

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: P530292

Luminaire Tested: **GLAN-SA5C-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530292
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-SA5C-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1050mA 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: 23880 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 269
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



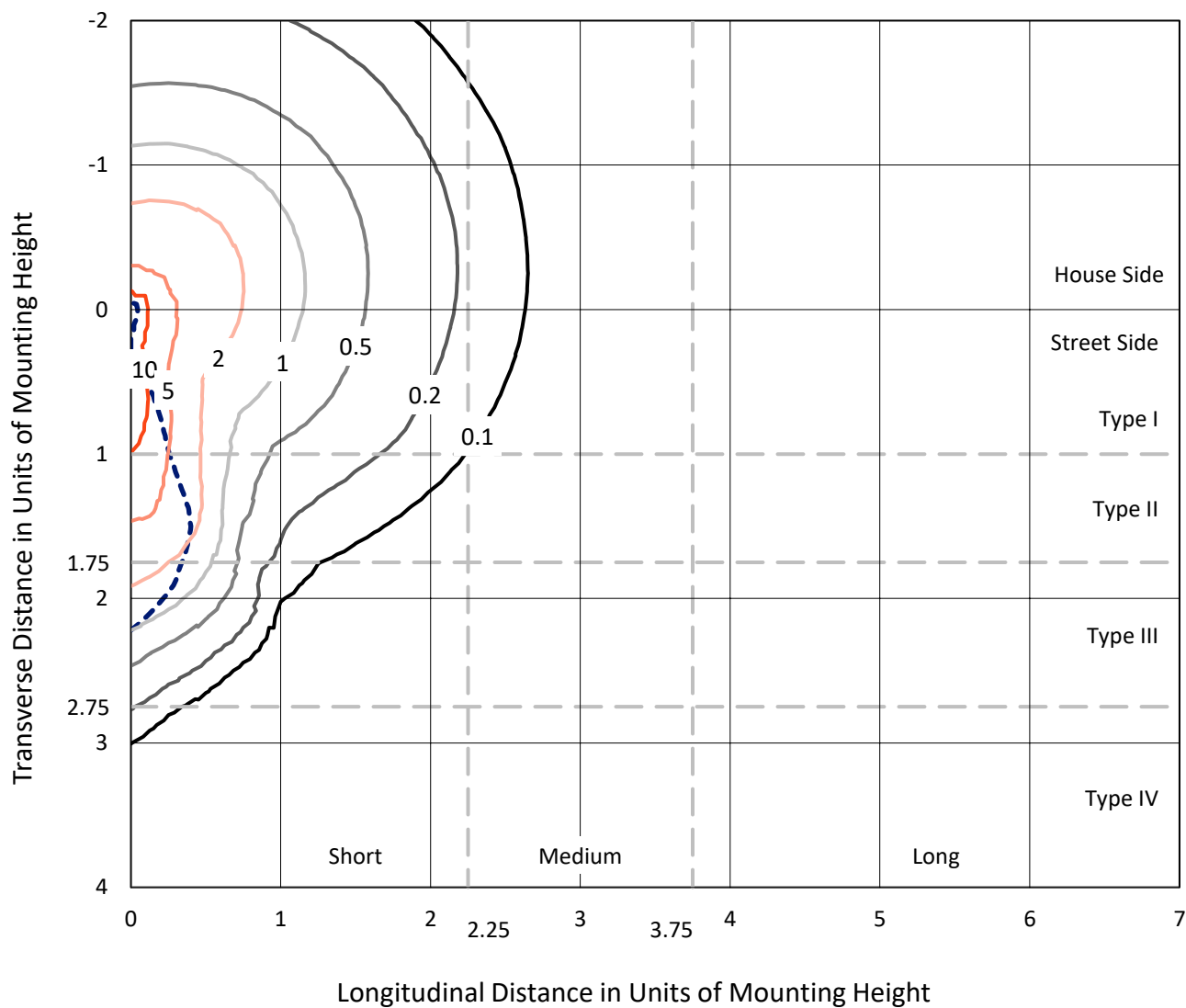
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

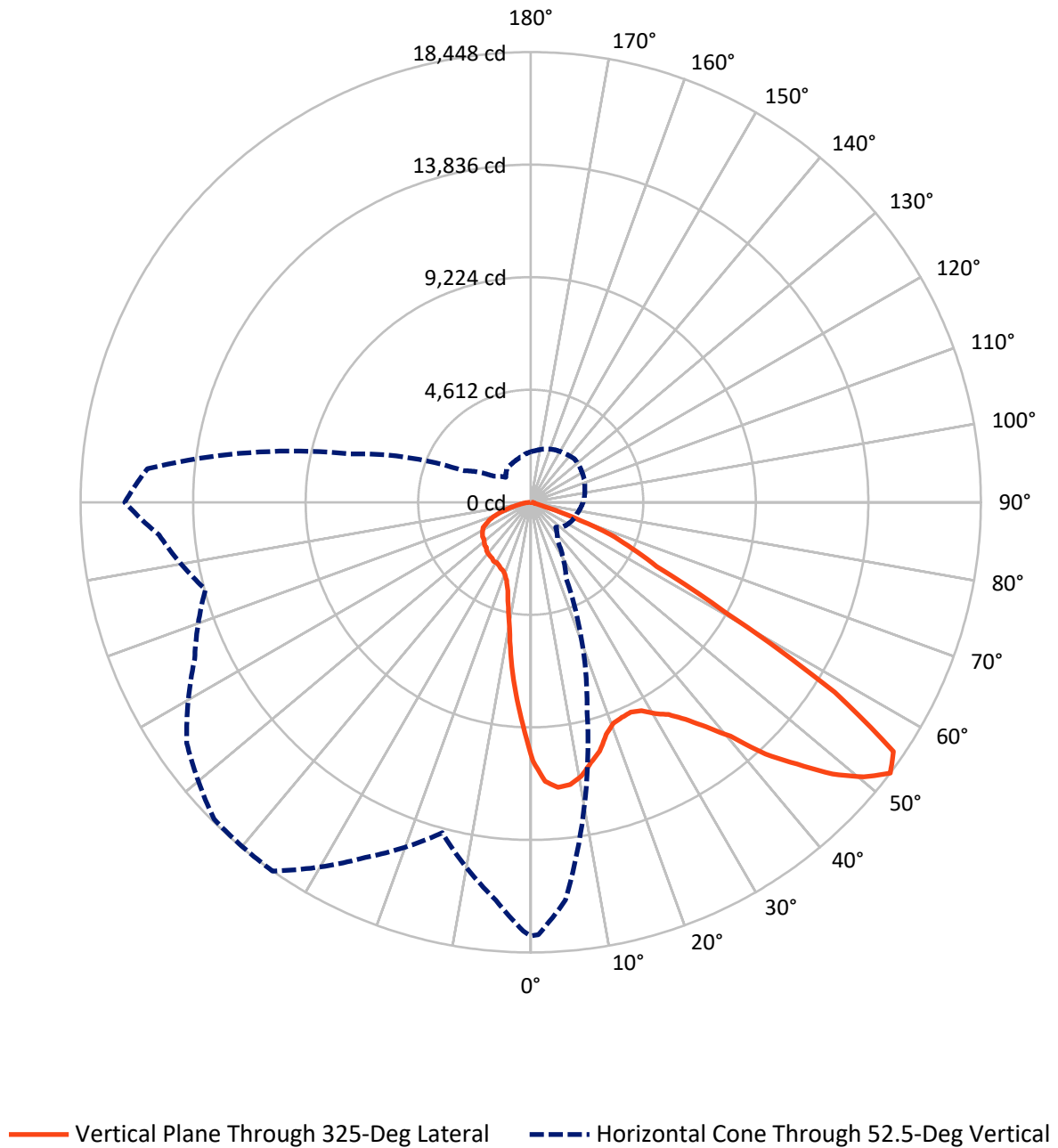


Based on 25 foot mounting height. Maximum calculated value = 17 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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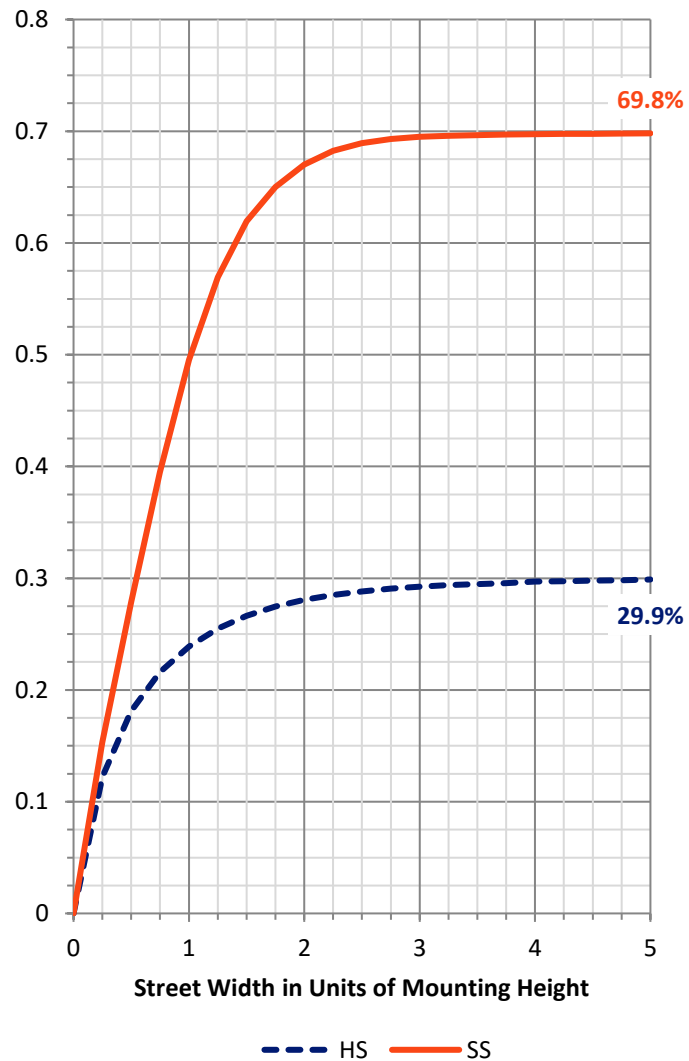
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7198.8	0.0	7198.8
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	16681.2	0.0	16681.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	23880.0	0.0	23880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.5	3.4
10°-20°	1752.8	7.3
20°-30°	2648.3	11.1
30°-40°	3827.0	16.0
40°-50°	5093.0	21.3
50°-60°	5696.6	23.9
60°-70°	3210.6	13.4
70°-80°	715.7	3.0
80°-90°	127.4	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°	23880.0	100.0
0°-180°	23880.0	100.0

Coefficient of Utilization



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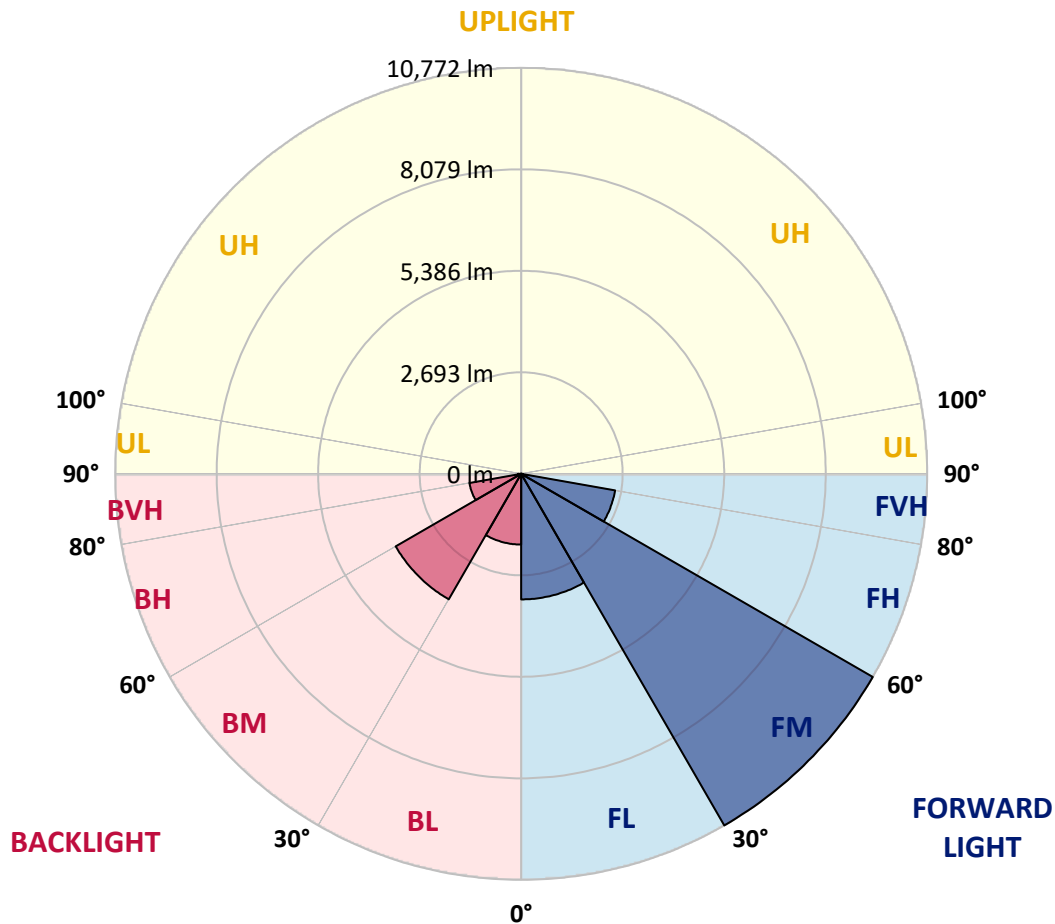
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3332.4	14.0			
FM	(30°-60°)	10771.7	45.1			
FH	(60°-80°)	2530.9	10.6			G2/5000
FVH	(80°-90°)	46.2	0.2			G1/100
BL	(0°-30°)	1877.3	7.9	B3/2500		
BM	(30°-60°)	3844.9	16.1	B3/5000		
