

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: P949372

Luminaire Tested: **GLAN-SB4A-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10877 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 114
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

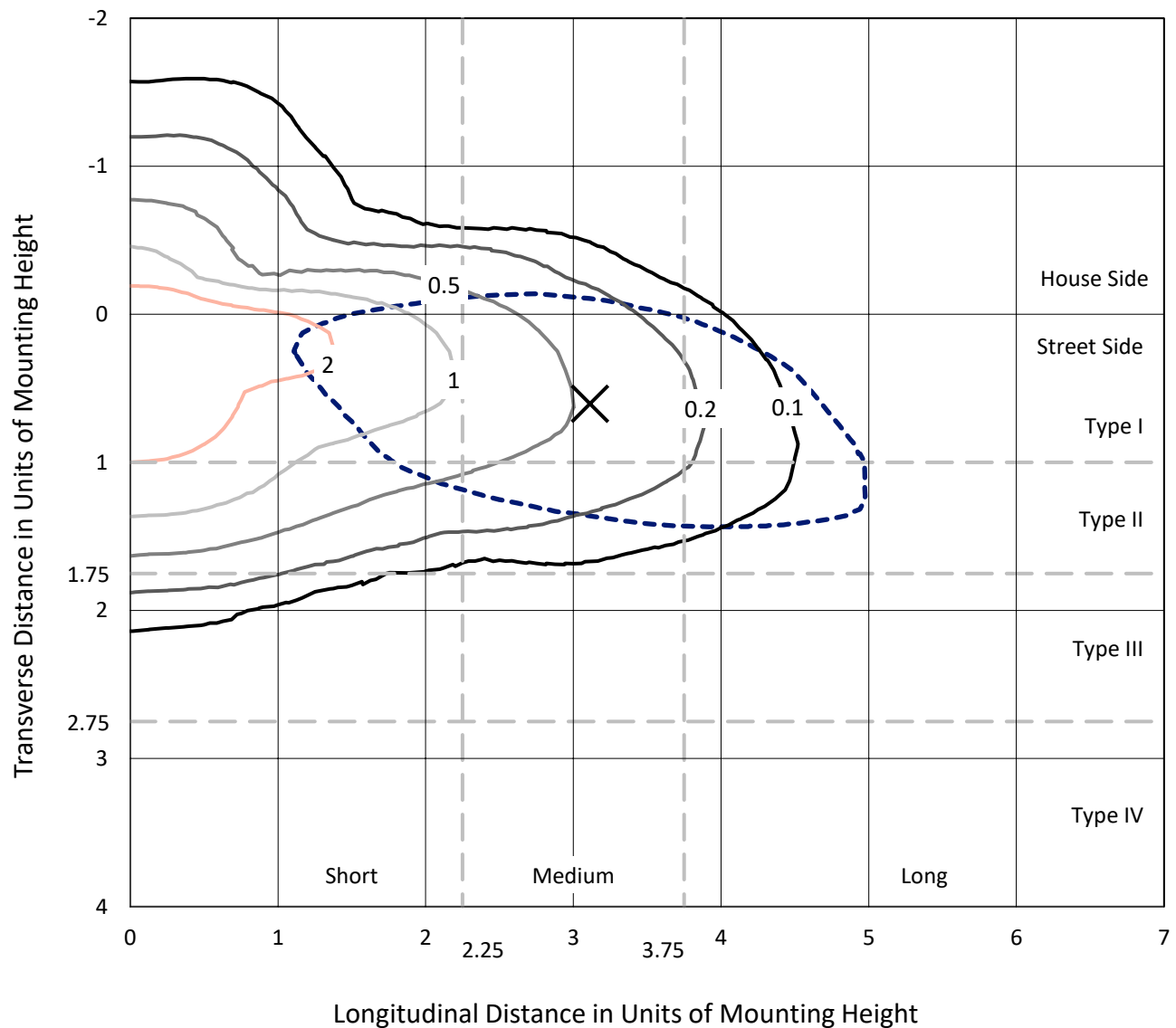


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Iso-Footcandle Lines of Horizontal Illumination

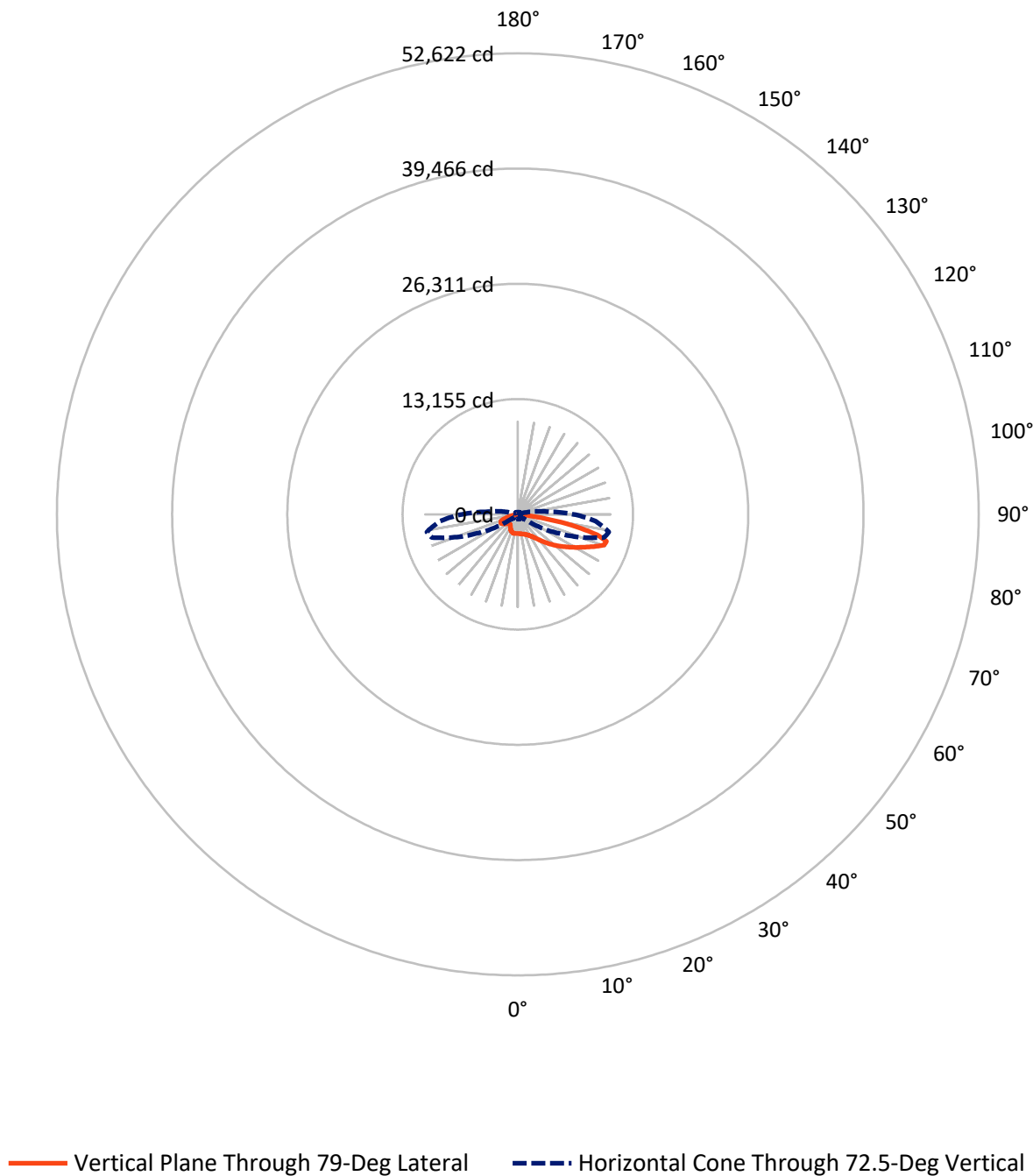
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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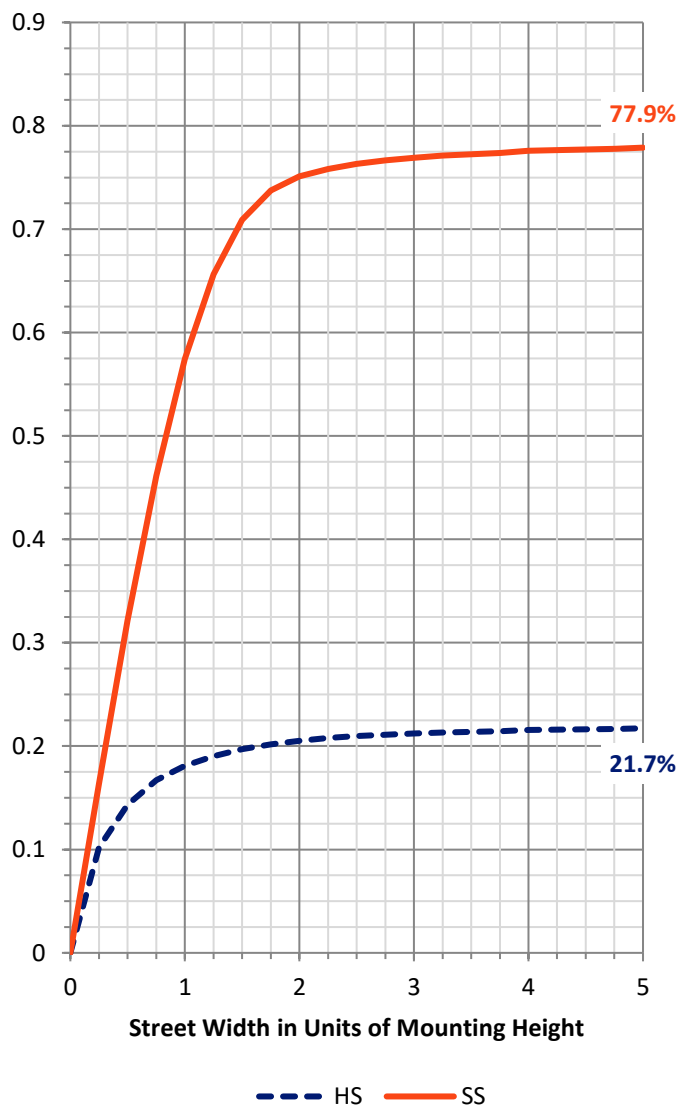
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2393.5	0.0	2393.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8483.5	0.0	8483.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	10877.0	0.0	10877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	1.8
10°-20°	518.2	4.8
20°-30°	836.1	7.7
30°-40°	1254.9	11.5
40°-50°	1780.2	16.4
50°-60°	2248.1	20.7
60°-70°	2283.3	21.0
70°-80°	1556.1	14.3
80°-90°	201.9	1.9
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°	10877.0	100.0
0°-180°	10877.0	100.0

Coefficient of Utilization



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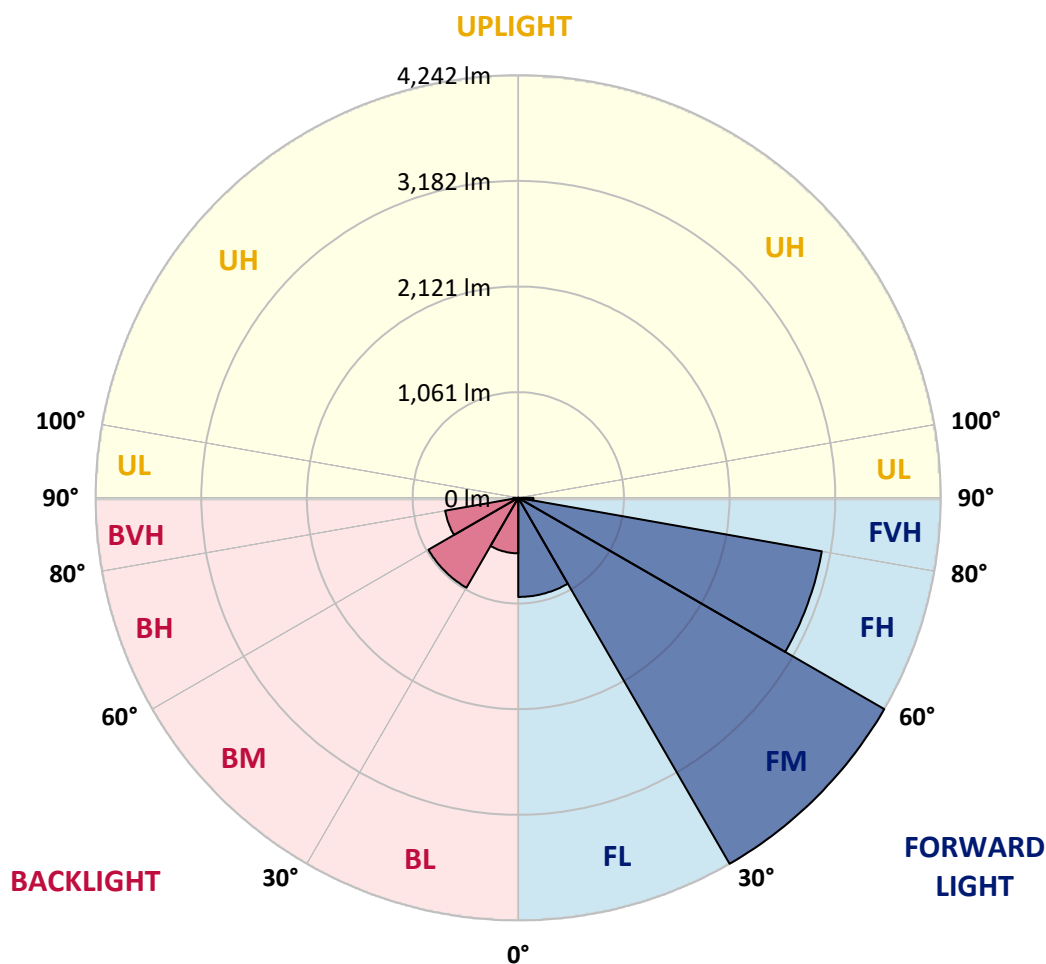
