

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: P848483

Luminaire Tested: **GLAN-SB5A-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17909 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

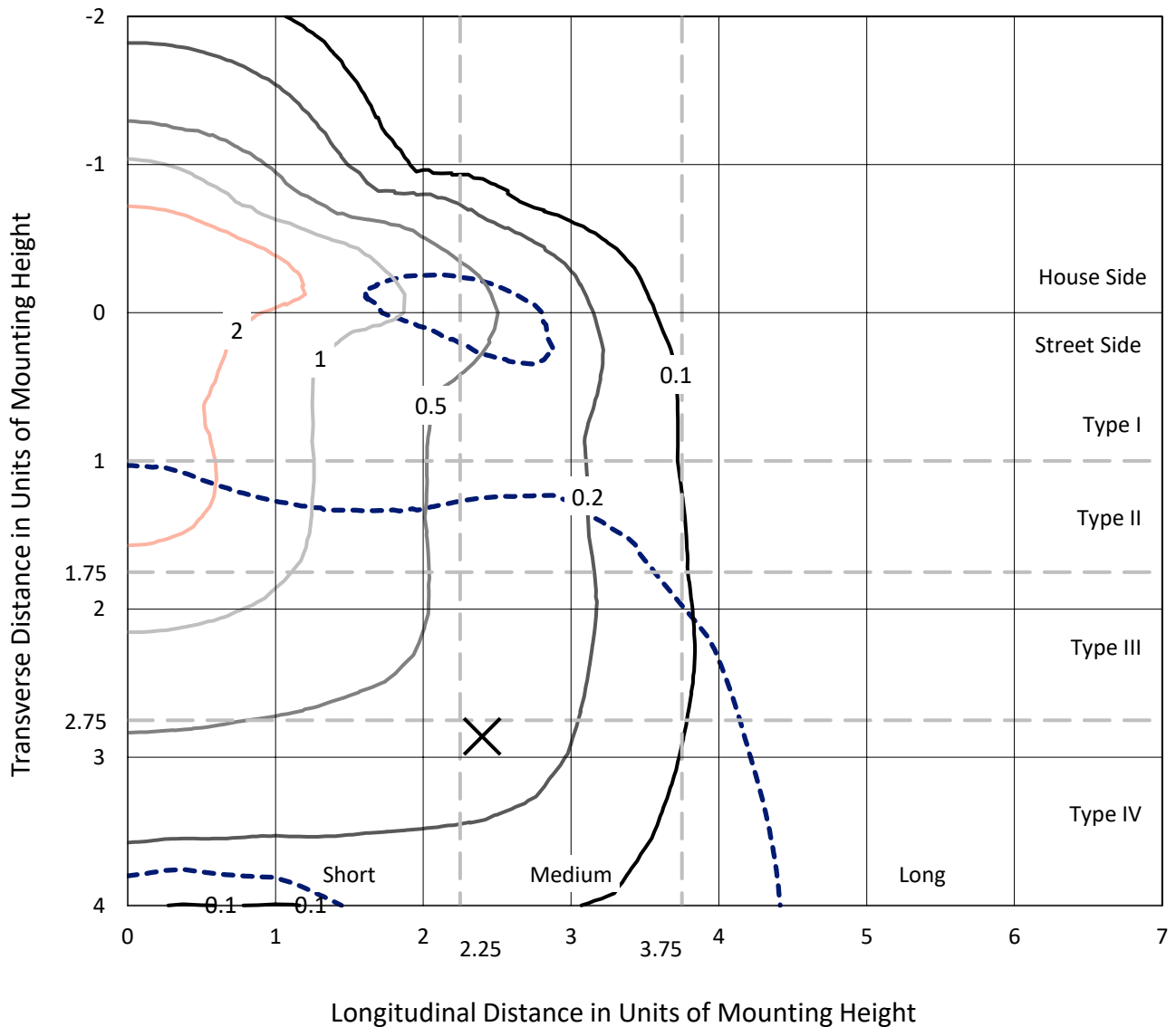
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

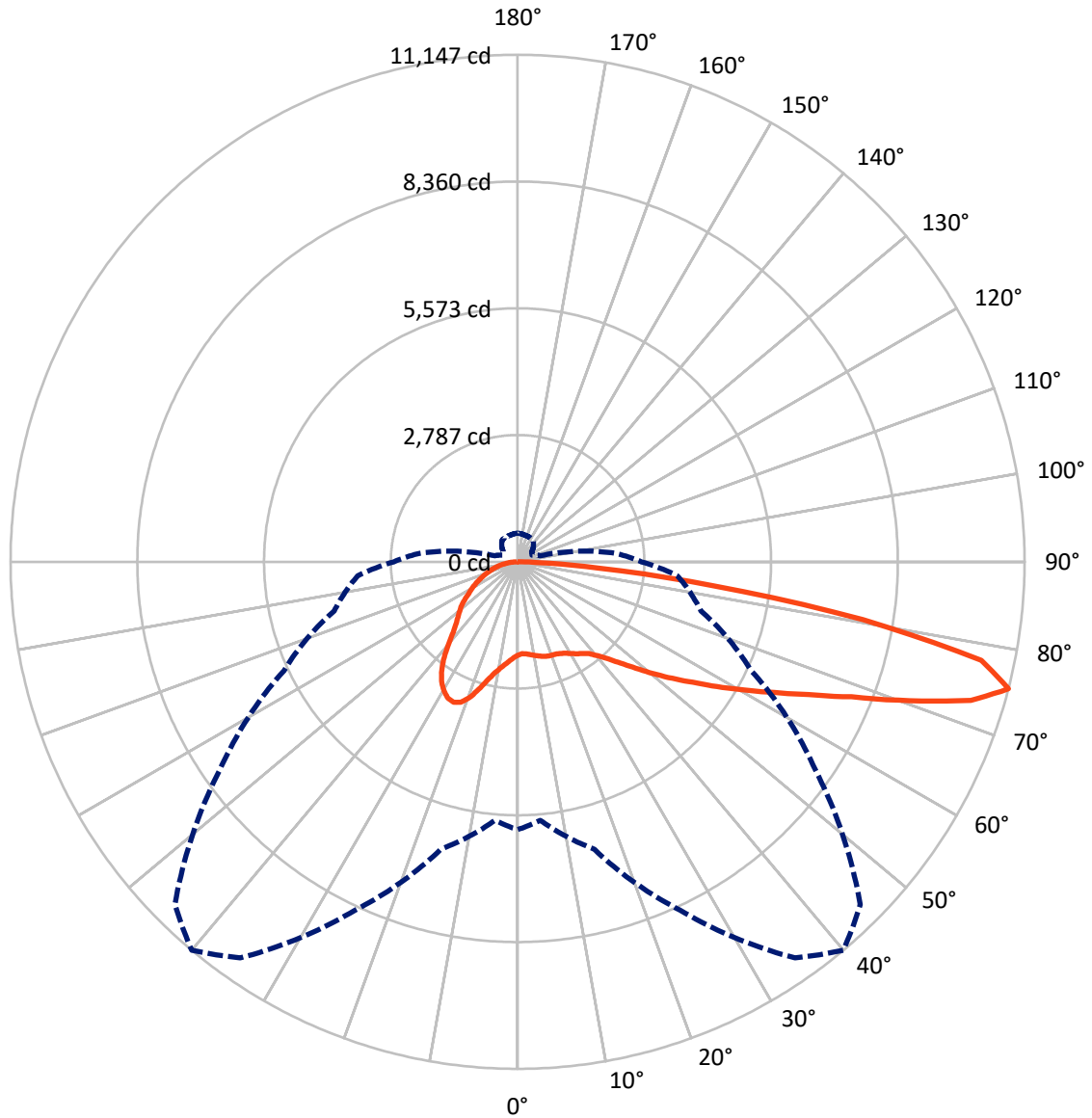
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5548.8	0.0	5548.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12360.2	0.0	12360.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	17909.0	0.0	17909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	1.1
10°-20°	686.3	3.8
20°-30°	1253.2	7.0
30°-40°	1777.4	9.9
40°-50°	2400.0	13.4
50°-60°	3228.6	18.0
60°-70°	4097.9	22.9
70°-80°	3719.1	20.8
80°-90°	542.1	3.0
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°	17909.0	100.0
0°-180°	17909.0	100.0

Coefficient of Utilization

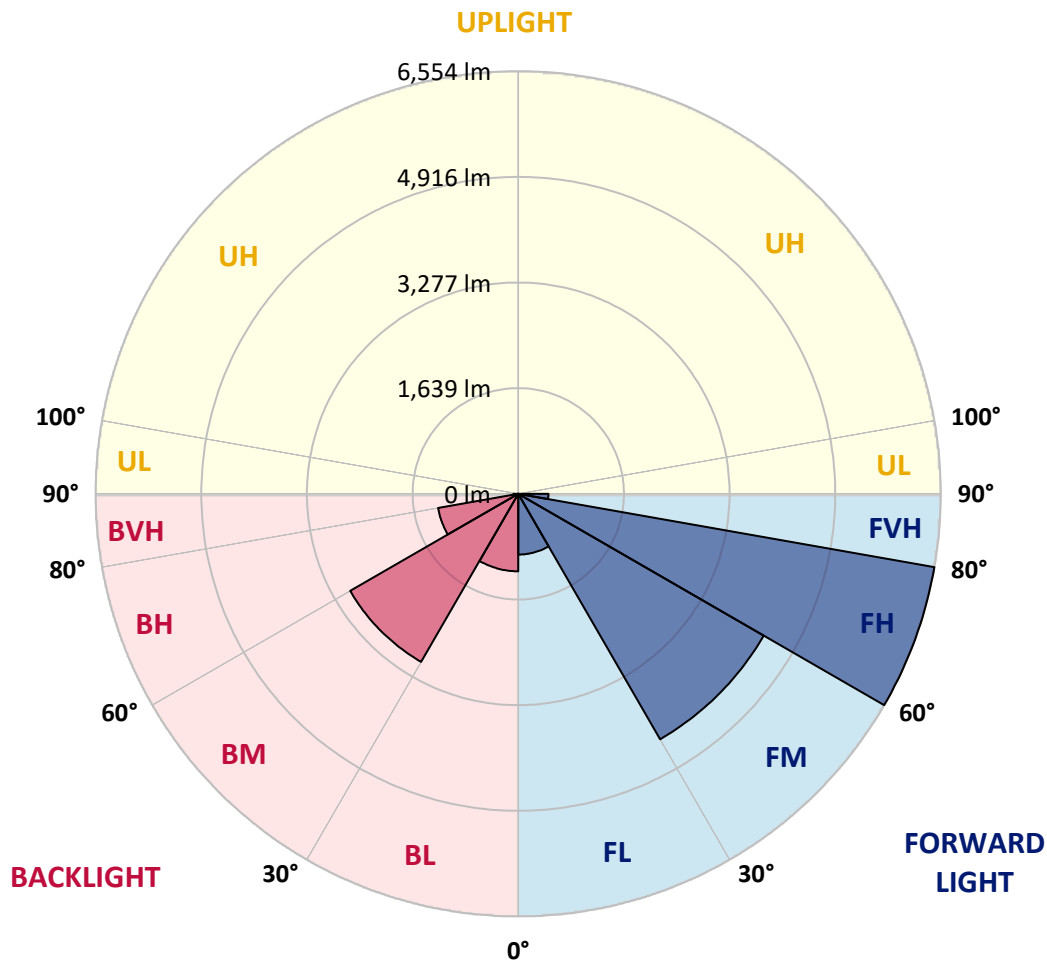


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.0	5.3			
FM (30°-60°)	4396.3	24.5			
FH (60°-80°)	6554.4	36.6			G3/7500
FVH (80°-90°)	467.5	2.6			G3/500
BL (0°-30°)	1201.9	6.7	B3/2500		
BM (30°-60°)	3009.7	16.8	B3/5000		
BH (60°-80°)	1262.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	74.6	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9
2.5°	2016.6	2028.0	2025.1	2021.3	2021.3	2022.3	2021.3	2028.0	2034.6	2041.3
5°	2037.5	2048.9	2043.2	2038.4	2034.6	2033.7	2030.8	2029.9	2033.7	2042.2
