	0.2			G1/100
BL	(0°-30°)	2117.2	7.9	B3/2500		
BM	(30°-60°)	4461.7	16.6	B3/5000		
BH	(60°-80°)	1543.5	5.7	B3/2500		G3/2500
BVH	(80°-90°)	78.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5
2.5°	12584.2	12513.5	12576.3	12874.6	13047.3	13165.1	13239.7	13227.9	12945.3	12670.5	12670.5
5°	12215.2	12124.9	12254.4	12929.6	13608.6	13667.5	13765.6	13604.7	13188.6	12686.2	12058.2
7.5°	11147.5	11214.3	11430.1	12317.2	13200.4	13644.0	13761.7	13557.6	12882.5	11944.3	11021.9
10°	10225.1	10382.1	10880.6	11838.4	12650.9	13227.9	13357.4	13070.9	12537.1	11387.0	10562.7
12.5°	9907.2	9809.0	10362.5	11320.2	12097.4	12407.5	12466.4	12486.0	12124.9	11104.4	10099.5
15°	9867.9	9930.7	10362.5	11088.7	11567.5	11583.2	11681.4	11834.4	11881.5	11296.7	10315.4
17.5°	10433.2	10358.6	10802.1	11379.1	11151.5	10923.8	10947.4	11167.2	11555.8	11461.6	10994.5
20°	11269.2	11438.0	11787.3	11728.5	11116.1	10539.1	10543.1	10751.1	11516.5	12144.5	11940.4
22.5°	12658.7	12823.6	13082.7	12372.2	11116.1	10425.3	10291.8	10574.5	11767.7	12957.0	13008.1
25°	13926.6	14228.8	14299.5	13463.4	11673.5	10531.3	10444.9	10723.6	12018.9	13749.9	14232.7
27.5°	15080.6	15190.5	15500.6	14166.0	11983.6	10601.9	10594.1	10951.3	12336.9	14146.4	15327.9
30°	15991.2	15979.4	16156.1	14609.6	12478.2	10998.4	10617.6	11292.8	12752.9	14801.9	16340.6
32.5°	16611.4	16744.9	17117.7	15225.8	12686.2	11375.2	11076.9	11693.1	13259.3	15112.0	17054.9
35°	17702.6	17934.2	17463.2	15567.3	13345.6	11748.1	11398.7	12238.7	13510.5	15449.5	17930.3
37.5°	18731.0	18554.4	18075.5	15751.8	13773.5	12438.9	12113.1	13294.6	14291.6	16183.6	18511.2
40°	19390.4	19386.5	18534.7	15900.9	14075.7	13494.8	13475.2	14366.2	15249.4	16646.7	19162.8
42.5°	19677.0	19951.7	18723.2	15885.2	14711.6	14774.4	15170.9	15967.7	15928.4	16740.9	19147.1
44°	20069.5	20234.3	19048.9	15920.6	15135.5	15638.0	16572.1	17078.5	16521.1	16689.9	19127.4
45°	20053.8	20065.6	18585.8	15967.7	15496.6	16360.2	17196.3	18051.9	17043.2	16580.0	19386.5
47.5°	19594.5	19461.1	18193.2	15618.3	16623.2	18267.8	19041.1	19559.2	17686.9	16344.5	19064.6
50°	18687.8	18534.7	17239.4	15469.2	16858.7	19453.2	20520.9	20709.3	18271.8	16112.9	18746.7
52.5°	18750.6	18707.4	17510.3	15692.9	17094.2	19826.1	21537.5	21584.6	18935.1	16599.6	18750.6
55°	19873.2	19724.1	18287.5	15971.6	16921.5	19390.4	20889.9	20807.4	18711.4	16305.2	19096.0
57.5°	18185.4	18283.5	17212.0	14868.6	14809.7	15763.6	16423.0	16218.9	15614.4	14715.5	17765.4
