

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: P848706

Luminaire Tested: **GLAN-SB5B-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18150 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

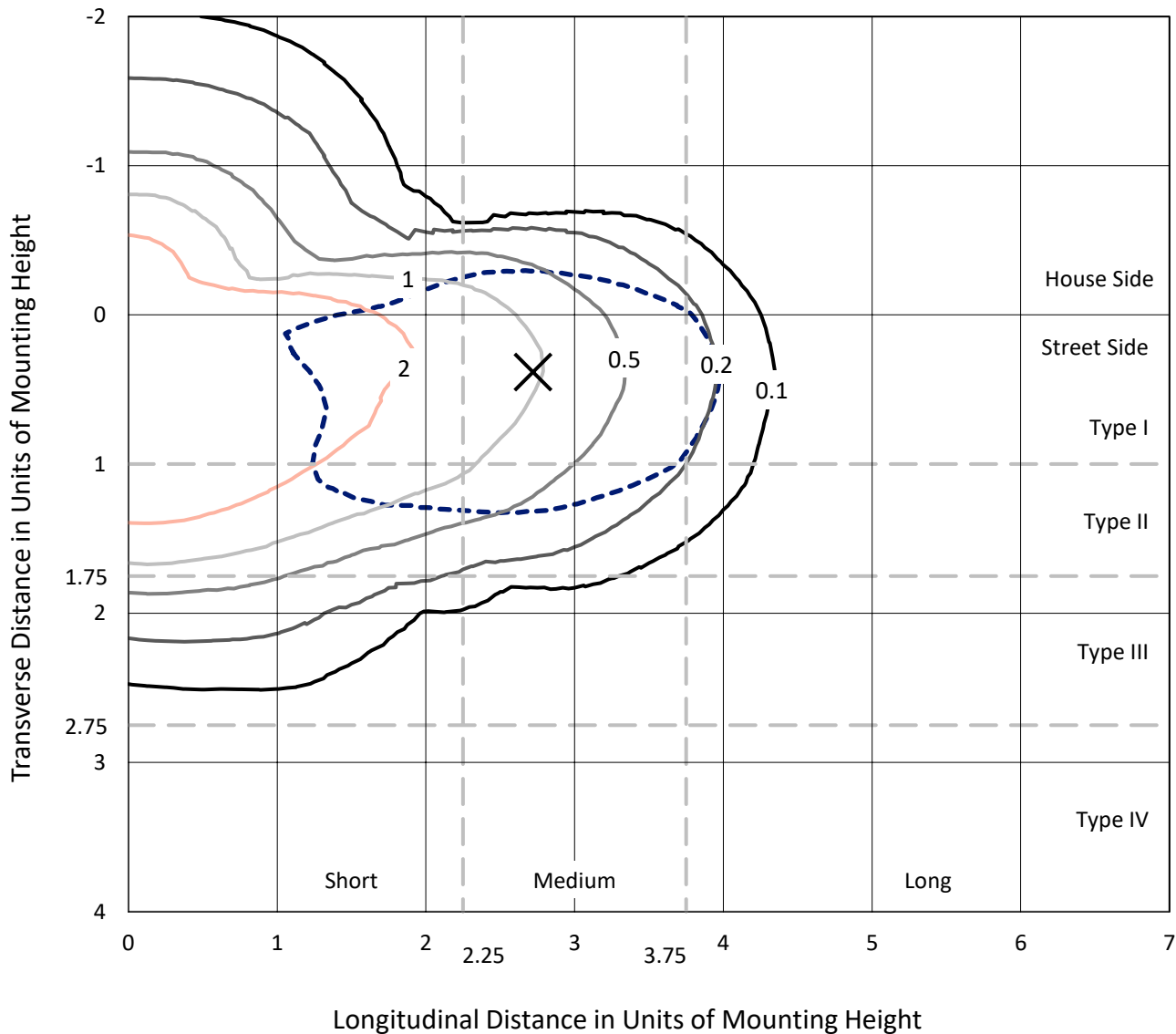
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

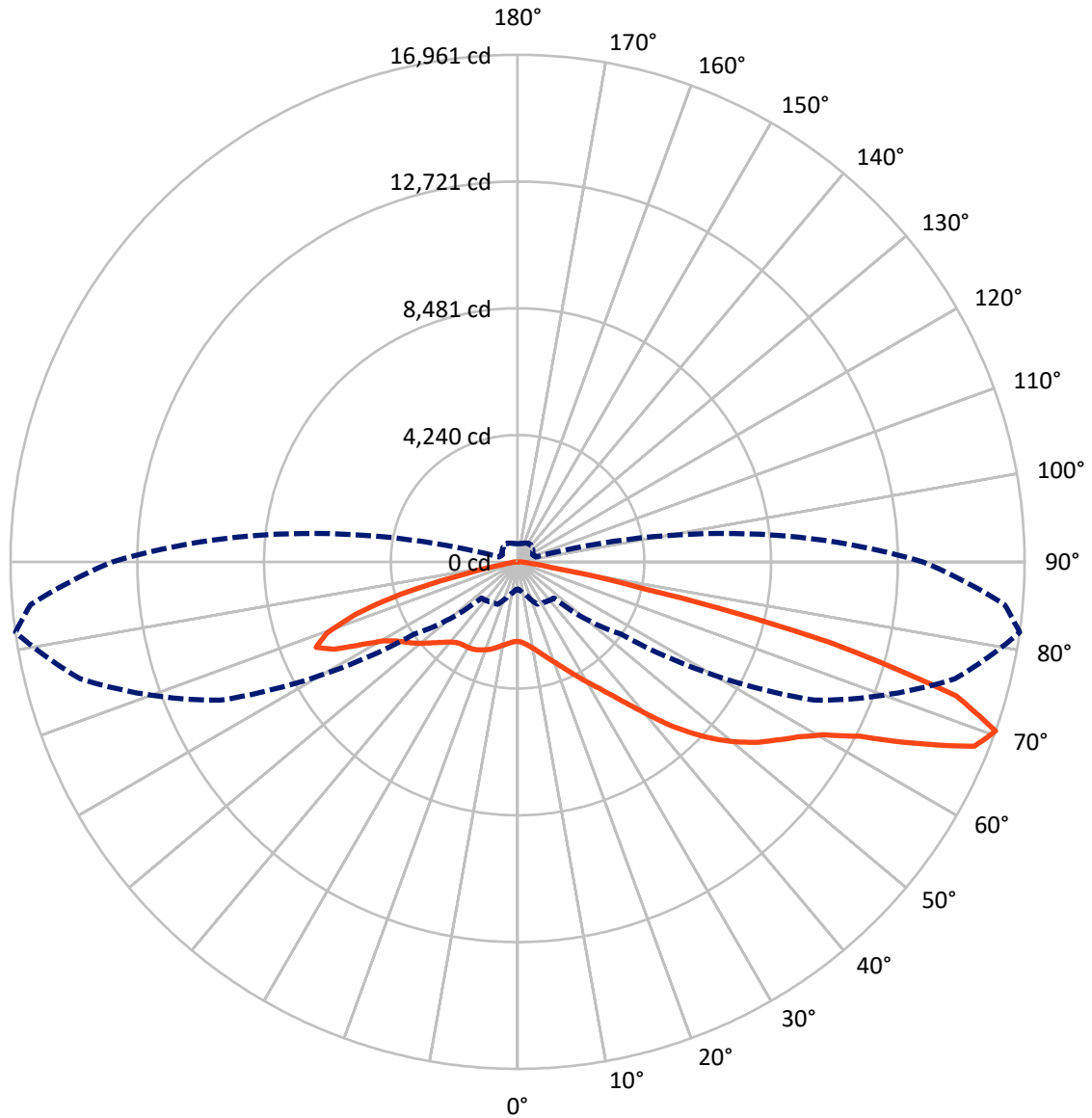
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4474.4	0.0	4474.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13675.6	0.0	13675.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	18150.0	0.0	18150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	1.4
10°-20°	721.8	4.0
20°-30°	1207.6	6.7
30°-40°	1886.5	10.4
40°-50°	3004.5	16.6
50°-60°	4181.2	23.0
60°-70°	4373.7	24.1
70°-80°	2285.9	12.6
80°-90°	237.4	1.3
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°	18150.0	100.0
0°-180°	18150.0	100.0

Coefficient of Utilization



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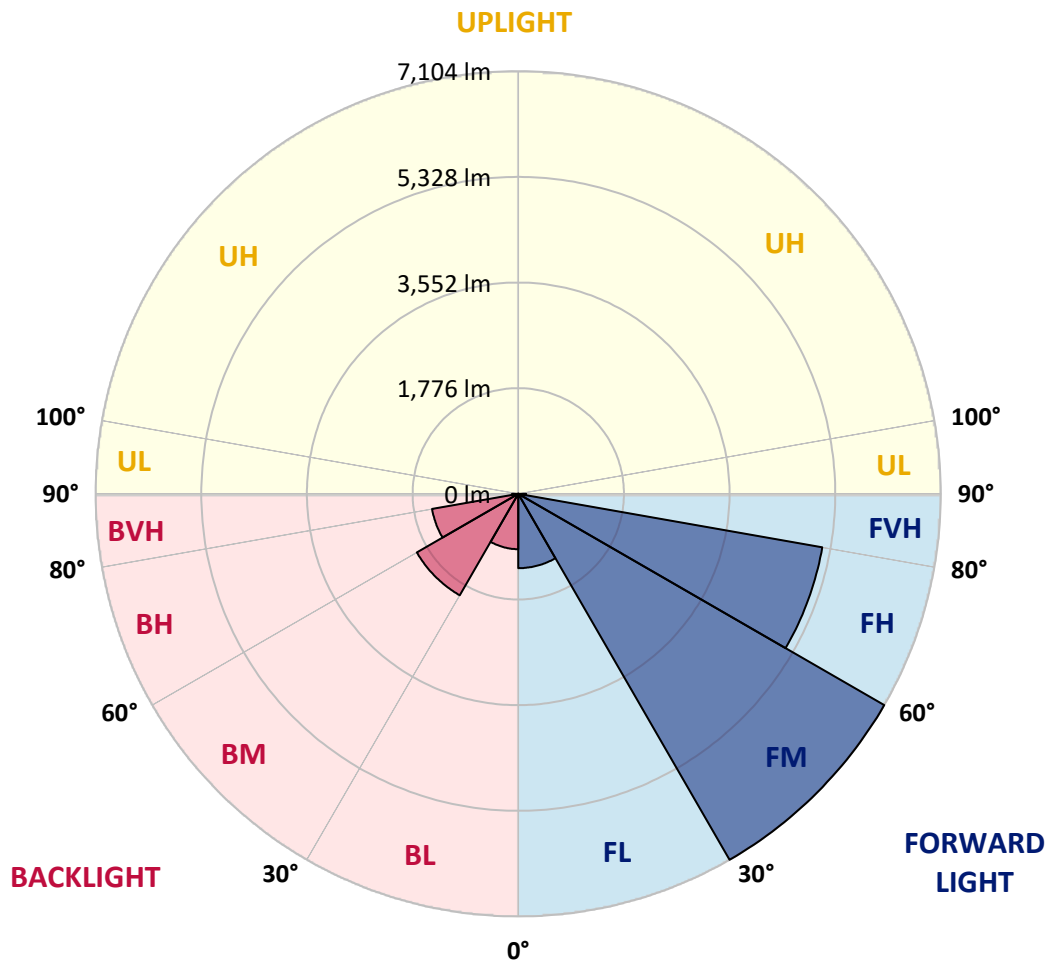
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1249.8	6.9			
FM (30°-60°)	7103.7	39.1			
FH (60°-80°)	5189.1	28.6			G3/7500
FVH (80°-90°)	132.9	0.7			G2/225
BL (0°-30°)	930.8	5.1	B2/1000		
BM (30°-60°)	1968.6	10.8	B2/2500		
BH (60°-80°)	1470.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	104.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0
2.5°	2724.6	2740.0	2735.2	2730.4	2730.4	2723.6	2722.7	2713.0	2705.3	2692.8