7.5°	2078.3	2089.7	2081.2	2072.6	2065.0	2061.2	2057.4	2051.7	2048.9	2053.6
10°	2123.9	2135.3	2124.9	2109.7	2097.3	2092.6	2088.8	2083.1	2079.3	2082.1
12.5°	2169.5	2180.9	2166.7	2145.8	2129.6	2126.8	2122.0	2120.1	2119.2	2118.2
15°	2212.2	2221.7	2203.7	2179.0	2161.9	2157.2	2152.4	2155.3	2160.0	2165.7
17.5°	2245.5	2255.0	2228.4	2196.1	2179.9	2178.1	2175.2	2184.7	2198.0	2212.2
20°	2275.9	2285.4	2251.2	2207.5	2188.5	2188.5	2189.4	2209.4	2228.4	2249.3
22.5°	2318.6	2326.2	2284.4	2224.6	2197.0	2198.9	2206.5	2226.5	2250.2	2278.7
25°	2382.3	2388.0	2336.7	2256.9	2225.5	2231.2	2237.9	2247.4	2270.2	2303.4
27.5°	2484.9	2489.6	2422.2	2313.9	2266.4	2275.9	2285.4	2278.7	2289.2	2317.7
30°	2629.2	2632.1	2546.6	2403.2	2335.7	2340.5	2342.4	2314.8	2294.9	2317.7
32.5°	2800.2	2799.3	2697.6	2511.5	2414.6	2409.8	2393.7	2339.5	2293.0	2312.9
35°	3065.2	3054.8	2923.7	2663.4	2503.9	2474.4	2436.4	2367.1	2302.5	2308.2
37.5°	3504.1	3471.8	3290.3	2912.3	2636.8	2561.8	2505.8	2411.7	2323.4	2306.3
40°	3998.9	3958.1	3758.6	3253.3	2836.3	2715.7	2625.4	2475.4	2357.6	2314.8
42.5°	4586.0	4528.0	4313.4	3655.1	3089.0	2914.2	2778.4	2556.1	2407.9	2342.4
45°	5306.9	5230.0	4926.0	4108.2	3407.2	3174.5	2993.0	2678.6	2484.9	2395.6
47.5°	6035.5	6054.5	5622.3	4626.8	3789.0	3495.5	3261.9	2862.9	2596.9	2481.1
50°	6809.6	6822.9	6314.7	5201.5	4222.2	3858.4	3563.9	3069.0	2752.7	2602.6
52.5°	7413.7	7415.6	6943.5	5802.8	4673.4	4257.3	3889.7	3304.6	2933.2	2764.1
