

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: P849213

Luminaire Tested: **GLAN-SB6A-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849213
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-SB6A-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 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: 17365 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

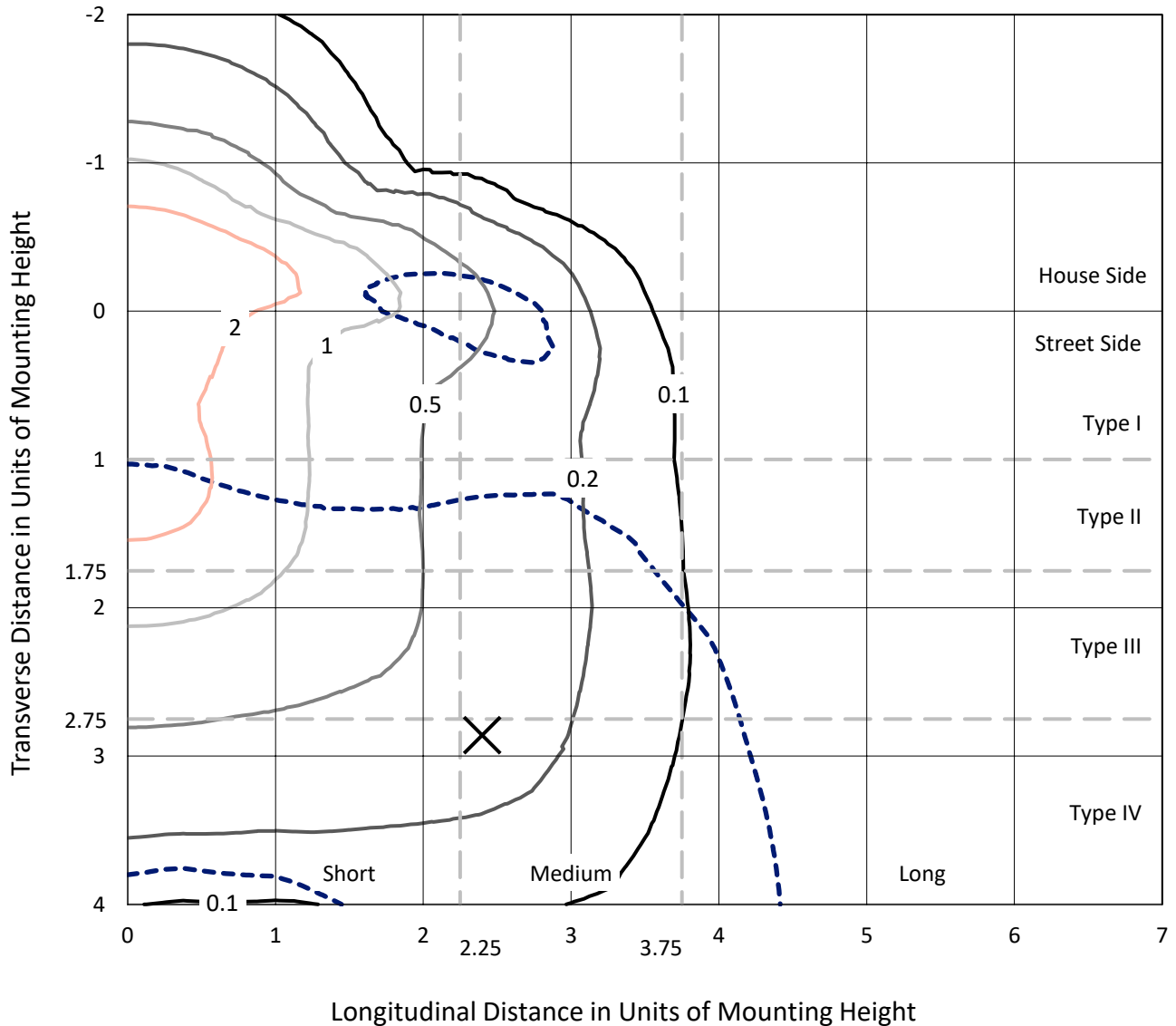
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

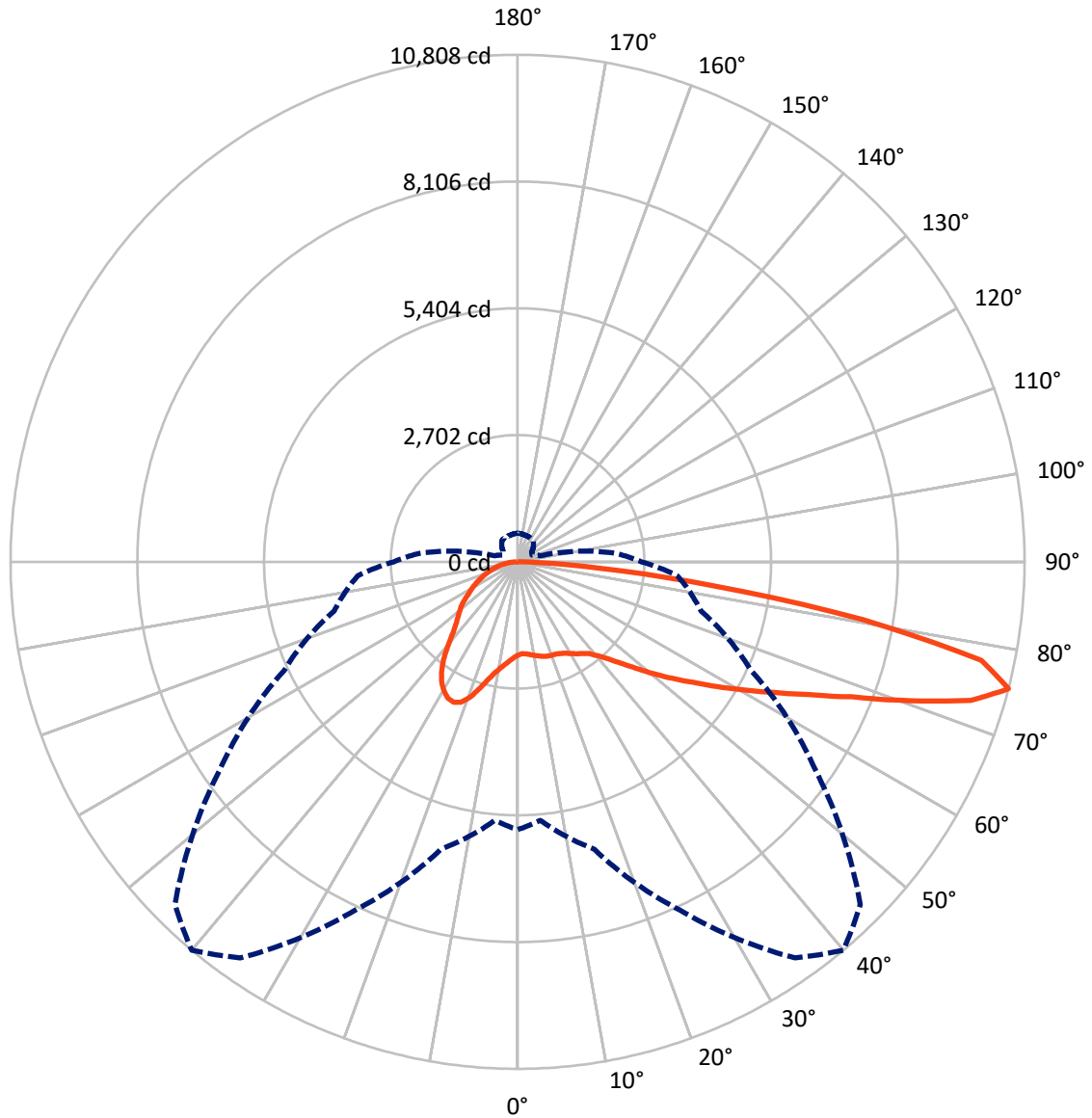
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	5380.3	0.0	5380.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11984.8	0.0	11984.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	17365.0	0.0	17365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	1.1
10°-20°	665.5	3.8
20°-30°	1215.1	7.0
30°-40°	1723.4	9.9
40°-50°	2327.1	13.4
50°-60°	3130.6	18.0
60°-70°	3973.4	22.9
70°-80°	3606.1	20.8
80°-90°	525.7	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°	17365.0	100.0
0°-180°	17365.0	100.0

Coefficient of Utilization

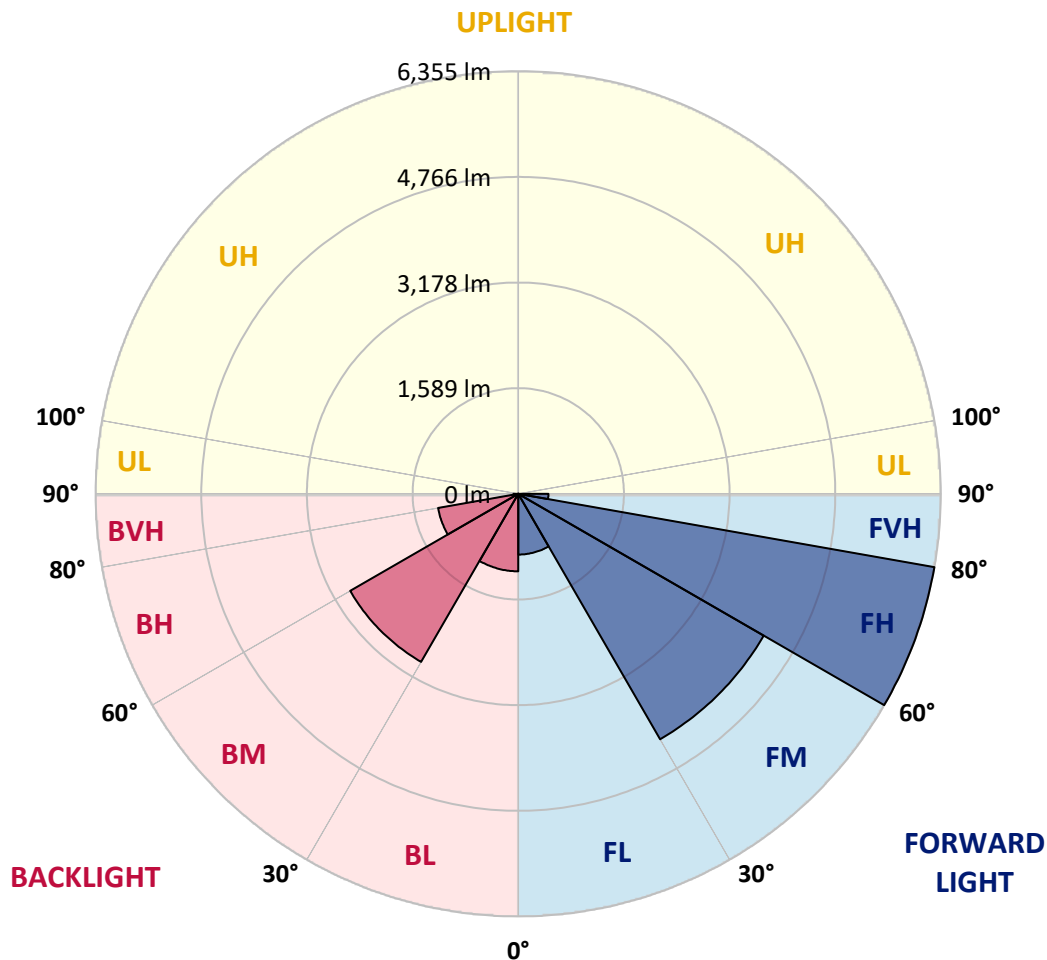


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	913.4	5.3			
FM (30°-60°)	4262.7	24.5			
FH (60°-80°)	6355.3	36.6			G3/7500
FVH (80°-90°)	453.3	2.6			G3/500
BL (0°-30°)	1165.4	6.7	B3/2500		
BM (30°-60°)	2918.3	16.8	B3/5000		
BH (60°-80°)	1224.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	72.4	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°	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7
