

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: P531930

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT 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 III - 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



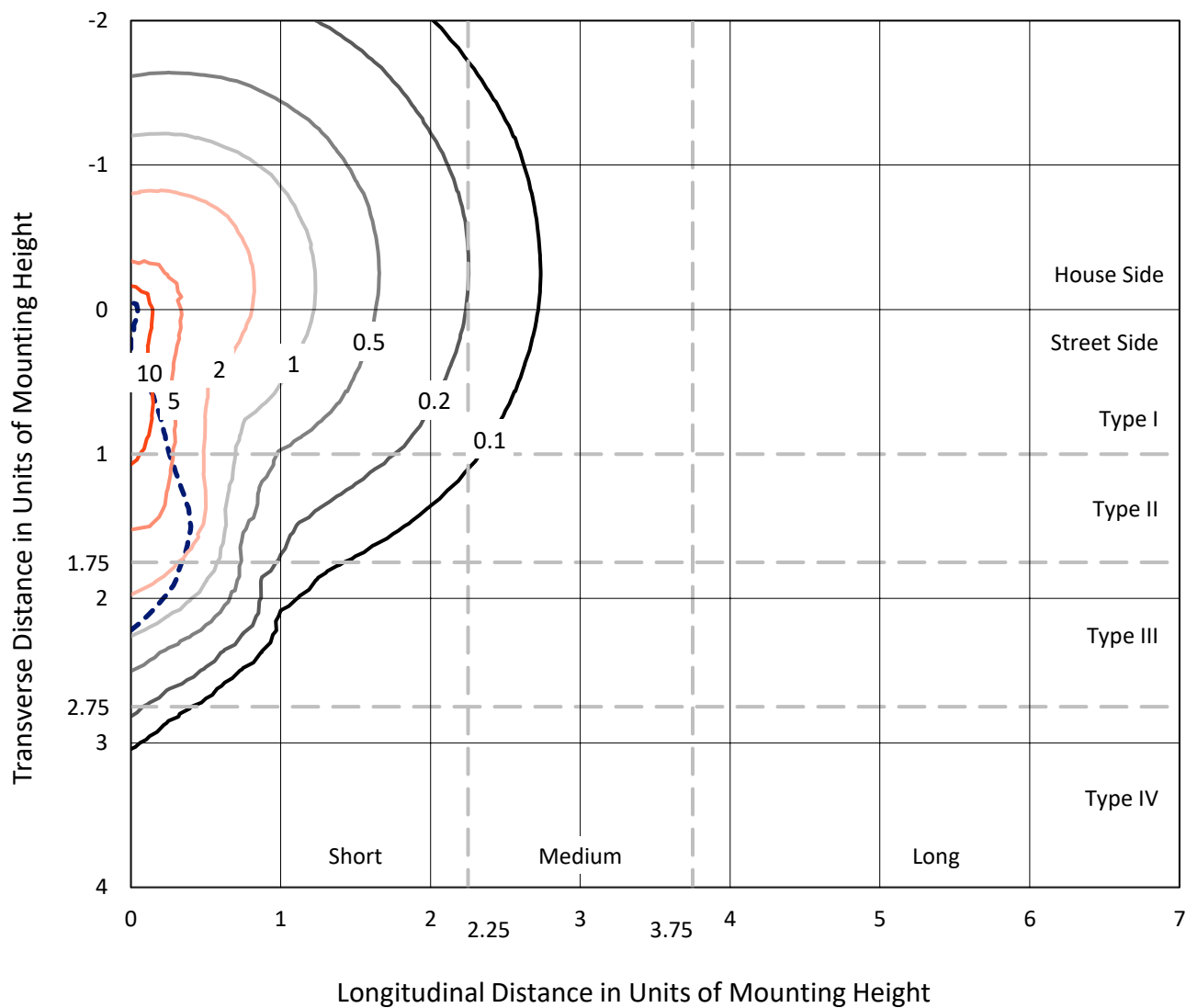
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

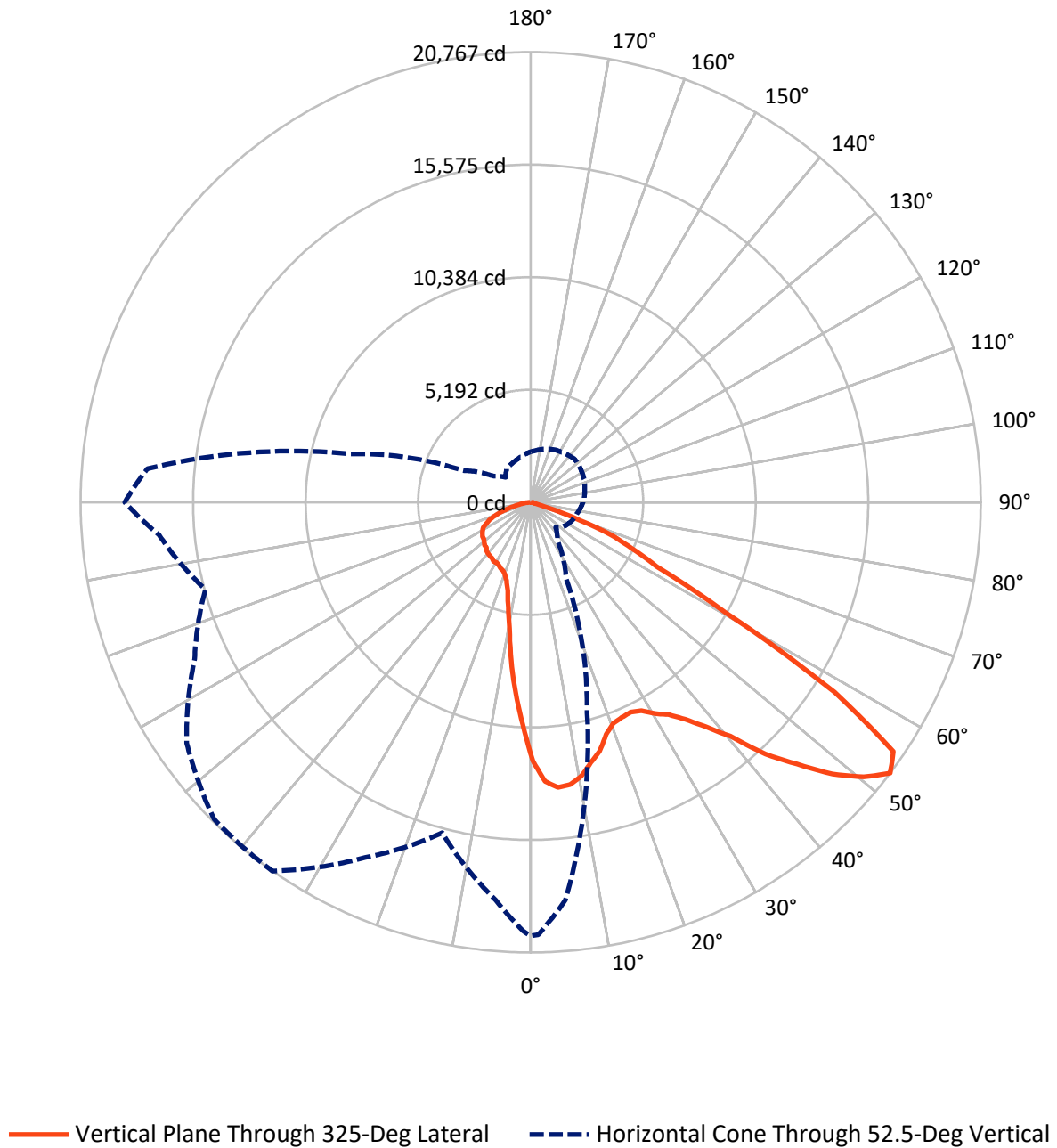


Based on 25 foot mounting height. Maximum calculated value = 19.1 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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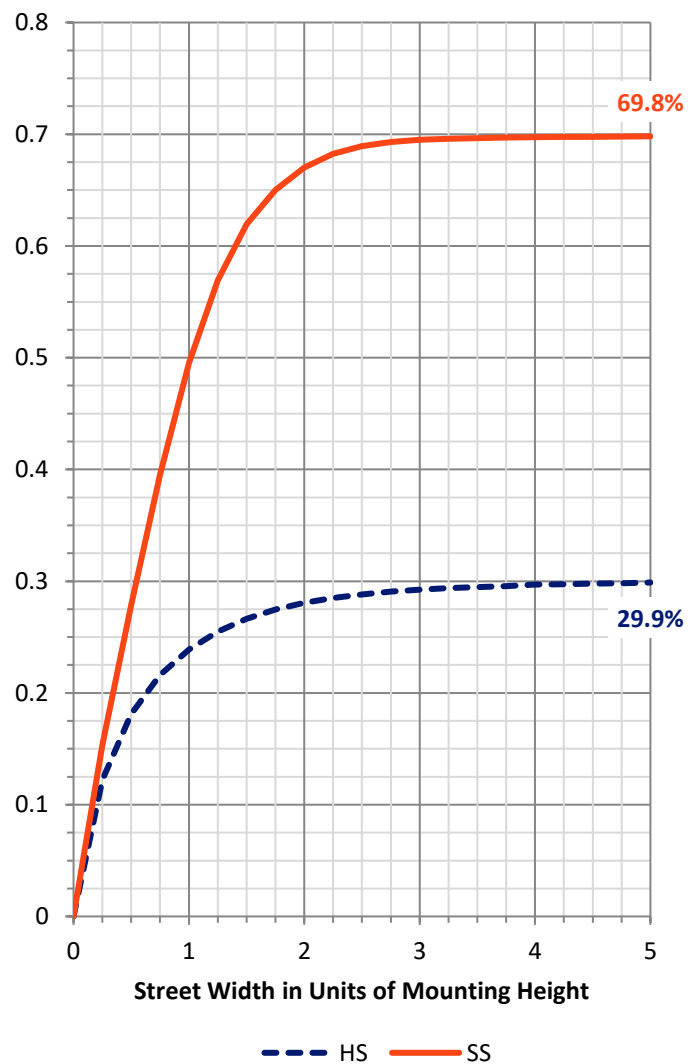
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8103.8	0.0	8103.8
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	18778.2	0.0	18778.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	26882.0	0.0	26882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	910.2	3.4
10°-20°	1973.1	7.3
20°-30°	2981.3	11.1
30°-40°	4308.0	16.0
40°-50°	5733.2	21.3
50°-60°	6412.8	23.9
60°-70°	3614.2	13.4
70°-80°	805.7	3.0
80°-90°	143.5	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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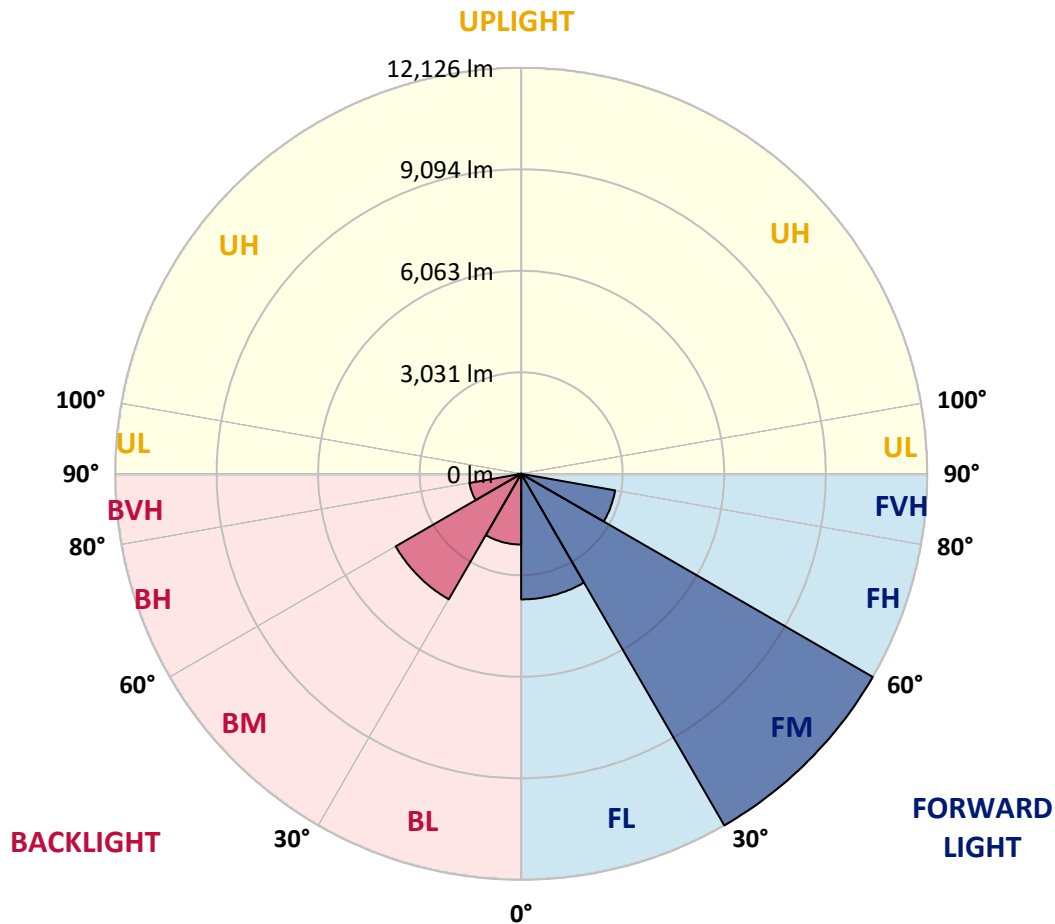
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3751.3	14.0			
FM	(30°-60°)	12125.8	45.1			
FH	(60°-80°)	2849.1	10.6			G2/5000
FVH	(80°-90°)	52.0	0.2			G1/100
BL	(0°-30°)	2113.3	7.9	B3/2500		
BM	(30°-60°)	4328.2	16.1	B3/5000		
BH	(60°-80°)	1570.8	5.8	B3/2500		G3/2500
BVH	(80°-90°)	91.5	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4
2.5°	12129.1	12323.9	12113.5	11739.5	11474.5	11233.0	10979.7	10929.1	10597.9	10539.4	10297.9