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	995.0	9.1			
FM	(30°-60°)	4242.3	39.0			
FH	(60°-80°)	3094.1	28.4			G2/5000
FVH	(80°-90°)	152.1	1.4			G2/225
BL	(0°-30°)	557.5	5.1	B2/1000		
BM	(30°-60°)	1040.9	9.6	B2/2500		
BH	(60°-80°)	745.3	6.9	B2/1000		G2/1000
BVH	(80°-90°)	49.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5
2.5°	2184.6	2174.2	2180.6	2178.3	2181.2	2184.6	2185.8	2187.5	2193.2	2192.7
5°	2180.0	2169.6	2178.3	2175.4	2182.9	2190.9	2197.8	2204.2	2213.4	2217.4
7.5°	2170.2	2163.3	2171.9	2180.6	2194.4	2206.5	2216.2	2230.6	2243.9	2246.2
10°	2113.3	2108.1	2128.2	2150.7	2188.6	2221.4	2242.7	2259.4	2273.8	2276.1
12.5°	2054.0	2047.7	2070.1	2100.6	2162.2	2221.4	2266.3	2288.2	2300.8	2308.3
15°	2044.2	2039.0	2051.7	2078.2	2129.4	2205.9	2282.4	2322.7	2333.6	2342.3
17.5°	2091.4	2081.6	2086.8	2096.0	2125.9	2191.5	2295.1	2361.8	2378.5	2387.7
20°	2200.7	2186.9	2178.9	2160.4	2155.3	2193.8	2293.9	2409.0	2430.9	2442.4
22.5°	2346.3	2337.1	2319.8	2273.2	2222.6	2222.0	2315.8	2469.4	2510.3	2521.2
25°	2522.3	2508.5	2486.7	2423.4	2326.1	2277.8	2352.6	2546.5	2615.0	2617.8
27.5°	2724.9	2704.1	2674.2	2590.8	2459.6	2365.3	2409.0	2635.1	2735.2	2734.1