55°	7791.8	7787.0	7384.3	6371.7	5192.0	4676.2	4250.7	3572.5	3153.6	2954.1
57.5°	8066.3	8052.0	7688.2	6860.9	5744.8	5171.1	4659.1	3876.4	3413.8	3180.2
60°	8170.8	8162.2	7894.4	7283.6	6326.1	5718.2	5130.2	4216.5	3709.2	3447.1
62.5°	8210.7	8226.8	8096.7	7693.0	6948.3	6324.2	5647.9	4623.0	4041.7	3749.1
65°	8351.3	8380.7	8354.1	8228.7	7651.2	7033.8	6334.7	5106.5	4404.5	4073.0
67.5°	8629.6	8659.0	8670.4	8869.9	8509.9	7918.1	7191.5	5708.7	4829.1	4409.3
70°	8622.9	8614.4	8815.7	9380.0	9585.1	9142.5	8346.5	6449.6	5335.4	4688.6
72.5°	7848.8	7780.4	8256.3	9374.3	10479.9	10421.0	9757.1	7405.2	5772.4	4722.7
75°	5888.2	5705.9	6546.5	8448.1	10629.0	11146.7	10653.7	7997.9	5668.8	4172.8
77.5°	2518.1	2334.8	3325.5	6253.9	9512.9	10420.1	9831.1	6977.7	4525.2	2759.4
80°	659.2	658.3	1005.0	2835.4	6469.6	7694.9	6750.7	4506.2	2585.5	986.0
82.5°	272.6	266.0	369.5	1102.8	3161.2	4318.1	3524.0	2009.9	933.7	266.9
85°	101.6	100.7	179.5	380.9	1115.1	1781.0	1289.0	513.9	232.7	130.1
87.5°	28.5	27.5	38.9	132.0	271.7	412.2	220.4	84.5	65.5	51.3
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°
2047.9	0°	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9
2051.7	2.5°	2054.6	2059.3	2067.9	2074.5	2083.1	2092.6	2105.9	2114.4	2123.0	2128.7
2056.5	5°	2063.1	2073.6	2095.4	2117.3	2142.9	2166.7	2194.2	2214.1	2230.3	2235.0
2073.6	7.5°	2082.1	2099.2	2136.3	2173.3	2214.1	2253.1	2293.0	2327.2	2354.7	2365.2