5°	11439.5	11396.6	11139.5	10648.5	10106.9	9616.0	9253.7	8903.0	8665.3	8388.7	8369.2
7.5°	10601.8	10352.4	10204.3	9460.2	8790.0	8018.5	7687.4	7153.6	6986.0	6736.7	6608.1
10°	9853.7	9670.6	9323.8	8579.6	7644.5	7134.1	6779.5	6491.2	6296.4	6039.2	5715.8
12.5°	9483.5	9409.5	9019.9	7866.6	7173.0	6627.6	6378.2	6097.7	5766.5	5353.5	5193.7
15°	9549.8	9300.4	9004.3	7730.2	6771.7	6245.7	5848.3	5497.6	5073.0	4679.4	4449.5
17.5°	10044.6	9853.7	9261.4	7815.9	6619.8	5860.0	5139.2	4621.0	4239.1	3884.6	3724.8
20°	11018.7	10742.0	10075.8	7925.0	6292.5	5322.3	4496.3	3857.3	3448.2	3261.2	3206.6
22.5°	12097.9	11934.3	10870.6	8170.5	6031.4	4823.6	3814.5	3175.5	3023.5	2972.9	3074.2
25°	13411.0	12986.3	12105.7	8571.8	5828.8	4398.9	3237.8	2883.2	2805.3	2856.0	2972.9
27.5°	14408.4	14295.4	12970.7	8949.7	5552.2	3888.5	2914.4	2680.6	2704.0	2754.7	2863.8
30°	15592.9	15020.1	13808.4	9210.8	5302.8	3537.8	2688.4	2626.1	2649.5	2735.2	2789.7
32.5°	16305.9	16091.6	14334.4	9604.3	5014.5	3233.9	2513.1	2454.7	2489.7	2618.3	2746.9
35°	17213.7	16789.1	14985.1	9705.6	4811.9	3113.1	2388.4	2345.6	2427.4	2517.0	2661.2
37.5°	18273.5	17981.3	15885.1	9635.5	4702.8	2988.4	2283.2	2263.7	2322.2	2446.9	2614.4
40°	18900.8	18811.2	16356.6	9678.3	4531.4	2879.3	2162.4	2185.8	2306.6	2404.0	2567.6
42.5°	19504.8	18920.3	17054.0	9662.8	4422.3	2731.3	2174.1	2146.8	2240.4	2353.4	2509.2
45°	19637.2	19056.7	17217.6	9553.7	4289.8	2587.1	2084.5	2096.2	2209.2	2349.5	2450.8
47.5°	19551.5	19122.9	17521.6	9522.5	4165.1	2485.8	1952.0	2092.3	2158.5	2271.5	2415.7
50°	19493.1	19469.7	17778.7	9670.6	3997.6	2326.1	1792.3	2041.6	2107.9	2220.9	2376.7
52.5°	20007.4	19956.7	18421.6	10060.2	3865.1	2154.6	1628.6	1913.1	2072.8	2181.9	2333.9