30°	2938.3	2917.6	2886.0	2784.7	2619.6	2483.2	2487.2	2730.6	2877.9	2871.6
32.5°	3094.2	3078.7	3072.4	2994.1	2803.7	2622.4	2577.0	2836.5	3054.0	3048.2
35°	3213.9	3193.8	3201.2	3161.5	3004.5	2778.4	2686.9	2962.5	3268.0	3267.4
37.5°	3332.4	3314.6	3320.9	3294.5	3190.3	2976.3	2820.9	3116.7	3533.2	3545.9
40°	3440.6	3421.6	3446.9	3422.2	3334.7	3186.9	2973.4	3291.0	3840.5	3864.6
42.5°	3505.6	3490.7	3532.7	3533.2	3460.2	3364.6	3140.8	3483.2	4196.0	4250.1
45°	3528.0	3522.9	3586.2	3599.4	3571.2	3467.6	3291.6	3692.6	4579.2	4675.9
47.5°	3503.9	3494.1	3581.6	3630.5	3652.9	3516.0	3416.4	3919.3	4970.5	5112.0
50°	3381.9	3362.9	3493.0	3595.9	3675.9	3547.6	3542.4	4181.1	5415.2	5570.0
52.5°	3162.7	3148.3	3296.2	3475.1	3625.3	3563.1	3684.0	4467.0	5837.5	6037.7
55°	2882.5	2863.5	3026.3	3259.9	3499.3	3558.0	3825.5	4786.9	6335.8	6538.9
57.5°	2438.3	2400.4	2606.3	2882.5	3293.9	3551.6	3972.8	5105.1	6842.1	7085.4
60°	1790.5	1734.1	1986.7	2314.1	2892.3	3490.1	4155.2	5461.8	7449.6	7668.8
62.5°	1042.5	1009.7	1174.9	1480.4	2180.0	3127.6	4257.6	5876.6	8046.8	8277.0
65°	809.5	800.3	814.7	838.3	1213.4	2341.7	3941.7	6281.1	8806.3	8967.4
67.5°	740.5	733.6	739.9	695.6	615.6	1304.3	3118.4	6383.5	9619.9	9717.7
