

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: P848586

Luminaire Tested: **GLAN-SB5B-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848586
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-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22040 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

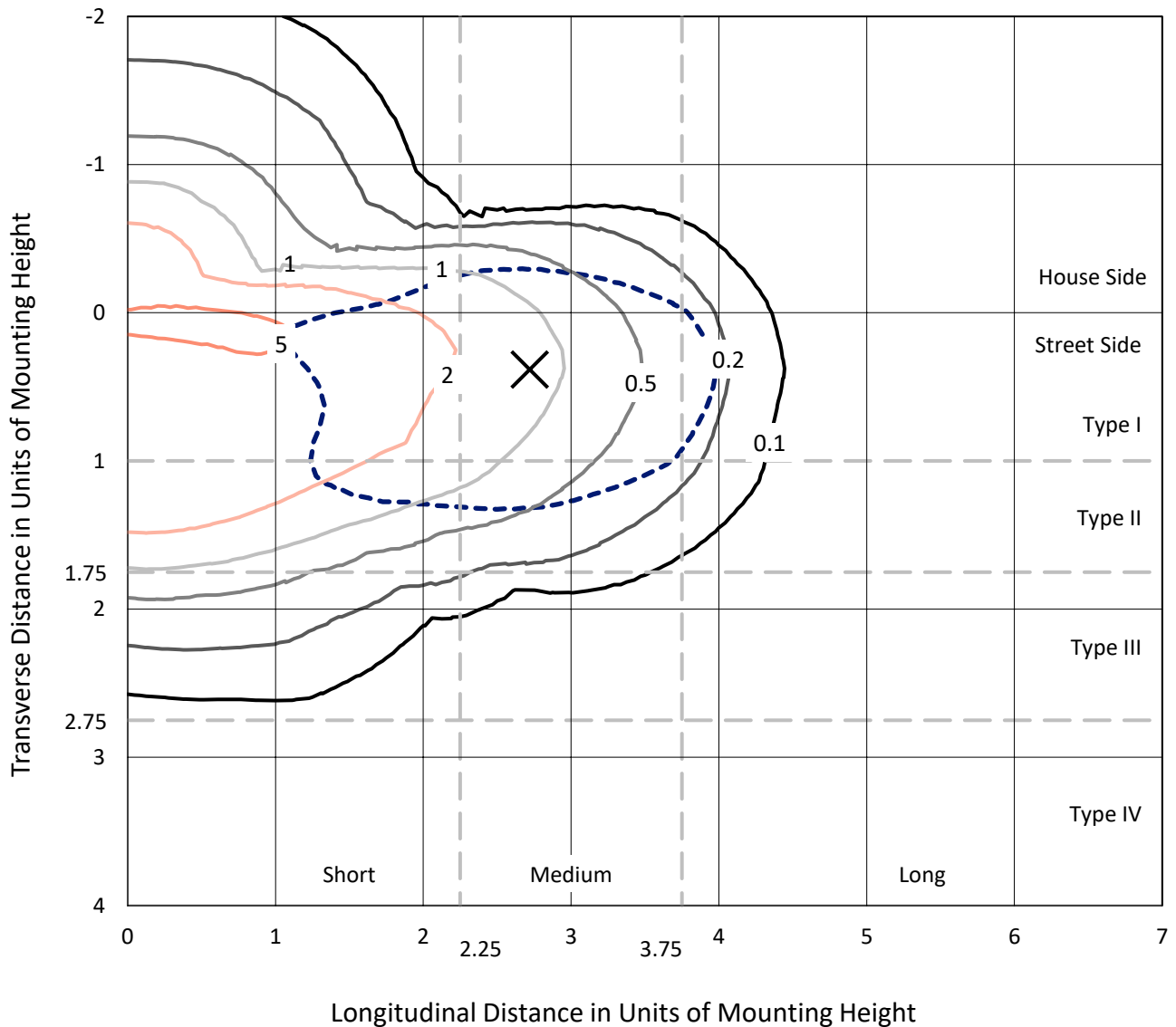
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

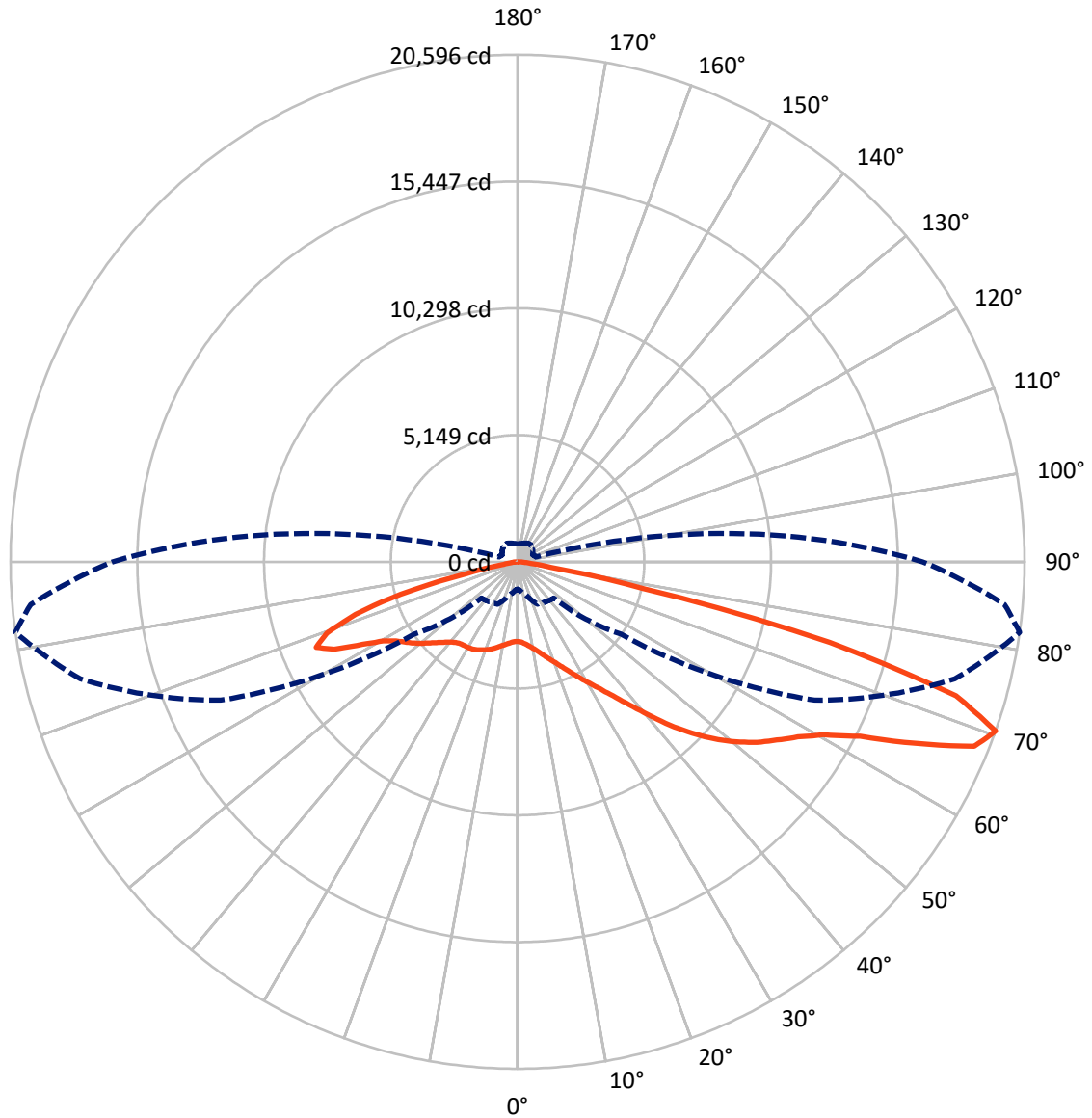
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	5433.4	0.0	5433.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16606.6	0.0	16606.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	22040.0	0.0	22040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.1	1.4
10°-20°	876.6	4.0
20°-30°	1466.4	6.7
30°-40°	2290.9	10.4
40°-50°	3648.5	16.6
50°-60°	5077.3	23.0
60°-70°	5311.1	24.1
70°-80°	2775.9	12.6
80°-90°	288.2	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°	22040.0	100.0
0°-180°	22040.0	100.0

Coefficient of Utilization

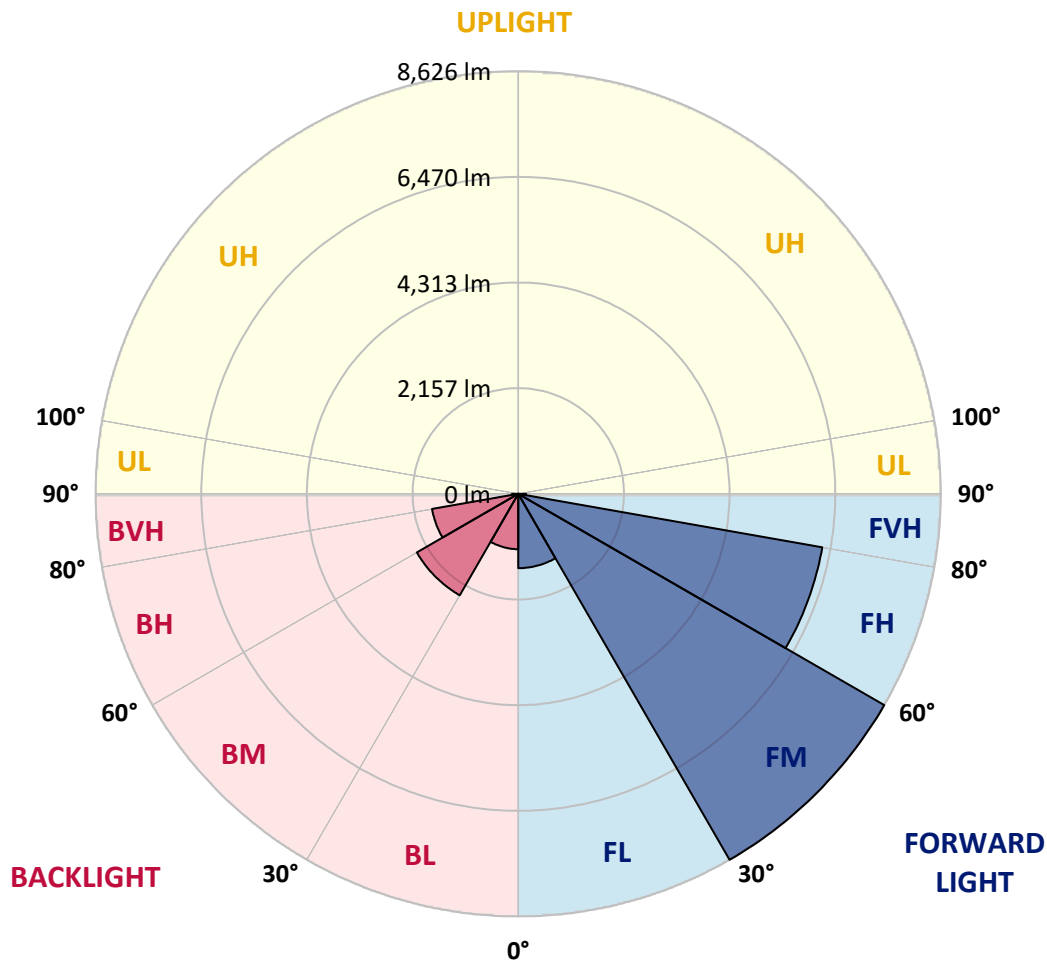


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1517.7	6.9			
FM (30°-60°)	8626.2	39.1			
FH (60°-80°)	6301.3	28.6			G3/7500
FVH (80°-90°)	161.4	0.7			G2/225
BL (0°-30°)	1130.3	5.1	B3/2500		
BM (30°-60°)	2390.5	10.8	B2/2500		
BH (60°-80°)	1785.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	126.9	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°	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3