5°	2759.3	2775.6	2773.7	2777.6	2790.1	2793.0	2795.8	2790.1	2774.7	2759.3
7.5°	2728.4	2746.7	2752.5	2775.6	2814.1	2848.8	2874.8	2885.4	2871.0	2848.8
10°	2624.4	2644.6	2664.9	2719.8	2788.1	2870.0	2939.3	2980.8	2977.9	2956.7
12.5°	2413.5	2434.7	2478.0	2584.9	2710.1	2854.6	2983.7	3070.3	3100.2	3084.8
15°	2245.0	2263.3	2296.0	2405.8	2568.6	2788.1	3000.0	3168.6	3244.6	3236.0
17.5°	2240.1	2247.9	2268.1	2320.1	2445.3	2684.1	2982.7	3264.9	3410.3	3409.3
20°	2324.9	2327.8	2339.3	2349.9	2421.2	2605.2	2938.4	3344.8	3596.2	3596.2
22.5°	2442.4	2440.5	2452.0	2442.4	2477.1	2598.4	2910.5	3415.1	3803.2	3818.7
25°	2618.6	2609.0	2606.1	2584.0	2590.7	2661.0	2941.3	3495.1	4048.8	4080.6
27.5°	2853.6	2838.2	2827.6	2776.6	2759.3	2790.1	3035.7	3591.4	4322.3	4377.2
30°	3159.9	3132.0	3116.6	3028.0	2965.4	2970.2	3178.2	3719.5	4608.4	4697.0
32.5°	3577.9	3534.5	3493.1	3347.7	3233.1	3195.5	3362.1	3896.7	4918.5	5060.1
35°	4045.9	4011.3	3967.0	3742.6	3566.3	3479.6	3610.6	4144.2	5281.6	5506.0
37.5°	4496.7	4466.8	4488.0	4185.6	3958.3	3832.1	3936.1	4476.4	5729.4	6060.7
40°	4962.8	4939.7	4942.6	4653.6	4388.8	4247.2	4331.0	4893.5	6242.7	6720.4
42.5°	5469.4	5452.1	5394.3	5138.1	4840.5	4708.5	4785.6	5375.0	6793.6	7471.7
45°	6036.6	6026.1	5972.1	5678.4	5337.4	5189.1	5293.1	5906.6	7347.4	8178.6
47.5°	6526.9	6535.5	6528.8	6281.3	5927.8	5710.2	5834.4	6461.4	7862.7	8843.1
50°	6762.8	6808.1	6874.5	6797.5	6577.9	6356.4	6380.5	6996.8	8353.8	9466.2