70°	658.2	650.1	670.9	632.9	484.4	593.2	2014.9	6011.8	10267.1	10450.7
72.5°	536.2	527.0	575.4	558.1	407.9	380.9	1012.0	5128.7	10199.2	10580.1
75°	412.0	406.8	464.3	478.7	332.6	299.8	485.6	3812.3	8975.5	9359.2
77.5°	319.9	315.9	345.2	397.6	268.1	232.4	298.6	2418.2	6763.8	6831.1
80°	239.9	228.4	255.5	307.8	208.9	169.7	202.5	1410.2	4275.4	3875.6
82.5°	150.2	144.4	166.9	205.4	147.3	116.8	131.8	779.0	1713.4	1009.2
85°	85.7	83.4	90.9	117.4	80.0	67.3	75.4	344.1	313.0	215.2
87.5°	34.5	33.4	41.4	52.4	29.3	24.7	26.5	82.9	69.0	63.9
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2183.5	0°	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5	2183.5
2192.1	2.5°	2189.8	2189.8	2181.7	2169.1	2154.7	2145.5	2130.5	2126.5	2111.0	2106.4
2211.6	5°	2216.2	2211.6	2186.9	2151.2	2102.3	2057.5	2008.0	1976.9	1933.2	1917.6
2250.2	7.5°	2249.6	2237.0	2194.4	2116.1	2013.7	1913.0	1808.3	1728.9	1653.0	1625.9
2281.8	10°	2280.1	2262.3	2189.8	2052.8	1875.6	1701.3	1534.5	1417.7	1329.1	1292.8
2316.9	12.5°	2310.6	2277.8	2159.3	1947.6	1679.4	1443.0	1265.2	1174.3	1119.6	1075.9
2345.7	15°	2339.4	2293.3	2112.1	1806.6	1464.3	1224.3	1093.2	1020.7	976.9	948.2
2387.7	17.5°	2372.7	2306.6	2041.3	1627.7	1259.4	1073.0	966.0	922.3	913.7	910.2