55°	20319.1	20097.0	19524.2	10539.4	3643.0	1928.7	1515.7	1753.3	1987.1	2084.5	2240.4
57.5°	18277.4	18125.5	17661.8	9838.1	3269.0	1632.5	1375.4	1589.7	1870.2	2022.2	2181.9
60°	15207.2	14969.5	13781.1	8361.4	2411.8	1270.2	1289.7	1461.1	1839.0	1897.5	2084.5
62.5°	14338.3	13750.0	12133.0	6728.9	1850.7	1091.0	1157.2	1344.2	1675.4	1772.8	1959.8
65°	11377.1	10940.7	8680.9	4858.7	1239.0	946.8	1055.9	1211.7	1445.5	1636.4	1807.9
67.5°	7122.4	6705.5	4632.7	2298.8	865.0	810.4	942.9	1106.5	1297.5	1468.9	1659.8
70°	3720.9	3265.1	2139.1	829.9	596.1	662.4	787.0	942.9	1129.9	1270.2	1418.2
72.5°	1387.1	1126.0	697.4	358.5	413.0	506.5	639.0	752.0	884.5	1055.9	1137.7
75°	214.3	183.1	179.2	218.2	280.5	366.2	455.9	568.9	685.7	794.8	849.4
77.5°	101.3	97.4	109.1	144.2	187.0	261.1	331.2	440.3	533.8	603.9	635.1
80°	66.2	62.3	70.1	97.4	140.3	194.8	264.9	339.0	424.7	483.1	475.3
82.5°	39.0	42.9	42.9	66.2	97.4	140.3	190.9	257.2	315.6	366.2	335.1
85°	23.4	19.5	19.5	39.0	66.2	113.0	159.7	109.1	113.0	113.0	128.6
87.5°	7.8	7.8	7.8	3.9	7.8	7.8	11.7	19.5	23.4	27.3	35.1
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°	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4
2.5°	10290.1	10410.8	10368.0	10216.0	10332.9	10352.4	10274.5	10543.3	10594.0	10512.2	10535.5
5°	8341.9	8373.1	8443.2	8591.3	8696.5	8821.2	8821.2	8829.0	8723.8	8988.7	8910.8
7.5°	6499.0	6518.5	6600.3	6915.9	7005.5	7243.2	7344.5	7274.3	7063.9	6974.3	7048.4
10°	5610.6	5497.6	5470.4	5509.3	5711.9	5813.2	5899.0	5875.6	5840.5	5770.4	5692.5
12.5°	5018.4	4936.6	4870.3	4776.8	4788.5	4885.9	4952.2	4897.6	4913.2	4928.8	4952.2
15°	4375.5	4317.1	4282.0	4141.7	4126.2	4192.4	4215.8	4246.9	4305.4	4309.3	4282.0