60°	14672.4	14951.0	15053.1	12435.0	11175.0	10684.4	10488.1	10127.0	10229.0	12089.6	15606.6
62.5°	12584.2	12568.5	13208.3	11273.1	7320.5	6296.0	6201.8	6284.2	7461.8	11901.2	15284.7
65°	9977.8	10244.7	10441.0	9553.9	5793.6	4674.9	4671.0	5193.0	6456.9	9946.4	12340.8
67.5°	6335.3	6684.6	6928.0	6111.5	3874.2	3328.6	3238.3	3866.3	4474.7	6523.7	7430.4
70°	3571.9	3736.8	3846.7	3524.8	2465.0	1727.1	1625.0	1774.2	2704.5	4223.5	4404.1
72.5°	1377.7	1452.3	1601.5	1613.3	930.3	557.4	451.4	541.7	1138.3	1672.1	1593.6
75°	212.0	227.7	321.9	384.7	266.9	204.1	215.9	223.7	317.9	431.8	361.1
77.5°	102.1	102.1	98.1	113.8	133.5	145.2	157.0	172.7	188.4	208.0	200.2
80°	66.7	66.7	66.7	78.5	98.1	117.8	133.5	141.3	149.2	164.9	157.0
82.5°	43.2	43.2	43.2	58.9	78.5	98.1	106.0	125.6	141.3	164.9	153.1
85°	23.6	23.6	23.6	39.3	58.9	82.4	78.5	62.8	35.3	3.9	7.9
87.5°	7.9	7.9	7.9	7.9	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°	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5
2.5°	12340.8	12160.2	12144.5	11775.6	11445.9	11284.9	11155.4	10794.3	10872.8	10664.7	10660.8
5°	11744.2	11375.2	10778.6	10287.9	9797.3	9699.1	9271.3	8898.4	8910.2	8643.3	8690.4
7.5°	10672.6	10417.5	9691.3	8922.0	8270.4	7807.2	7402.9	7159.5	6849.5	6743.5	6688.5
10°	9993.5	9679.5	8863.1	7897.5	7167.4	6920.1	6531.5	6315.6	5997.7	5840.7	5730.8
12.5°	9695.2	9236.0	8215.4	7234.1	6747.4	6492.3	6162.5	5770.0	5393.2	5248.0	5047.8
15°	9726.6	9177.1	8027.0	6967.2	6382.4	5887.8	5593.4	5157.7	4773.0	4517.9	4372.7
17.5°	10201.6	9534.3	8113.4	6763.1	5923.1	5302.9	4725.9	4254.9	3948.7	3756.4	3709.3
20°	11324.2	10417.5	8258.6	6433.4	5463.9	4690.6	3980.1	3489.5	3254.0	3250.1	3254.0
22.5°	12258.4	11359.5	8553.0	6237.1	5004.6	3905.6	3199.0	3042.0	2994.9	3093.0	3104.8
25°	13518.3	12419.3	9059.3	6135.1	4580.7	3328.6	2892.9	2834.0	2830.1	2955.7	2959.6
27.5°	14809.7	13345.6	9361.6	5836.8	4148.9	3030.2	2708.4	2696.6	2759.4	2892.9	2881.1
30°	15689.0	14122.8	9907.2	5479.6	3638.6	2767.3	2633.8	2649.5	2735.9	2837.9	2853.6
32.5°	16713.5	14888.2	10048.5	5283.3	3324.6	2547.4	2453.2	2488.6	2598.5	2759.4	2845.8
35°	17887.1	15429.9	10264.4	5016.4	3206.9	2378.7	2331.6	2370.8	2504.3	2610.3	2704.5
37.5°	18754.6	16387.7	10303.6	4808.4	3077.3	2284.5	2209.9	2339.4	2417.9	2567.1	2614.2
40°	19398.3	17082.4	10405.7	4678.8	2975.3	2162.8	2162.8	2249.1	2355.1	2492.5	2586.7
42.5°	19810.4	17588.8	10480.3	4561.1	2779.0	2127.5	2107.8	2194.2	2335.5	2468.9	2512.1