2445.2	20°	2419.3	2318.7	1948.1	1427.4	1108.7	952.2	897.0	892.9	892.4	890.6
2514.3	22.5°	2469.4	2333.0	1825.0	1245.6	980.4	876.8	867.1	859.0	853.8	853.2
2597.7	25°	2528.7	2337.6	1670.8	1096.6	871.1	841.2	829.7	817.6	814.1	814.1
2692.6	27.5°	2586.2	2322.1	1491.3	967.2	809.5	808.4	793.4	789.4	788.8	790.5
2800.8	30°	2643.7	2292.8	1312.9	847.5	773.8	773.8	768.7	771.5	773.8	779.6
2949.2	32.5°	2721.4	2261.7	1163.9	758.9	742.8	737.0	742.2	748.0	750.3	757.7
3144.3	35°	2835.3	2239.8	1045.4	710.6	710.6	703.1	706.0	704.8	699.6	696.2
3380.2	37.5°	2986.1	2238.7	947.6	688.1	683.5	682.4	682.9	675.5	655.3	631.2
3665.6	40°	3167.3	2269.8	872.2	672.6	669.1	676.0	672.6	652.4	597.2	555.2
4016.5	42.5°	3410.7	2358.4	823.9	653.6	664.0	672.6	658.8	589.2	551.8	523.6
4416.4	45°	3697.2	2502.2	799.2	633.5	654.2	664.5	597.8	567.3	537.4	503.4
4852.5	47.5°	4021.7	2683.4	793.4	614.5	632.3	638.6	571.9	558.1	524.1	487.3
5290.9	50°	4375.0	2898.0	808.9	592.0	600.7	578.8	563.3	550.6	515.5	479.3
5740.3	52.5°	4740.3	3134.5	840.0	561.5	569.0	544.9	559.8	548.9	510.3	461.4
6204.6	55°	5099.3	3372.7	869.9	525.9	536.8	514.4	550.0	542.0	486.7	431.5
6700.0	57.5°	5464.1	3609.7	899.3	494.2	505.7	485.0	534.5	523.6	460.3	403.9