17.5°	3693.7	3643.0	3720.9	3798.9	3744.3	3748.2	3791.1	3818.4	3802.8	3732.6	3697.6
20°	3226.1	3280.7	3358.6	3432.6	3491.1	3526.1	3541.7	3498.9	3448.2	3304.0	3300.1
22.5°	3089.7	3159.9	3226.1	3339.1	3393.7	3483.3	3401.4	3304.0	3233.9	3163.8	3082.0
25°	2988.4	3046.9	3179.4	3222.2	3327.4	3401.4	3343.0	3245.6	3124.8	3023.5	2961.2
27.5°	2914.4	2980.7	3066.4	3183.3	3265.1	3307.9	3249.5	3210.5	3085.9	2965.1	2875.5
30°	2867.7	2937.8	3093.6	3191.0	3261.2	3296.2	3194.9	3148.2	3058.6	2957.3	2879.3
32.5°	2836.5	2898.8	3031.3	3156.0	3202.7	3202.7	3218.3	3163.8	3039.1	2867.7	2801.4
35°	2735.2	2820.9	2930.0	3074.2	3159.9	3210.5	3132.6	3070.3	2988.4	2813.1	2692.3
37.5°	2676.7	2735.2	2875.5	3011.8	3085.9	3140.4	3109.2	3000.1	2891.0	2746.9	2649.5
40°	2614.4	2707.9	2832.6	2961.2	3043.0	3097.5	3074.2	2945.6	2813.1	2676.7	2610.5
42.5°	2571.5	2633.9	2762.5	2906.6	3004.0	3109.2	3039.1	2879.3	2785.8	2598.8	2524.8
45°	2536.5	2637.8	2774.1	2832.6	2933.9	3043.0	2918.3	2820.9	2711.8	2575.4	2513.1
47.5°	2493.6	2587.1	2676.7	2832.6	2879.3	2930.0	2906.6	2750.8	2657.3	2509.2	2466.3
50°	2478.0	2513.1	2676.7	2762.5	2828.7	2879.3	2817.0	2700.1	2610.5	2458.6	2365.0
52.5°	2415.7	2481.9	2587.1	2700.1	2781.9	2844.3	2743.0	2668.9	2548.2	2388.4	2330.0
55°	2337.8	2376.7	2563.7	2680.6	2723.5	2766.4	2727.4	2606.6	2481.9	2318.3	2259.8
57.5°	2236.5	2326.1	2478.0	2641.7	2696.2	2719.6	2657.3	2559.9	2404.0	2259.8	2166.3
60°	2131.3	2224.8	2392.3	2524.8	2579.3	2665.1	2571.5	2513.1	2333.9	2174.1	2072.8
62.5°	2026.1	2131.3	2255.9	2423.5	2470.2	2505.3	2481.9	2400.1	2255.9	2076.7	1952.0