BH	(60°-80°)	1395.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	81.3	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°	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1
2.5°	10774.6	10947.7	10760.8	10428.5	10193.1	9978.5	9753.6	9708.6	9414.4	9362.5	9147.9
5°	10162.0	10123.9	9895.5	9459.4	8978.3	8542.2	8220.3	7908.8	7697.6	7451.9	7434.6
7.5°	9417.8	9196.3	9064.8	8403.7	7808.4	7123.1	6828.9	6354.7	6205.9	5984.4	5870.1
10°	8753.3	8590.6	8282.6	7621.5	6790.8	6337.4	6022.4	5766.3	5593.2	5364.8	5077.5
12.5°	8424.5	8358.7	8012.6	6988.1	6372.0	5887.4	5665.9	5416.7	5122.5	4755.6	4613.7
15°	8483.3	8261.8	7998.8	6867.0	6015.5	5548.2	5195.2	4883.7	4506.4	4156.9	3952.7
17.5°	8922.9	8753.3	8227.2	6943.1	5880.5	5205.6	4565.3	4104.9	3765.7	3450.8	3308.9
20°	9788.2	9542.4	8950.6	7040.0	5589.8	4728.0	3994.2	3426.6	3063.1	2897.0	2848.5
22.5°	10746.9	10601.6	9656.7	7258.1	5357.9	4284.9	3388.5	2820.9	2685.9	2640.9	2730.9
25°	11913.3	11536.1	10753.8	7614.6	5177.9	3907.7	2876.2	2561.3	2492.0	2537.0	2640.9
27.5°	12799.4	12699.0	11522.2	7950.3	4932.2	3454.2	2589.0	2381.3	2402.0	2447.0	2544.0
30°	13851.6	13342.8	12266.4	8182.2	4710.6	3142.7	2388.2	2332.8	2353.6	2429.7	2478.2
32.5°	14485.0	14294.6	12733.6	8531.8	4454.5	2872.8	2232.5	2180.5	2211.7	2325.9	2440.1
35°	15291.4	14914.2	13311.6	8621.8	4274.5	2765.5	2121.7	2083.6	2156.3	2235.9	2364.0
37.5°	16232.9	15973.3	14111.2	8559.5	4177.6	2654.7	2028.2	2010.9	2062.9	2173.6	2322.4
40°	16790.1	16710.5	14530.0	8597.5	4025.3	2557.8	1920.9	1941.7	2049.0	2135.5	2280.9
42.5°	17326.6	16807.4	15149.5	8583.7	3928.4	2426.3	1931.3	1907.1	1990.2	2090.5	2229.0
45°	17444.3	16928.6	15294.9	8486.8	3810.7	2298.2	1851.7	1862.1	1962.5	2087.1	2177.1