7240.8	60°	5843.3	3839.9	913.1	463.7	471.8	458.0	510.9	491.9	430.4	375.7
7772.4	62.5°	6198.2	4031.5	890.6	433.2	438.4	432.7	479.8	454.5	400.4	344.1
8326.5	65°	6554.4	4145.4	821.6	403.3	404.5	401.6	436.1	414.3	365.3	316.4
8811.5	67.5°	6877.2	4209.3	711.7	371.1	368.2	367.1	395.3	370.5	331.4	288.8
9180.3	70°	6945.6	4047.0	543.7	333.1	333.1	330.3	350.4	325.1	294.0	259.5
8916.2	72.5°	6343.8	3404.3	386.1	290.0	294.6	288.8	305.5	284.2	256.0	233.0
7684.4	75°	5115.4	2496.4	280.8	245.7	253.7	243.9	259.5	244.5	220.4	219.8
5295.5	77.5°	3514.8	1543.7	203.7	202.5	208.3	195.6	213.5	205.4	183.5	173.8
2304.9	80°	1499.9	615.6	148.4	156.5	156.5	145.0	165.7	168.0	149.0	144.4
444.7	82.5°	298.6	174.9	104.1	107.6	101.3	97.8	117.4	130.0	179.5	199.6
134.1	85°	89.8	64.4	62.7	58.7	51.8	52.4	69.0	130.6	161.1	92.1
44.3	87.5°	24.7	16.1	16.7	13.2	10.9	14.4	23.6	99.0	54.1	23.0
0.0	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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180°
2183.5
2113.8
1929.1
1629.4
1300.9
1090.3
953.4
912.5
896.4
859.6
817.6
795.1
783.6
764.1
704.2
631.7
554.1
522.4
501.1
484.4
475.2
458.0
428.6
402.7
374.0
343.5
313.0
285.4
258.3
226.1
197.9
162.8
144.4
200.2
79.4
19.6
0.0