65°	1901.4	1979.3	2135.2	2220.9	2252.0	2333.9	2252.0	2220.9	2092.3	1920.9	1815.7
67.5°	1714.4	1780.6	1917.0	1998.8	2022.2	2057.2	2053.3	2018.3	1874.1	1757.2	1663.7
70°	1500.1	1558.5	1644.2	1741.6	1753.3	1796.2	1757.2	1749.4	1655.9	1496.2	1445.5
72.5°	1203.9	1258.5	1371.5	1414.3	1418.2	1433.8	1414.3	1387.1	1363.7	1196.2	1145.5
75°	923.4	954.6	1009.1	1048.1	1048.1	1067.6	1055.9	1028.6	966.3	861.1	810.4
77.5°	642.9	674.1	744.2	767.6	763.7	771.5	736.4	709.1	615.6	561.1	518.2
80°	467.6	487.0	522.1	537.7	541.6	553.3	510.4	487.0	432.5	370.1	350.7
82.5°	339.0	350.7	354.6	374.0	374.0	354.6	342.9	319.5	280.5	241.6	226.0
85°	140.3	144.2	148.1	171.4	175.3	210.4	194.8	183.1	159.7	136.4	124.7
87.5°	35.1	39.0	50.7	42.9	50.7	50.7	54.5	62.3	62.3	50.7	50.7
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°	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4
2.5°	10625.1	10656.3	11053.7	11104.4	11299.2	11497.9	11899.2	12187.6	12421.3	12573.3	12616.1
5°	8992.6	9191.3	9374.4	9670.6	9939.4	10321.2	10761.5	11307.0	11992.7	12343.4	12483.7
7.5°	7040.6	7274.3	7539.3	7827.6	8221.1	8906.9	9495.2	10126.4	11003.1	11365.4	11914.8
10°	5747.0	6008.1	6358.7	6580.8	7056.2	7710.7	8396.5	9125.1	9962.8	10484.9	11120.0
12.5°	5080.7	5295.0	5618.4	6086.0	6440.5	6865.2	7375.7	8295.2	9495.2	9990.1	10426.4
15°	4344.3	4582.0	4956.1	5474.3	5899.0	6405.5	6978.2	7979.6	9257.6	10021.2	10391.4
17.5°	3736.5	3908.0	4301.5	4749.6	5236.6	5789.9	6612.0	7964.0	9506.9	10484.9	11088.8
20°	3315.7	3339.1	3553.4	3935.2	4597.6	5318.4	6386.0	7886.1	10305.6	11283.6	12047.3
22.5°	3050.8	3027.4	3031.3	3354.7	3818.4	4854.8	6031.4	8151.0	11213.5	12553.8	13068.1
25°	2918.3	2856.0	2817.0	2887.1	3307.9	4305.4	5762.6	8501.7	12191.4	13601.9	14233.1