52.5°	6639.5	6725.3	6906.3	7029.6	7114.3	7068.1	7003.6	7528.5	8816.1	10028.7
55°	6180.1	6300.5	6601.0	6898.6	7331.0	7667.2	7751.9	8117.9	9266.8	10523.7
57.5°	5343.2	5538.7	5808.4	6410.3	7138.4	7957.0	8624.5	8935.5	9744.5	11052.4
60°	3908.2	4170.2	4505.3	5401.0	6464.3	7802.0	9367.0	10191.4	10423.5	11737.2
62.5°	2501.1	2662.9	2971.1	3814.8	5037.0	7007.4	9594.3	11761.3	11574.4	12860.1
65°	1712.4	1816.4	2098.6	2572.4	3256.2	5216.1	8985.6	12938.1	13402.4	14639.9
67.5°	1244.3	1323.3	1564.1	1979.1	2121.7	3086.7	6972.8	12884.2	15179.3	16473.7
70°	907.2	963.1	1165.3	1564.1	1632.4	1717.2	4224.1	10952.3	15140.7	16961.0
72.5°	672.2	710.8	846.6	1213.5	1321.4	1159.6	2090.9	7959.9	13010.4	15341.1
75°	486.4	515.3	615.4	928.4	1057.5	883.2	1043.0	4651.7	9075.2	10791.4
77.5°	371.8	393.9	459.4	679.9	846.6	662.6	647.2	2140.0	4303.1	4324.3
80°	298.6	313.0	348.6	478.7	649.1	496.0	421.8	863.9	1359.9	1150.9
82.5°	219.6	243.7	294.7	336.1	464.2	341.9	257.1	436.3	517.2	444.9
85°	125.2	141.6	178.2	240.8	296.6	209.0	147.4	193.6	240.8	197.4
87.5°	44.3	57.8	62.6	94.4	129.1	86.7	56.8	55.9	79.0	58.7
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°
2661.0	0°	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0	2661.0
2689.9	2.5°	2680.3	2675.5	2656.2	2630.2	2603.2	2577.2	2568.6	2550.3	2537.7	2531.0
2752.5	5°	2734.2	2718.8	2673.5	2615.8	2555.1	2489.6	2443.4	2401.0	2370.2	2341.3
2838.2	7.5°	2811.3	2784.3	2706.3	2605.2	2497.3	2388.5	2307.6	2245.9	2204.5	2177.5