47.5°	17368.1	16987.4	15564.9	8459.1	3700.0	2208.2	1734.0	1858.6	1917.5	2017.9	2145.9
50°	17316.2	17295.4	15793.3	8590.6	3551.2	2066.3	1592.1	1813.7	1872.5	1972.9	2111.3
52.5°	17773.1	17728.1	16364.4	8936.7	3433.5	1914.0	1446.8	1699.4	1841.3	1938.3	2073.2
55°	18050.0	17852.7	17343.9	9362.5	3236.2	1713.3	1346.4	1557.5	1765.2	1851.7	1990.2
57.5°	16236.3	16101.3	15689.5	8739.4	2903.9	1450.2	1221.8	1412.2	1661.4	1796.3	1938.3
60°	13508.9	13297.8	12242.1	7427.7	2142.5	1128.3	1145.6	1297.9	1633.7	1685.6	1851.7
62.5°	12737.1	12214.5	10778.1	5977.4	1644.1	969.1	1028.0	1194.1	1488.3	1574.8	1741.0
65°	10106.6	9719.0	7711.5	4316.1	1100.7	841.1	938.0	1076.4	1284.1	1453.7	1606.0
67.5°	6327.0	5956.7	4115.3	2042.1	768.4	719.9	837.6	983.0	1152.6	1304.9	1474.5
70°	3305.4	2900.5	1900.2	737.2	529.6	588.4	699.2	837.6	1003.7	1128.3	1259.9
72.5°	1232.2	1000.3	619.5	318.4	366.9	450.0	567.6	668.0	785.7	938.0	1010.7
75°	190.4	162.7	159.2	193.8	249.2	325.3	405.0	505.3	609.2	706.1	754.5
77.5°	90.0	86.5	96.9	128.1	166.1	231.9	294.2	391.1	474.2	536.5	564.2
80°	58.8	55.4	62.3	86.5	124.6	173.1	235.4	301.1	377.3	429.2	422.3
82.5°	34.6	38.1	38.1	58.8	86.5	124.6	169.6	228.4	280.4	325.3	297.7
85°	20.8	17.3	17.3	34.6	58.8	100.4	141.9	96.9	100.4	100.4	114.2
87.5°	6.9	6.9	6.9	3.5	6.9	6.9	10.4	17.3	20.8	24.2	31.2
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°	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1
2.5°	9140.9	9248.2	9210.2	9075.2	9179.0	9196.3	9127.1	9365.9	9410.9	9338.2	9359.0
5°	7410.4	7438.0	7500.3	7631.9	7725.3	7836.1	7836.1	7843.0	7749.6	7984.9	7915.7
7.5°	5773.2	5790.5	5863.2	6143.6	6223.2	6434.3	6524.3	6462.0	6275.1	6195.5	6261.2