27.5°	2848.2	2739.1	2661.2	2672.8	2980.7	4028.7	5595.1	8653.6	13161.6	15063.0	15285.1
30°	2820.9	2684.5	2571.5	2532.6	2735.2	3643.0	5236.6	8914.7	14030.5	15865.6	16056.6
32.5°	2723.5	2556.0	2446.9	2411.8	2493.6	3304.0	4979.4	9101.7	14798.1	16738.4	16672.2
35°	2610.5	2470.2	2333.9	2267.6	2326.1	3085.9	4772.9	9012.1	15702.0	17416.4	17381.3
37.5°	2598.8	2415.7	2302.7	2193.6	2189.7	2817.0	4492.4	9097.8	16278.6	18632.0	18152.7
40°	2497.5	2380.6	2232.6	2143.0	2092.3	2680.6	4219.7	8895.2	17124.1	19122.9	18651.5
42.5°	2501.4	2326.1	2197.5	2092.3	2041.6	2481.9	4032.6	8840.7	17420.2	19921.7	18885.2
45°	2439.1	2267.6	2158.5	2033.9	2006.6	2330.0	3853.4	8587.4	17942.4	19960.6	18593.0
47.5°	2376.7	2224.8	2107.9	1959.8	1897.5	2275.4	3713.2	8377.0	17669.6	19594.4	18187.8
50°	2333.9	2158.5	2049.4	1944.2	1768.9	2181.9	3530.0	8326.3	17287.8	19099.5	17435.8
52.5°	2259.8	2104.0	1991.0	1909.2	1628.6	2096.2	3459.9	8622.5	17755.3	18729.4	17217.6
55°	2189.7	2030.0	1885.8	1726.1	1511.8	1870.2	3265.1	8899.1	18437.2	19582.7	18207.3
57.5°	2115.7	1963.7	1807.9	1617.0	1398.8	1636.4	3062.5	8949.7	17159.2	18098.2	17283.9
60°	2018.3	1823.5	1706.6	1457.2	1278.0	1355.9	2427.4	7890.0	13309.7	15113.7	15140.9
62.5°	1909.2	1698.8	1597.5	1305.3	1153.3	1168.9	1979.3	6631.5	10796.6	12510.9	13255.1
65°	1765.0	1562.4	1441.6	1207.8	1063.7	1013.0	1449.4	4858.7	8201.7	10149.8	10995.3
67.5°	1578.0	1387.1	1235.1	1052.0	950.7	868.9	989.7	2735.2	4843.1	6814.6	7071.7
70°	1379.3	1215.6	1055.9	903.9	790.9	732.5	724.7	1211.7	2314.4	3666.4	4172.9
72.5°	1087.1	970.2	841.6	728.6	654.6	568.9	518.2	502.6	783.2	1492.3	2061.1