2.5°	1955.3	1966.4	1963.6	1959.9	1959.9	1960.8	1959.9	1966.4	1972.8	1979.3
5°	1975.6	1986.6	1981.1	1976.5	1972.8	1971.9	1969.1	1968.2	1971.9	1980.2
7.5°	2015.2	2026.2	2017.9	2009.7	2002.3	1998.6	1994.9	1989.4	1986.6	1991.2
10°	2059.4	2070.4	2060.3	2045.6	2033.6	2029.0	2025.3	2019.8	2016.1	2018.9
12.5°	2103.6	2114.7	2100.8	2080.6	2064.9	2062.2	2057.6	2055.7	2054.8	2053.9
15°	2145.0	2154.3	2136.8	2112.8	2096.2	2091.6	2087.0	2089.8	2094.4	2099.9
17.5°	2177.3	2186.5	2160.7	2129.4	2113.7	2111.9	2109.1	2118.3	2131.2	2145.0
20°	2206.8	2216.0	2182.8	2140.4	2122.0	2122.0	2122.9	2142.3	2160.7	2181.0
22.5°	2248.2	2255.6	2215.0	2157.0	2130.3	2132.2	2139.5	2158.9	2181.9	2209.5
25°	2309.9	2315.4	2265.7	2188.3	2157.9	2163.5	2169.9	2179.1	2201.2	2233.5
27.5°	2409.4	2414.0	2348.6	2243.6	2197.5	2206.8	2216.0	2209.5	2219.6	2247.3
30°	2549.4	2552.1	2469.2	2330.2	2264.8	2269.4	2271.2	2244.5	2225.2	2247.3
32.5°	2715.2	2714.2	2615.7	2435.2	2341.2	2336.6	2321.0	2268.5	2223.3	2242.7
35°	2972.1	2962.0	2834.9	2582.5	2427.8	2399.2	2362.4	2295.2	2232.5	2238.1
37.5°	3397.6	3366.3	3190.4	2823.8	2556.7	2484.0	2429.6	2338.5	2252.8	2236.2
40°	3877.5	3837.9	3644.5	3154.5	2750.2	2633.2	2545.7	2400.2	2286.0	2244.5
42.5°	4446.7	4390.5	4182.3	3544.1	2995.1	2825.7	2694.0	2478.5	2334.8	2271.2
45°	5145.7	5071.1	4776.4	3983.4	3303.7	3078.0	2902.1	2597.3	2409.4	2322.8
47.5°	5852.1	5870.6	5451.5	4486.3	3673.9	3389.3	3162.8	2775.9	2518.1	2405.7