2.5°	3308.5	3327.2	3321.4	3315.5	3315.5	3307.4	3306.2	3294.5	3285.1	3269.9
5°	3350.6	3370.5	3368.2	3372.8	3388.1	3391.6	3395.1	3388.1	3369.3	3350.6
7.5°	3313.2	3335.4	3342.4	3370.5	3417.3	3459.4	3491.0	3503.8	3486.3	3459.4
10°	3186.9	3211.5	3236.0	3302.7	3385.7	3485.1	3569.3	3619.6	3616.1	3590.4
12.5°	2930.8	2956.5	3009.1	3138.9	3291.0	3466.4	3623.1	3728.4	3764.6	3745.9
15°	2726.1	2748.3	2788.1	2921.4	3119.1	3385.7	3643.0	3847.7	3940.1	3929.5
17.5°	2720.3	2729.6	2754.2	2817.3	2969.4	3259.4	3622.0	3964.6	4141.2	4140.0
20°	2823.2	2826.7	2840.7	2853.6	2940.1	3163.5	3568.2	4061.7	4366.9	4366.9
22.5°	2965.9	2963.5	2977.6	2965.9	3008.0	3155.3	3534.2	4147.1	4618.4	4637.1
25°	3179.9	3168.2	3164.7	3137.8	3146.0	3231.3	3571.7	4244.1	4916.6	4955.2
27.5°	3465.2	3446.5	3433.7	3371.7	3350.6	3388.1	3686.3	4361.1	5248.7	5315.4
30°	3837.1	3803.2	3784.5	3676.9	3600.9	3606.8	3859.4	4516.6	5596.1	5703.7
32.5°	4344.7	4292.1	4241.8	4065.2	3926.0	3880.4	4082.7	4731.8	5972.7	6144.6
35°	4913.1	4871.0	4817.2	4544.7	4330.7	4225.4	4384.5	5032.4	6413.6	6686.1
37.5°	5460.4	5424.2	5449.9	5082.7	4806.7	4653.5	4779.8	5435.9	6957.4	7359.7
40°	6026.5	5998.4	6001.9	5651.0	5329.4	5157.5	5259.3	5942.2	7580.7	8160.8
42.5°	6641.6	6620.6	6550.4	6239.3	5877.9	5717.7	5811.3	6527.0	8249.7	9073.0
45°	7330.5	7317.6	7252.1	6895.4	6481.4	6301.3	6427.6	7172.6	8922.1	9931.4
47.5°	7925.7	7936.3	7928.1	7627.5	7198.3	6934.0	7084.9	7846.2	9547.8	10738.4
50°	8212.3	8267.2	8347.9	8254.4	7987.7	7718.7	7748.0	8496.4	10144.3	11495.1