2938.4	10°	2900.8	2859.4	2740.0	2588.8	2422.2	2266.2	2170.8	2117.8	2091.8	2077.4
3053.0	12.5°	3003.9	2945.1	2774.7	2551.2	2307.6	2129.4	2063.9	2048.5	2049.5	2050.4
3197.5	15°	3131.0	3049.1	2802.6	2469.4	2158.3	2024.4	2012.9	2037.9	2063.9	2076.4
3361.2	17.5°	3274.5	3158.9	2807.4	2334.5	2011.9	1957.0	1993.6	2047.5	2087.0	2104.4
3544.2	20°	3428.6	3270.7	2772.7	2143.8	1891.5	1902.1	1967.6	2036.9	2080.3	2102.4
3753.2	22.5°	3604.8	3390.1	2689.9	1943.5	1793.3	1842.4	1919.4	1986.9	2032.1	2054.3
3998.7	25°	3806.1	3523.9	2559.9	1775.0	1708.5	1775.0	1852.0	1907.9	1944.5	1964.7
4273.2	27.5°	4029.6	3663.6	2386.5	1641.1	1634.4	1705.6	1769.2	1812.5	1831.8	1847.2
4565.0	30°	4254.0	3790.7	2176.6	1540.0	1569.8	1637.3	1682.5	1701.8	1707.6	1710.4
4890.6	32.5°	4496.7	3900.5	1956.0	1456.2	1508.2	1570.8	1597.8	1606.4	1579.5	1561.2
5285.4	35°	4790.4	4018.0	1740.3	1389.7	1447.5	1501.5	1510.1	1502.4	1470.6	1433.1
5780.5	37.5°	5153.5	4164.4	1567.9	1342.5	1390.7	1426.3	1415.7	1413.8	1416.7	1372.4
6375.7	40°	5598.4	4355.1	1441.7	1305.9	1344.5	1352.2	1322.3	1338.7	1353.1	1285.7
7028.6	42.5°	6092.5	4585.3	1361.8	1280.9	1305.9	1287.7	1241.4	1259.7	1257.8	1169.2
7684.5	45°	6596.2	4835.7	1333.9	1262.6	1270.3	1233.7	1182.7	1187.5	1147.0	1067.1
8313.4	47.5°	7097.0	5104.4	1351.2	1247.2	1226.0	1184.6	1145.1	1123.9	1064.2	1004.5
8916.3	50°	7588.2	5386.6	1414.8	1216.4	1165.3	1141.3	1112.4	1074.8	1011.2	960.2
9486.4	52.5°	8043.7	5670.7	1486.0	1165.3	1089.3	1103.7	1085.4	1042.1	979.5	927.5