50°	6602.8	6615.7	6122.9	5043.5	4093.9	3741.2	3455.7	2975.8	2669.1	2523.6
52.5°	7188.5	7190.4	6732.6	5626.5	4531.4	4128.0	3771.6	3204.2	2844.1	2680.2
55°	7555.1	7550.5	7160.0	6178.2	5034.3	4534.2	4121.5	3463.9	3057.8	2864.4
57.5°	7821.3	7807.5	7454.7	6652.5	5570.3	5014.0	4517.6	3758.7	3310.1	3083.6
60°	7922.6	7914.3	7654.6	7062.4	6134.0	5544.5	4974.4	4088.4	3596.6	3342.4
62.5°	7961.3	7976.9	7850.7	7459.3	6737.2	6132.1	5476.4	4482.6	3918.9	3635.3
65°	8097.6	8126.1	8100.3	7978.8	7418.8	6820.1	6142.3	4951.4	4270.8	3949.3
67.5°	8367.4	8396.0	8407.0	8600.4	8251.4	7677.6	6973.0	5535.3	4682.4	4275.4
70°	8361.0	8352.7	8548.0	9095.0	9294.0	8864.8	8093.0	6253.7	5173.3	4546.1
72.5°	7610.4	7544.0	8005.5	9089.5	10161.6	10104.5	9460.7	7180.2	5597.0	4579.3
75°	5709.4	5532.5	6347.6	8191.5	10306.2	10808.1	10330.1	7755.0	5496.6	4046.0
77.5°	2441.6	2263.9	3224.5	6064.0	9224.0	10103.5	9532.5	6765.8	4387.7	2675.6
80°	639.2	638.3	974.4	2749.2	6273.0	7461.2	6545.7	4369.3	2507.0	956.0
82.5°	264.3	257.9	358.3	1069.3	3065.1	4186.9	3417.0	1948.9	905.4	258.8
85°	98.5	97.6	174.1	369.3	1081.3	1726.9	1249.8	498.3	225.6	126.2
87.5°	27.6	26.7	37.8	128.0	263.4	399.7	213.7	82.0	63.6	49.7
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°
1985.7	0°	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7
1989.4	2.5°	1992.2	1996.8	2005.1	2011.5	2019.8	2029.0	2041.9	2050.2	2058.5	2064.0
1994.0	5°	2000.4	2010.6	2031.8	2052.9	2077.8	2100.8	2127.5	2146.9	2162.5	2167.2