52.5°	8062.6	8166.6	8386.5	8536.2	8639.1	8583.0	8504.6	9142.0	10705.6	12178.0
55°	7504.7	7650.9	8015.8	8377.2	8902.3	9310.4	9413.3	9857.7	11253.0	12779.2
57.5°	6488.4	6725.8	7053.3	7784.2	8668.4	9662.4	10472.9	10850.7	11833.0	13421.2
60°	4745.8	5064.0	5470.9	6558.6	7849.7	9474.2	11374.6	12375.7	12657.5	14252.7
62.5°	3037.2	3233.7	3607.9	4632.4	6116.5	8509.3	11650.6	14282.0	14055.1	15616.4
65°	2079.4	2205.7	2548.3	3123.7	3954.1	6334.0	10911.5	15711.1	16274.8	17777.6
67.5°	1511.0	1606.9	1899.3	2403.3	2576.4	3748.3	8467.2	15645.6	18432.6	20004.4
70°	1101.7	1169.5	1415.1	1899.3	1982.3	2085.2	5129.4	13299.6	18385.8	20596.1
72.5°	816.3	863.1	1028.0	1473.6	1604.6	1408.1	2539.0	9666.0	15798.8	18629.0
75°	590.6	625.7	747.3	1127.4	1284.1	1072.4	1266.6	5648.7	11020.2	13104.3
77.5°	451.4	478.3	557.9	825.7	1028.0	804.6	785.9	2598.6	5225.3	5251.1
80°	362.5	380.1	423.4	581.2	788.2	602.3	512.2	1049.0	1651.3	1397.6
82.5°	266.6	295.9	357.9	408.2	563.7	415.2	312.3	529.8	628.0	540.3
85°	152.0	171.9	216.4	292.4	360.2	253.8	178.9	235.1	292.4	239.7
87.5°	53.8	70.2	76.0	114.6	156.7	105.3	69.0	67.8	95.9	71.3
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°
3231.3	0°	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3
3266.4	2.5°	3254.7	3248.9	3225.5	3193.9	3161.2	3129.6	3119.1	3096.8	3081.6	3073.5
3342.4	5°	3320.2	3301.5	3246.5	3176.4	3102.7	3023.2	2967.0	2915.6	2878.1	2843.1
3446.5	7.5°	3413.8	3381.0	3286.3	3163.5	3032.5	2900.4	2802.1	2727.3	2677.0	2644.2