75°	779.3	681.8	607.8	533.8	479.2	432.5	393.5	358.5	327.3	374.0	514.3
77.5°	490.9	455.9	397.4	377.9	346.8	335.1	319.5	300.0	276.6	261.1	261.1
80°	331.2	307.8	288.3	284.4	272.7	268.8	272.7	253.3	229.9	210.4	218.2
82.5°	222.1	218.2	214.3	210.4	214.3	218.2	226.0	222.1	202.6	190.9	194.8
85°	132.5	140.3	148.1	155.9	171.4	152.0	124.7	105.2	93.5	85.7	81.8
87.5°	50.7	70.1	62.3	58.4	62.3	58.4	54.5	50.7	42.9	39.0	39.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4	11930.4
2.5°	12900.6	12978.5	13044.7	13029.1	12892.8	12709.7	12635.6	12257.7	12179.8	12129.1
5°	13075.9	13527.9	13625.3	13566.8	13212.3	12764.2	12327.8	11774.5	11451.2	11439.5
7.5°	12752.5	13309.7	13485.0	13617.5	13146.0	12366.8	11618.7	10788.8	10586.2	10601.8
10°	11930.4	12818.7	13251.2	13387.6	12846.0	12172.0	11135.6	10294.0	9861.5	9853.7
12.5°	11474.5	12172.0	12292.8	12483.7	12323.9	11642.1	10855.0	9912.1	9491.3	9483.5
15°	11069.3	11529.1	11564.1	11833.0	11918.7	11458.9	10929.1	9923.8	9584.8	9549.8
17.5°	11423.9	11104.4	10971.9	11007.0	11260.2	11427.8	11357.6	10586.2	10239.4	10044.6
20°	11661.6	10948.5	10547.2	10586.2	10886.2	11497.9	11996.6	11544.7	10995.3	11018.7
22.5°	12296.6	10971.9	10344.6	10301.8	10777.1	11864.2	12717.4	12756.4	12226.5	12097.9
25°	13247.3	11240.8	10282.3	10270.6	10726.4	12257.7	13559.0	14190.2	13648.7	13411.0
27.5°	14011.0	11661.6	10477.1	10516.0	10886.2	12577.2	14276.0	15113.7	14700.6	14408.4
30°	14681.2	12097.9	10749.8	10570.6	11314.8	12744.7	14583.8	16165.6	15834.5	15592.9
32.5°	14957.8	12717.4	11182.3	10886.2	11669.3	12947.3	15222.7	17186.5	16902.0	16305.9
35°	15425.4	13064.2	11416.1	11392.7	12288.9	13434.4	15522.8	17860.5	17743.6	17213.7