2010.6	7.5°	2018.9	2035.4	2071.4	2107.3	2146.9	2184.7	2223.3	2256.5	2283.2	2293.3
2040.1	10°	2051.1	2073.2	2123.9	2174.5	2227.0	2285.0	2334.8	2382.7	2420.4	2436.1
2075.0	12.5°	2091.6	2119.3	2185.6	2255.6	2328.3	2408.5	2472.9	2531.9	2578.8	2600.0
2123.9	15°	2144.1	2180.0	2264.8	2358.7	2465.6	2577.0	2659.0	2724.4	2776.9	2802.7
2174.5	17.5°	2201.2	2249.1	2356.0	2497.8	2650.7	2797.1	2892.9	2940.8	2995.1	3020.0
2221.5	20°	2256.5	2315.4	2468.3	2674.6	2878.2	3033.8	3111.2	3124.1	3127.8	3130.5
2265.7	22.5°	2313.6	2392.8	2609.2	2897.5	3115.8	3223.6	3234.6	3179.3	3102.0	3066.1
2309.0	25°	2376.2	2481.2	2793.4	3143.4	3320.3	3333.2	3248.4	3114.0	2967.5	2900.3
2344.0	27.5°	2437.0	2583.5	3014.5	3378.3	3467.6	3354.3	3172.0	2981.3	2804.5	2733.6
2368.9	30°	2497.8	2700.4	3258.6	3583.7	3534.9	3301.8	3051.3	2838.6	2660.8	2586.2
2391.0	32.5°	2559.5	2836.7	3539.5	3732.0	3522.9	3190.4	2901.2	2678.3	2521.7	2443.5
2410.3	35°	2629.5	3004.4	3805.6	3813.0	3442.8	3026.5	2703.2	2486.7	2350.4	2287.8
2433.3	37.5°	2720.7	3217.1	4040.5	3833.3	3302.8	2786.1	2457.3	2260.2	2147.8	2119.3
2467.4	40°	2834.0	3473.2	4220.1	3801.0	3095.5	2494.1	2188.3	2030.8	1967.3	1973.7
2513.5	42.5°	2981.3	3759.6	4346.3	3718.1	2807.3	2192.9	1952.6	1882.6	1913.0	1938.7
2582.5	45°	3172.9	4057.1	4424.6	3577.2	2481.2	1937.8	1813.5	1830.1	1853.1	1855.8
2694.0	47.5°	3417.9	4358.2	4476.1	3364.5	2148.7	1758.2	1725.1	1728.7	1724.1	1704.8
2860.7	50°	3723.7	4651.1	4522.2	3082.6	1866.0	1645.9	1601.6	1588.8	1525.2	1462.6