3568.2	10°	3522.5	3472.3	3327.2	3143.6	2941.3	2751.8	2636.1	2571.7	2540.2	2522.6
3707.3	12.5°	3647.7	3576.3	3369.3	3098.0	2802.1	2585.8	2506.2	2487.5	2488.7	2489.9
3882.8	15°	3802.1	3702.6	3403.3	2998.6	2620.9	2458.3	2444.3	2474.7	2506.2	2521.5
4081.6	17.5°	3976.3	3836.0	3409.1	2834.9	2443.1	2376.4	2420.9	2486.4	2534.3	2555.4
4303.8	20°	4163.4	3971.6	3367.0	2603.3	2296.9	2309.8	2389.3	2473.5	2526.1	2553.0
4557.6	22.5°	4377.5	4116.7	3266.4	2360.1	2177.6	2237.3	2330.8	2412.7	2467.7	2494.6
4855.8	25°	4621.9	4279.2	3108.5	2155.4	2074.7	2155.4	2249.0	2316.8	2361.2	2385.8
5189.1	27.5°	4893.2	4448.8	2898.0	1992.8	1984.6	2071.2	2148.4	2201.0	2224.4	2243.1
5543.4	30°	5165.7	4603.2	2643.1	1870.0	1906.3	1988.2	2043.1	2066.5	2073.5	2077.0
5938.7	32.5°	5460.4	4736.5	2375.3	1768.3	1831.4	1907.5	1940.2	1950.7	1918.0	1895.8
6418.2	35°	5817.1	4879.2	2113.3	1687.6	1757.8	1823.3	1833.8	1824.4	1785.8	1740.2
7019.4	37.5°	6258.0	5056.9	1904.0	1630.3	1688.8	1732.0	1719.2	1716.8	1720.3	1666.5
7742.1	40°	6798.3	5288.5	1750.7	1585.8	1632.6	1642.0	1605.7	1625.6	1643.2	1561.3
8535.0	42.5°	7398.3	5568.0	1653.7	1555.4	1585.8	1563.6	1507.5	1529.7	1527.4	1419.8
9331.5	45°	8009.9	5872.1	1619.8	1533.2	1542.6	1498.1	1436.2	1442.0	1392.9	1295.8
10095.2	47.5°	8618.1	6198.4	1640.8	1514.5	1488.8	1438.5	1390.5	1364.8	1292.3	1219.8
10827.3	50°	9214.5	6541.0	1718.0	1477.1	1415.1	1385.9	1350.8	1305.2	1228.0	1166.0