44°	20061.6	17804.7	10405.7	4451.2	2724.1	2084.3	2084.3	2158.9	2268.8	2425.8	2476.8
45°	20124.4	18075.5	10240.8	4447.2	2657.4	2033.2	2025.4	2166.7	2241.3	2433.6	2465.0
47.5°	20367.8	18409.1	10260.4	4321.6	2496.4	1911.6	2048.9	2111.8	2178.5	2347.3	2453.2
50°	20360.0	18617.2	10217.3	4137.1	2378.7	1774.2	2001.8	2072.5	2139.2	2311.9	2355.1
52.5°	20414.9	19394.4	10613.7	3842.8	2166.7	1597.6	1844.8	2001.8	2084.3	2229.5	2319.8
55°	20387.4	19837.9	11006.2	3622.9	1868.4	1491.6	1711.4	1895.9	2013.6	2166.7	2209.9
57.5°	18621.1	17533.8	10185.9	3210.8	1546.5	1366.0	1523.0	1786.0	1935.1	2092.1	2147.1
60°	15214.0	13514.4	8399.9	2363.0	1271.8	1256.1	1417.0	1750.6	1813.4	1950.8	2045.0
62.5°	14060.0	11854.1	6661.0	1805.6	1087.3	1150.1	1307.1	1581.9	1680.0	1848.8	1935.1
65°	11002.3	7873.9	4125.4	1220.7	957.7	1032.3	1181.5	1385.6	1546.5	1703.5	1805.6
67.5°	6515.8	4302.0	2041.1	855.7	836.1	914.6	1067.7	1220.7	1405.2	1577.9	1629.0
70°	3548.4	2115.7	871.4	651.6	710.5	781.1	930.3	1036.2	1212.9	1346.3	1432.7
72.5°	1138.3	643.7	435.7	482.8	541.7	624.1	714.4	843.9	969.5	1048.0	1118.7
75°	274.8	270.8	310.1	337.6	392.5	455.3	529.9	596.6	694.8	769.3	832.1
77.5°	192.3	208.0	239.4	278.7	298.3	321.9	369.0	420.0	463.2	518.1	557.4
80°	149.2	160.9	184.5	204.1	223.7	243.4	266.9	286.5	314.0	349.3	369.0
82.5°	141.3	149.2	172.7	184.5	176.6	172.7	188.4	196.3	200.2	212.0	223.7
85°	11.8	0.0	7.9	27.5	66.7	98.1	106.0	106.0	102.1	109.9	109.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	15.7	11.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5
2.5°	10613.7	10480.3	10531.3	10594.1	10503.8	10295.8	10350.7	10327.2	10539.1	10523.4	10735.4
5°	8898.4	8690.4	8713.9	9020.1	8922.0	9027.9	8816.0	8788.5	8827.7	8847.4	8882.7
7.5°	6810.2	6782.7	7018.2	7277.3	7399.0	7273.4	7065.3	7018.2	6975.1	6888.7	7085.0
10°	5558.1	5565.9	5550.2	5746.5	5883.9	5856.4	5730.8	5715.1	5632.6	5601.2	5711.1
12.5°	4961.4	4855.5	4804.4	4741.6	4847.6	4918.3	4863.3	4824.1	4828.0	4867.2	4882.9
15°	4384.4	4317.7	4207.8	4137.1	4188.2	4152.8	4133.2	4211.7	4192.1	4184.3	4278.5
17.5°	3736.8	3791.7	3783.9	3705.4	3772.1	3744.6	3740.7	3685.8	3611.2	3556.2	3587.6
20°	3308.9	3411.0	3489.5	3493.4	3528.7	3524.8	3465.9	3297.2	3242.2	3230.4	3238.3
22.5°	3155.9	3210.8	3305.0	3438.5	3438.5	3375.7	3305.0	3108.7	3057.7	3002.8	2979.2
25°	3034.2	3140.2	3261.8	3277.5	3340.3	3281.5	3167.6	3069.5	2963.5	2888.9	2888.9