10025.8	55°	8475.2	5954.8	1514.0	1095.0	1018.0	1071.0	1060.4	980.4	905.3	862.9
10590.1	57.5°	8945.2	6296.7	1483.2	1005.5	960.2	1033.4	992.9	904.3	861.0	829.2
11325.0	60°	9596.2	6833.1	1416.7	894.7	905.3	977.5	908.2	871.6	824.4	788.8
12426.7	62.5°	10677.8	7833.8	1309.8	784.9	840.8	894.7	867.7	831.1	783.0	748.3
14310.6	65°	12276.5	9224.5	1108.5	699.2	768.5	813.8	824.4	787.8	737.7	701.1
15961.3	67.5°	13624.8	10097.0	838.9	627.9	694.4	748.3	778.2	742.5	689.6	653.9
16347.5	70°	13550.7	9463.3	640.5	557.6	628.9	683.8	722.3	694.4	637.6	603.9
14848.9	72.5°	12035.7	7916.6	518.1	486.4	562.4	616.4	662.6	641.4	583.6	550.9
10878.1	75°	8842.1	5619.6	414.1	414.1	479.6	546.1	597.1	583.6	530.7	507.5
4567.0	77.5°	3727.2	2357.6	324.6	343.8	398.7	469.0	532.6	537.4	491.2	520.1
1207.7	80°	991.0	650.1	247.5	270.6	313.0	387.2	463.2	461.3	411.2	384.3
448.8	82.5°	377.5	256.2	176.2	190.7	226.3	296.6	366.9	378.5	328.4	284.1
176.2	85°	145.4	109.8	108.8	114.6	131.9	196.5	277.4	287.0	247.5	210.0
49.1	87.5°	37.6	32.7	40.4	38.5	60.7	105.0	158.9	164.7	151.2	87.6
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°
2661.0
2538.7
2352.8
2183.3
2081.2
2052.3
2075.5
2108.2
2108.2
2060.0
1970.5
1853.0
1717.2
1566.9
1435.0
1375.3
1287.7
1168.2
1070.0
1004.5
956.3
928.4
859.1
826.3
786.8
748.3
703.1
654.9
606.7
550.9
500.8
471.9
357.3
284.1
216.7
125.2
0.0

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