10°	4984.1	4883.7	4859.5	4894.1	5074.1	5164.1	5240.2	5219.4	5188.3	5126.0	5056.8
12.5°	4458.0	4385.3	4326.5	4243.4	4253.8	4340.3	4399.1	4350.7	4364.5	4378.4	4399.1
15°	3886.9	3835.0	3803.8	3679.2	3665.4	3724.2	3745.0	3772.7	3824.6	3828.0	3803.8
17.5°	3281.2	3236.2	3305.4	3374.6	3326.2	3329.6	3367.7	3391.9	3378.1	3315.8	3284.6
20°	2865.8	2914.3	2983.5	3049.3	3101.2	3132.4	3146.2	3108.1	3063.1	2935.1	2931.6
22.5°	2744.7	2807.0	2865.8	2966.2	3014.7	3094.3	3021.6	2935.1	2872.8	2810.5	2737.8
25°	2654.7	2706.6	2824.3	2862.4	2955.8	3021.6	2969.7	2883.2	2775.9	2685.9	2630.5
27.5°	2589.0	2647.8	2723.9	2827.8	2900.5	2938.5	2886.6	2852.0	2741.2	2633.9	2554.3
30°	2547.4	2609.7	2748.2	2834.7	2897.0	2928.1	2838.2	2796.6	2717.0	2627.0	2557.8
32.5°	2519.7	2575.1	2692.8	2803.5	2845.1	2845.1	2858.9	2810.5	2699.7	2547.4	2488.6
35°	2429.7	2505.9	2602.8	2730.9	2807.0	2852.0	2782.8	2727.4	2654.7	2499.0	2391.7
37.5°	2377.8	2429.7	2554.3	2675.5	2741.2	2789.7	2762.0	2665.1	2568.2	2440.1	2353.6
40°	2322.4	2405.5	2516.3	2630.5	2703.2	2751.6	2730.9	2616.6	2499.0	2377.8	2319.0
42.5°	2284.4	2339.7	2454.0	2582.0	2668.6	2762.0	2699.7	2557.8	2474.7	2308.6	2242.8
45°	2253.2	2343.2	2464.4	2516.3	2606.3	2703.2	2592.4	2505.9	2409.0	2287.8	2232.5
47.5°	2215.1	2298.2	2377.8	2516.3	2557.8	2602.8	2582.0	2443.6	2360.5	2229.0	2190.9
50°	2201.3	2232.5	2377.8	2454.0	2512.8	2557.8	2502.4	2398.6	2319.0	2184.0	2100.9
52.5°	2145.9	2204.8	2298.2	2398.6	2471.3	2526.7	2436.7	2370.9	2263.6	2121.7	2069.8
55°	2076.7	2111.3	2277.4	2381.3	2419.4	2457.4	2422.8	2315.5	2204.8	2059.4	2007.5
57.5°	1986.7	2066.3	2201.3	2346.7	2395.1	2415.9	2360.5	2274.0	2135.5	2007.5	1924.4