27.5°	2971.4	3089.1	3179.4	3206.9	3293.2	3246.1	3128.4	3002.8	2877.2	2873.2	2806.5
30°	2943.9	3053.8	3112.7	3179.4	3218.7	3144.1	3108.7	2975.3	2849.7	2818.3	2708.4
32.5°	2861.5	3018.5	3128.4	3112.7	3144.1	3112.7	3061.6	2951.7	2810.4	2739.8	2728.0
35°	2767.3	2924.3	3042.0	3124.5	3144.1	3077.3	3045.9	2896.8	2704.5	2669.1	2547.4
37.5°	2716.2	2810.4	2955.7	3089.1	3116.6	3081.3	2975.3	2822.2	2629.9	2590.6	2484.6
40°	2653.4	2775.1	2888.9	2998.8	3081.3	2994.9	2873.2	2724.1	2637.7	2520.0	2488.6
42.5°	2606.3	2743.7	2837.9	2959.6	3053.8	2940.0	2798.7	2696.6	2574.9	2496.4	2406.1
44°	2590.6	2716.2	2779.0	2928.2	3006.7	2920.3	2802.6	2696.6	2555.3	2484.6	2406.1
45°	2535.7	2708.4	2775.1	2908.6	2975.3	2904.6	2755.5	2649.5	2547.4	2461.1	2378.7
47.5°	2480.7	2598.5	2712.3	2818.3	2865.4	2841.8	2716.2	2586.7	2465.0	2414.0	2335.5
50°	2465.0	2582.8	2688.8	2786.9	2841.8	2794.7	2680.9	2555.3	2414.0	2331.6	2264.8
52.5°	2386.5	2531.7	2649.5	2680.9	2751.6	2724.1	2637.7	2500.3	2366.9	2296.2	2241.3
55°	2272.7	2425.8	2586.7	2626.0	2728.0	2684.8	2555.3	2425.8	2311.9	2206.0	2135.3
57.5°	2229.5	2378.7	2535.7	2586.7	2649.5	2578.8	2547.4	2410.1	2229.5	2174.6	2064.6
60°	2119.6	2308.0	2437.5	2555.3	2559.2	2539.6	2484.6	2327.6	2178.5	2076.4	1997.9
62.5°	2033.2	2209.9	2311.9	2421.8	2488.6	2433.6	2378.7	2233.4	2072.5	1958.7	1868.4
65°	1907.6	2068.6	2154.9	2221.7	2296.2	2288.4	2194.2	2088.2	1919.4	1829.1	1742.8
67.5°	1715.3	1856.6	1974.4	2037.2	2084.3	2072.5	2001.8	1927.3	1754.6	1664.3	1601.5
70°	1483.7	1629.0	1703.5	1738.9	1786.0	1809.5	1754.6	1719.2	1566.2	1448.4	1389.5
72.5°	1193.3	1287.5	1397.4	1428.8	1448.4	1464.1	1464.1	1432.7	1275.7	1228.6	1126.5
75°	879.2	953.8	1036.2	1036.2	1071.6	1075.5	1083.4	1063.7	946.0	883.2	859.6
77.5°	596.6	651.6	718.3	745.8	769.3	765.4	761.5	706.5	643.7	616.3	592.7
80°	388.6	443.5	474.9	510.3	533.8	529.9	537.8	498.5	471.0	423.9	431.8
82.5°	231.6	274.8	306.2	349.3	349.3	361.1	361.1	349.3	321.9	298.3	298.3
85°	109.9	145.2	164.9	192.3	208.0	212.0	188.4	160.9	133.5	121.7	133.5
87.5°	19.6	27.5	39.3	35.3	43.2	39.3	39.3	39.3	39.3	31.4	35.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5	11991.5
2.5°	10656.9	10853.1	10990.5	11218.2	11610.7	11924.7	12246.6	12486.0	12513.5	12584.2
5°	9012.2	9118.2	9467.6	9922.9	10244.7	10774.6	11116.1	11736.3	11967.9	12215.2
7.5°	7037.9	7210.6	7677.7	7983.8	8690.4	9353.7	10040.6	10806.0	11112.2	11147.5
10°	5934.9	6186.1	6504.0	6994.7	7379.4	8117.3	8973.0	9824.7	10166.2	10225.1