37.5°	15799.4	13414.9	12246.0	11988.8	13138.2	14252.6	16005.9	18791.7	18522.9	18273.5
40°	16087.7	14042.2	13021.4	13360.3	14182.4	14996.8	16450.1	18850.2	19625.5	18900.8
42.5°	15822.8	14603.2	14295.4	15105.9	15885.1	15846.2	16500.7	19302.2	19882.7	19504.8
45°	15756.5	15553.9	16309.8	17046.2	17225.4	16551.4	16138.4	18803.4	19804.8	19637.2
47.5°	15596.8	16489.0	17806.0	19006.0	18733.3	17022.8	15705.9	18713.8	19851.5	19551.5
50°	15542.2	16691.6	18912.5	20081.4	19917.8	17431.9	15503.3	18137.2	19520.3	19493.1
52.5°	15538.3	17108.5	19372.3	20665.8	20767.2	18078.7	15779.9	18429.4	19777.5	20007.4
55°	15713.7	16976.1	19313.8	20342.5	20303.5	17790.4	15811.1	18624.2	20093.1	20319.1
57.5°	14821.4	15207.2	15939.7	16754.0	16543.6	14735.7	14120.1	17217.6	18441.1	18277.4
60°	12799.3	11591.4	10765.4	10726.4	10317.3	9752.4	11556.4	15366.9	15366.9	15207.2
62.5°	11209.6	7609.4	6538.0	6234.0	6526.3	7176.9	11147.2	14946.1	14521.4	14338.3
65°	9803.0	5809.3	4726.2	4640.5	5147.0	6128.8	10079.7	12733.0	11984.9	11377.1
67.5°	6308.1	4254.7	3514.4	3362.5	3974.2	4500.2	6709.4	7831.5	7360.1	7122.4
70°	4067.7	2770.3	1955.9	1835.1	2072.8	2774.1	4285.9	4566.4	3880.7	3720.9
72.5°	1924.8	1196.2	685.7	565.0	635.1	1059.8	1694.9	1823.5	1515.7	1387.1
75°	611.7	440.3	280.5	241.6	229.9	272.7	389.6	300.0	218.2	214.3
77.5°	272.7	261.1	222.1	187.0	163.6	136.4	113.0	93.5	97.4	101.3
80°	226.0	206.5	183.1	163.6	136.4	105.2	81.8	62.3	62.3	66.2
82.5°	198.7	179.2	159.7	136.4	116.9	85.7	62.3	42.9	39.0	39.0
85°	85.7	101.3	109.1	116.9	93.5	70.1	42.9	27.3	23.4	23.4
87.5°	35.1	31.2	27.3	23.4	19.5	19.5	15.6	11.7	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)