60°	1893.3	1976.3	2125.2	2242.8	2291.3	2367.4	2284.4	2232.5	2073.2	1931.3	1841.3
62.5°	1799.8	1893.3	2004.0	2152.8	2194.4	2225.5	2204.8	2132.1	2004.0	1844.8	1734.0
65°	1689.0	1758.3	1896.7	1972.9	2000.6	2073.2	2000.6	1972.9	1858.6	1706.4	1612.9
67.5°	1522.9	1581.8	1702.9	1775.6	1796.3	1827.5	1824.0	1792.9	1664.8	1561.0	1477.9
70°	1332.5	1384.5	1460.6	1547.1	1557.5	1595.6	1561.0	1554.1	1471.0	1329.1	1284.1
72.5°	1069.5	1118.0	1218.3	1256.4	1259.9	1273.7	1256.4	1232.2	1211.4	1062.6	1017.6
75°	820.3	848.0	896.4	931.1	931.1	948.4	938.0	913.7	858.4	764.9	719.9
77.5°	571.1	598.8	661.1	681.8	678.4	685.3	654.2	629.9	546.9	498.4	460.3
80°	415.3	432.6	463.8	477.6	481.1	491.5	453.4	432.6	384.2	328.8	311.5
82.5°	301.1	311.5	315.0	332.3	332.3	315.0	304.6	283.8	249.2	214.6	200.7
85°	124.6	128.1	131.5	152.3	155.8	186.9	173.1	162.7	141.9	121.1	110.8
87.5°	31.2	34.6	45.0	38.1	45.0	45.0	48.5	55.4	55.4	45.0	45.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1
2.5°	9438.6	9466.3	9819.3	9864.3	10037.4	10213.9	10570.4	10826.5	11034.2	11169.2	11207.3
5°	7988.4	8164.9	8327.6	8590.6	8829.4	9168.6	9559.7	10044.3	10653.5	10965.0	11089.6
7.5°	6254.3	6462.0	6697.4	6953.5	7303.1	7912.2	8434.9	8995.6	9774.3	10096.2	10584.2
10°	5105.2	5337.1	5648.6	5845.9	6268.2	6849.6	7458.8	8106.1	8850.2	9314.0	9878.2
12.5°	4513.4	4703.7	4991.0	5406.3	5721.3	6098.6	6552.0	7368.8	8434.9	8874.4	9262.1
15°	3859.2	4070.3	4402.6	4862.9	5240.2	5690.2	6198.9	7088.5	8223.7	8902.1	9230.9
17.5°	3319.3	3471.5	3821.1	4219.2	4651.8	5143.3	5873.6	7074.6	8445.2	9314.0	9850.5
20°	2945.5	2966.2	3156.6	3495.8	4084.2	4724.5	5672.9	7005.4	9154.8	10023.5	10701.9
22.5°	2710.1	2689.3	2692.8	2980.1	3391.9	4312.6	5357.9	7240.8	9961.2	11151.9	11608.8