11519.6	52.5°	9767.7	6886.0	1804.5	1415.1	1322.7	1340.3	1318.0	1265.4	1189.4	1126.2
12174.5	55°	10291.6	7231.0	1838.5	1329.7	1236.2	1300.5	1287.6	1190.6	1099.3	1047.9
12859.9	57.5°	10862.4	7646.2	1801.0	1221.0	1166.0	1254.9	1205.8	1098.2	1045.5	1006.9
13752.2	60°	11652.9	8297.6	1720.3	1086.5	1099.3	1187.0	1102.8	1058.4	1001.1	957.8
15090.1	62.5°	12966.3	9512.7	1590.5	953.1	1021.0	1086.5	1053.7	1009.3	950.8	908.7
17377.7	65°	14907.7	11201.5	1346.1	849.1	933.3	988.2	1001.1	956.7	895.8	851.4
19382.2	67.5°	16545.0	12261.1	1018.6	762.5	843.2	908.7	945.0	901.7	837.4	794.1
19851.2	70°	16454.9	11491.5	777.7	677.1	763.7	830.3	877.1	843.2	774.2	733.3
18031.4	72.5°	14615.3	9613.3	629.2	590.6	683.0	748.5	804.6	778.9	708.7	669.0
13209.5	75°	10737.2	6824.1	502.9	502.9	582.4	663.1	725.1	708.7	644.4	616.3
5545.8	77.5°	4526.0	2862.9	394.1	417.5	484.2	569.5	646.7	652.6	596.4	631.5
1466.6	80°	1203.4	789.4	300.6	328.6	380.1	470.1	562.5	560.2	499.4	466.6
545.0	82.5°	458.4	311.1	214.0	231.6	274.8	360.2	445.6	459.6	398.8	345.0
214.0	85°	176.6	133.3	132.2	139.2	160.2	238.6	336.8	348.5	300.6	255.0
59.6	87.5°	45.6	39.8	49.1	46.8	73.7	127.5	193.0	200.0	183.6	106.4
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°
3231.3
3082.8
2857.1
2651.3
2527.3
2492.2
2520.3
2560.0
2560.0
2501.6
2392.8
2250.1
2085.2
1902.8
1742.6
1670.1
1563.6
1418.6
1299.3
1219.8
1161.3
1127.4
1043.2
1003.4
955.5
908.7
853.7
795.3
736.8
669.0
608.1
573.1
433.9
345.0
263.1
152.0
0.0

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