2104.0	10°	2115.4	2138.2	2190.4	2242.6	2296.8	2356.6	2407.9	2457.3	2496.3	2512.4
2140.1	12.5°	2157.2	2185.6	2254.0	2326.2	2401.3	2483.9	2550.4	2611.2	2659.6	2681.5
2190.4	15°	2211.3	2248.3	2335.7	2432.6	2542.8	2657.7	2742.3	2809.7	2863.9	2890.5
2242.6	17.5°	2270.2	2319.6	2429.8	2576.0	2733.7	2884.8	2983.5	3032.9	3089.0	3114.6
2291.1	20°	2327.2	2388.0	2545.6	2758.4	2968.3	3128.9	3208.7	3222.0	3225.8	3228.6
2336.7	22.5°	2386.1	2467.8	2691.0	2988.3	3213.4	3324.5	3335.9	3278.9	3199.2	3162.1
2381.3	25°	2450.7	2558.9	2881.0	3241.9	3424.3	3437.6	3350.2	3211.5	3060.5	2991.1
2417.4	27.5°	2513.4	2664.4	3108.9	3484.1	3576.3	3459.4	3271.3	3074.7	2892.4	2819.2
2443.1	30°	2576.0	2785.0	3360.6	3695.9	3645.6	3405.3	3146.9	2927.5	2744.2	2667.2
2465.9	32.5°	2639.7	2925.6	3650.3	3848.9	3633.2	3290.3	2992.1	2762.2	2600.7	2520.0
2485.8	35°	2711.9	3098.5	3924.9	3932.5	3550.6	3121.3	2787.9	2564.6	2424.1	2359.5
2509.6	37.5°	2805.9	3317.9	4167.1	3953.4	3406.2	2873.4	2534.3	2331.0	2215.1	2185.6
2544.7	40°	2922.7	3582.0	4352.3	3920.1	3192.5	2572.2	2256.9	2094.5	2028.9	2035.6
2592.2	42.5°	3074.7	3877.4	4482.4	3834.6	2895.2	2261.6	2013.7	1941.5	1972.9	1999.5
2663.4	45°	3272.3	4184.2	4563.2	3689.3	2558.9	1998.5	1870.3	1887.4	1911.1	1914.0
2778.4	47.5°	3525.0	4494.8	4616.4	3469.9	2216.0	1813.3	1779.1	1782.9	1778.2	1758.2
2950.3	50°	3840.3	4796.8	4663.9	3179.2	1924.4	1697.4	1651.8	1638.5	1573.0	1508.4
3179.2	52.5°	4199.4	5074.2	4683.8	2818.3	1697.4	1600.5	1526.4	1442.9	1320.3	1300.4