25°	2592.4	2537.0	2502.4	2564.7	2938.5	3824.6	5119.1	7552.3	10830.0	12082.9	12643.6
27.5°	2530.1	2433.2	2364.0	2374.4	2647.8	3578.8	4970.2	7687.3	11691.8	13380.9	13578.2
30°	2505.9	2384.7	2284.4	2249.8	2429.7	3236.2	4651.8	7919.1	12463.7	14093.9	14263.5
32.5°	2419.4	2270.5	2173.6	2142.5	2215.1	2935.1	4423.4	8085.3	13145.5	14869.2	14810.3
35°	2319.0	2194.4	2073.2	2014.4	2066.3	2741.2	4239.9	8005.7	13948.5	15471.4	15440.3
37.5°	2308.6	2145.9	2045.5	1948.6	1945.2	2502.4	3990.7	8081.8	14460.8	16551.3	16125.6
40°	2218.6	2114.8	1983.2	1903.6	1858.6	2381.3	3748.4	7901.8	15211.8	16987.4	16568.6
42.5°	2222.1	2066.3	1952.1	1858.6	1813.7	2204.8	3582.3	7853.4	15474.9	17696.9	16776.3
45°	2166.7	2014.4	1917.5	1806.7	1782.5	2069.8	3423.1	7628.4	15938.7	17731.6	16516.7
47.5°	2111.3	1976.3	1872.5	1741.0	1685.6	2021.3	3298.5	7441.5	15696.4	17406.2	16156.7
50°	2073.2	1917.5	1820.6	1727.1	1571.4	1938.3	3135.8	7396.5	15357.2	16966.6	15488.7
52.5°	2007.5	1869.0	1768.7	1696.0	1446.8	1862.1	3073.5	7659.6	15772.5	16637.8	15294.9
55°	1945.2	1803.3	1675.2	1533.3	1342.9	1661.4	2900.5	7905.3	16378.2	17395.8	16174.0
57.5°	1879.4	1744.4	1606.0	1436.4	1242.6	1453.7	2720.5	7950.3	15243.0	16077.1	15353.7
60°	1792.9	1619.8	1516.0	1294.5	1135.3	1204.5	2156.3	7008.9	11823.3	13425.9	13450.1
62.5°	1696.0	1509.1	1419.1	1159.5	1024.5	1038.3	1758.3	5890.9	9590.9	11113.8	11774.9
65°	1567.9	1387.9	1280.6	1073.0	944.9	899.9	1287.6	4316.1	7285.8	9016.3	9767.4
67.5°	1401.8	1232.2	1097.2	934.5	844.5	771.8	879.1	2429.7	4302.2	6053.6	6282.0
70°	1225.3	1079.9	938.0	803.0	702.6	650.7	643.8	1076.4	2055.9	3257.0	3706.9
72.5°	965.7	861.8	747.6	647.2	581.5	505.3	460.3	446.5	695.7	1325.6	1831.0