12.5°	5212.7	5534.5	5958.4	6311.7	6680.7	7324.4	8144.8	9196.7	9640.3	9907.2
15°	4517.9	4851.5	5318.6	5809.3	6135.1	6904.4	7870.0	9055.4	9632.4	9867.9
17.5°	3803.5	4113.6	4498.3	5028.2	5683.7	6547.2	7826.8	9526.4	10158.4	10433.2
20°	3191.2	3363.9	3811.4	4357.0	5177.3	6182.2	7842.5	10221.2	11147.5	11269.2
22.5°	2951.7	2991.0	3167.6	3670.1	4568.9	5809.3	8121.2	11206.4	12258.4	12658.7
25°	2767.3	2759.4	2806.5	3144.1	4125.4	5664.0	8396.0	12113.1	13490.9	13926.6
27.5°	2665.2	2586.7	2590.6	2908.6	3811.4	5428.5	8749.2	13153.3	14888.2	15080.6
30°	2614.2	2598.5	2551.4	2680.9	3469.9	5075.3	8808.1	14177.8	15712.5	15991.2
32.5°	2582.8	2429.7	2370.8	2417.9	3148.0	4690.6	9027.9	14852.9	16733.1	16611.4
35°	2425.8	2288.4	2249.1	2296.2	2920.3	4474.7	8882.7	15441.7	17498.5	17702.6
37.5°	2366.9	2245.2	2166.7	2127.5	2708.4	4294.2	8808.1	16348.4	18240.4	18731.0
40°	2311.9	2182.4	2088.2	2048.9	2543.5	4054.7	8784.6	17047.1	19096.0	19390.4
42.5°	2249.1	2166.7	2060.7	1990.1	2343.3	3815.3	8513.7	17263.0	19359.0	19677.0
44°	2229.5	2103.9	1994.0	1970.4	2264.8	3693.6	8458.8	17459.2	19586.7	20069.5
45°	2209.9	2092.1	1966.5	1935.1	2237.4	3626.9	8384.2	17506.3	19963.5	20053.8
47.5°	2154.9	2080.4	1958.7	1872.3	2178.5	3481.6	8160.5	17239.4	19578.8	19594.5
50°	2111.8	2025.4	1899.8	1731.0	2100.0	3360.0	8262.5	17141.3	18652.5	18687.8
52.5°	2064.6	1935.1	1864.5	1574.0	1970.4	3257.9	8478.4	17584.8	18758.5	18750.6
55°	2009.7	1868.4	1695.7	1440.5	1754.6	3128.4	9000.5	18460.2	19739.8	19873.2
57.5°	1923.3	1801.7	1554.4	1322.8	1507.3	2881.1	8831.7	16784.1	18161.8	18185.4
60°	1809.5	1695.7	1409.1	1232.5	1236.4	2272.7	7897.5	13078.7	14330.9	14672.4
62.5°	1699.6	1636.8	1287.5	1103.0	1052.0	1809.5	6676.7	10868.8	12301.5	12584.2
65°	1570.1	1417.0	1181.5	1004.8	902.8	1267.8	4729.9	8121.2	9597.1	9977.8
67.5°	1405.2	1240.4	1040.2	883.2	773.3	847.8	2441.5	4616.0	6111.5	6335.3
70°	1228.6	1075.5	875.3	745.8	624.1	584.9	1075.5	2202.0	3340.3	3571.9
72.5°	1008.8	867.5	698.7	588.8	467.1	404.3	361.1	588.8	1185.4	1377.7
75°	730.1	632.0	526.0	420.0	329.7	259.1	212.0	176.6	196.3	212.0
77.5°	537.8	459.2	388.6	298.3	231.6	184.5	145.2	109.9	106.0	102.1
80°	420.0	372.9	310.1	239.4	180.6	137.4	102.1	74.6	66.7	66.7
82.5°	329.7	306.2	255.1	196.3	149.2	109.9	74.6	51.0	43.2	43.2
85°	125.6	125.6	184.5	160.9	113.8	78.5	51.0	27.5	23.6	23.6
87.5°	31.4	31.4	31.4	31.4	27.5	23.6	23.6	11.8	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)