3467.0	55°	4598.3	5330.7	4632.5	2374.7	1506.5	1476.1	1364.0	1263.3	1250.0	1232.9
3846.0	57.5°	5075.2	5607.1	4528.0	1879.8	1310.8	1330.8	1221.5	1232.9	1209.2	1182.6
4333.3	60°	5596.6	5893.0	4344.7	1428.6	1108.5	1149.3	1184.5	1183.5	1176.9	1155.0
4847.2	62.5°	6065.9	6081.1	3983.8	1094.2	930.9	1008.8	1104.7	1103.7	1098.0	1085.7
5383.9	65°	6345.1	6052.6	3381.5	861.5	784.6	892.9	996.4	1004.0	1005.0	1004.0
5787.6	67.5°	6295.7	5719.2	2555.1	685.8	664.0	775.1	889.1	899.5	907.1	909.0
5838.8	70°	5737.2	4986.8	1666.1	547.1	556.6	671.6	787.4	797.9	804.5	812.1
5066.6	72.5°	4472.0	3666.5	953.7	442.6	462.6	582.3	686.8	699.1	702.9	717.2
3525.9	75°	2725.2	2156.2	514.8	348.6	379.9	497.7	587.0	601.3	607.9	625.0
1731.6	77.5°	1295.6	933.7	293.5	271.7	305.9	406.5	495.8	512.0	493.9	503.4
477.8	80°	437.9	346.7	185.2	207.1	233.7	317.3	397.0	413.2	375.2	373.3
158.6	82.5°	152.9	140.6	117.8	137.7	151.0	227.0	300.2	321.1	279.3	278.3
71.2	85°	59.8	57.0	65.5	75.0	90.2	139.6	197.6	208.0	171.9	138.7
20.9	87.5°	12.3	13.3	16.1	17.1	27.5	48.4	71.2	87.4	69.3	58.9
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°
2047.9
2124.9
2236.9
2366.1
2513.4
2681.5
2888.6
3113.7
3236.2
3172.6
3001.6
2827.8
2675.8
2530.5
2373.7
2206.5
2058.4
2024.2
1933.0
1773.4
1516.9
1307.0
1235.8
1177.8
1147.4
1081.0
1004.0
910.9
815.9
722.9
626.9
495.8
369.5
265.0
136.8
54.1
0.0

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