75°	692.2	605.7	539.9	474.2	425.7	384.2	349.6	318.4	290.7	332.3	456.9
77.5°	436.1	405.0	353.0	335.7	308.0	297.7	283.8	266.5	245.7	231.9	231.9
80°	294.2	273.4	256.1	252.7	242.3	238.8	242.3	225.0	204.2	186.9	193.8
82.5°	197.3	193.8	190.4	186.9	190.4	193.8	200.7	197.3	180.0	169.6	173.1
85°	117.7	124.6	131.5	138.4	152.3	135.0	110.8	93.5	83.1	76.1	72.7
87.5°	45.0	62.3	55.4	51.9	55.4	51.9	48.5	45.0	38.1	34.6	34.6
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°	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1	10598.1
2.5°	11459.9	11529.1	11588.0	11574.1	11453.0	11290.3	11224.6	10888.8	10819.6	10774.6
5°	11615.7	12017.2	12103.7	12051.8	11736.8	11338.8	10951.1	10459.6	10172.4	10162.0
7.5°	11328.4	11823.3	11979.1	12096.8	11678.0	10985.7	10321.2	9584.0	9404.0	9417.8
10°	10598.1	11387.2	11771.4	11892.6	11411.5	10812.7	9892.0	9144.4	8760.2	8753.3
12.5°	10193.1	10812.7	10920.0	11089.6	10947.7	10342.0	9642.8	8805.2	8431.4	8424.5
15°	9833.2	10241.6	10272.7	10511.6	10587.7	10179.3	9708.6	8815.6	8514.5	8483.3
17.5°	10148.1	9864.3	9746.6	9777.8	10002.8	10151.6	10089.3	9404.0	9095.9	8922.9
20°	10359.3	9725.9	9369.4	9404.0	9670.5	10213.9	10656.9	10255.4	9767.4	9788.2
22.5°	10923.4	9746.6	9189.4	9151.3	9573.6	10539.3	11297.2	11331.9	10861.1	10746.9
25°	11768.0	9985.5	9134.0	9123.6	9528.6	10888.8	12044.9	12605.6	12124.5	11913.3
27.5°	12446.4	10359.3	9307.1	9341.7	9670.5	11172.6	12681.7	13425.9	13059.0	12799.4
30°	13041.7	10746.9	9549.4	9390.1	10051.2	11321.5	12955.1	14360.4	14066.2	13851.6
32.5°	13287.4	11297.2	9933.5	9670.5	10366.2	11501.5	13522.8	15267.2	15014.5	14485.0
35°	13702.8	11605.3	10141.2	10120.4	10916.5	11934.1	13789.3	15866.0	15762.2	15291.4