3082.6	52.5°	4071.8	4920.1	4541.5	2732.7	1645.9	1551.9	1480.1	1399.0	1280.2	1260.9
3361.7	55°	4458.6	5168.7	4491.8	2302.5	1460.7	1431.3	1322.6	1225.0	1212.1	1195.5
3729.2	57.5°	4921.0	5436.8	4390.5	1822.7	1271.0	1290.3	1184.4	1195.5	1172.5	1146.7
4201.7	60°	5426.6	5714.0	4212.7	1385.2	1074.8	1114.4	1148.5	1147.6	1141.1	1120.0
4699.9	62.5°	5881.6	5896.3	3862.7	1061.0	902.6	978.1	1071.1	1070.2	1064.7	1052.7
5220.3	65°	6152.4	5868.7	3278.8	835.4	760.8	865.8	966.1	973.5	974.4	973.5
5611.8	67.5°	6104.5	5545.4	2477.5	665.0	643.8	751.5	862.1	872.2	879.6	881.4
5661.5	70°	5562.9	4835.3	1615.5	530.5	539.7	651.2	763.5	773.7	780.1	787.5
4912.7	72.5°	4336.1	3555.1	924.7	429.2	448.5	564.6	665.9	677.9	681.6	695.4
3418.8	75°	2642.4	2090.7	499.2	338.0	368.4	482.6	569.2	583.0	589.5	606.0
1679.0	77.5°	1256.3	905.4	284.6	263.4	296.6	394.2	480.8	496.4	478.9	488.1
463.3	80°	424.6	336.2	179.6	200.8	226.6	307.6	385.0	400.6	363.8	362.0
153.8	82.5°	148.3	136.3	114.2	133.5	146.4	220.1	291.0	311.3	270.8	269.9
69.1	85°	58.0	55.3	63.6	72.8	87.5	135.4	191.6	201.7	166.7	134.5
20.3	87.5°	12.0	12.9	15.7	16.6	26.7	47.0	69.1	84.7	67.2	57.1
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°
1985.7
2060.3
2169.0
2294.3
2437.0
2600.0
2800.8
3019.1
3137.9
3076.2
2910.4
2741.9
2594.5
2453.6
2301.6
2139.5
1995.8
1962.7
1874.3
1719.5
1470.9
1267.3
1198.2
1142.1
1112.6
1048.1
973.5
883.3
791.2
700.9
607.9
480.8
358.3
257.0
132.6
52.5
0.0

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