37.5°	14035.0	11916.8	10878.4	10650.0	11671.1	12660.9	14218.5	16693.2	16454.4	16232.9
40°	14291.2	12474.0	11567.2	11868.3	12598.6	13322.0	14613.0	16745.1	17433.9	16790.1
42.5°	14055.8	12972.5	12699.0	13418.9	14111.2	14076.6	14658.0	17146.6	17662.3	17326.6
45°	13997.0	13817.0	14488.4	15142.6	15301.8	14703.0	14336.2	16703.6	17593.1	17444.3
47.5°	13855.0	14647.7	15817.5	16883.6	16641.3	15121.8	13952.0	16624.0	17634.6	17368.1
50°	13806.6	14827.6	16800.5	17838.9	17693.5	15485.3	13772.0	16111.7	17340.4	17316.2
52.5°	13803.1	15198.0	17208.9	18358.0	18448.0	16059.8	14017.7	16371.3	17568.9	17773.1
55°	13958.9	15080.3	17157.0	18070.7	18036.1	15803.7	14045.4	16544.4	17849.2	18050.0
57.5°	13166.3	13508.9	14159.6	14883.0	14696.1	13090.1	12543.3	15294.9	16381.7	16236.3
60°	11369.9	10297.0	9563.2	9528.6	9165.2	8663.3	10265.8	13650.8	13650.8	13508.9
62.5°	9957.8	6759.7	5807.8	5537.9	5797.5	6375.5	9902.4	13277.0	12899.8	12737.1
65°	8708.3	5160.6	4198.4	4122.2	4572.2	5444.4	8954.0	11311.1	10646.5	10106.6
67.5°	5603.6	3779.6	3122.0	2987.0	3530.4	3997.6	5960.1	6956.9	6538.1	6327.0
70°	3613.5	2460.9	1737.5	1630.2	1841.3	2464.4	3807.3	4056.5	3447.3	3305.4
72.5°	1709.8	1062.6	609.2	501.9	564.2	941.4	1505.6	1619.8	1346.4	1232.2
75°	543.4	391.1	249.2	214.6	204.2	242.3	346.1	266.5	193.8	190.4
77.5°	242.3	231.9	197.3	166.1	145.4	121.1	100.4	83.1	86.5	90.0
80°	200.7	183.4	162.7	145.4	121.1	93.5	72.7	55.4	55.4	58.8
82.5°	176.5	159.2	141.9	121.1	103.8	76.1	55.4	38.1	34.6	34.6
85°	76.1	90.0	96.9	103.8	83.1	62.3	38.1	24.2	20.8	20.8
87.5°	31.2	27.7	24.2	20.8	17.3	17.3	13.8	10.4	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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