

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: P848076

Luminaire Tested: **GLAN-SB4C-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848076
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-SB4C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23256 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

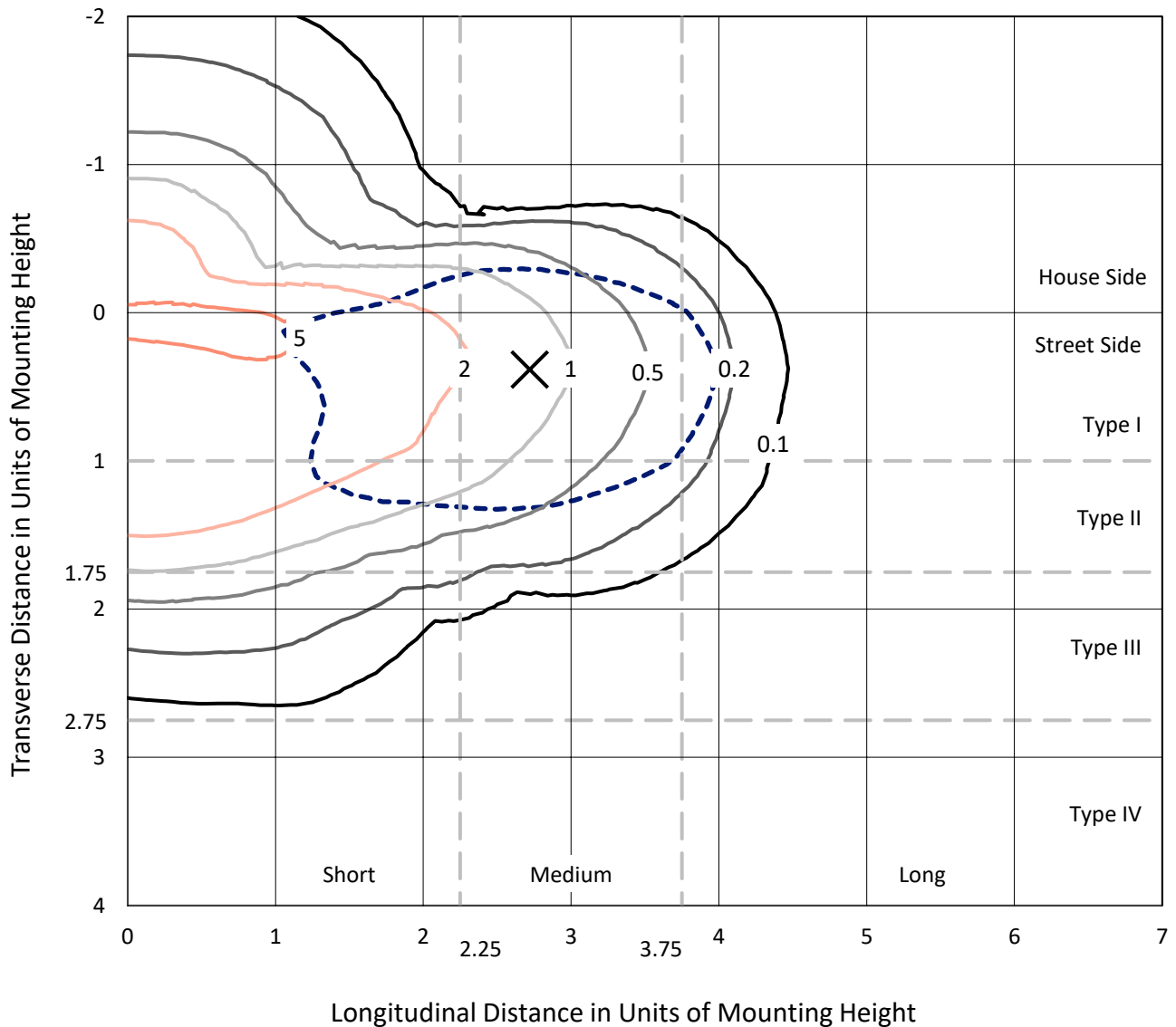
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

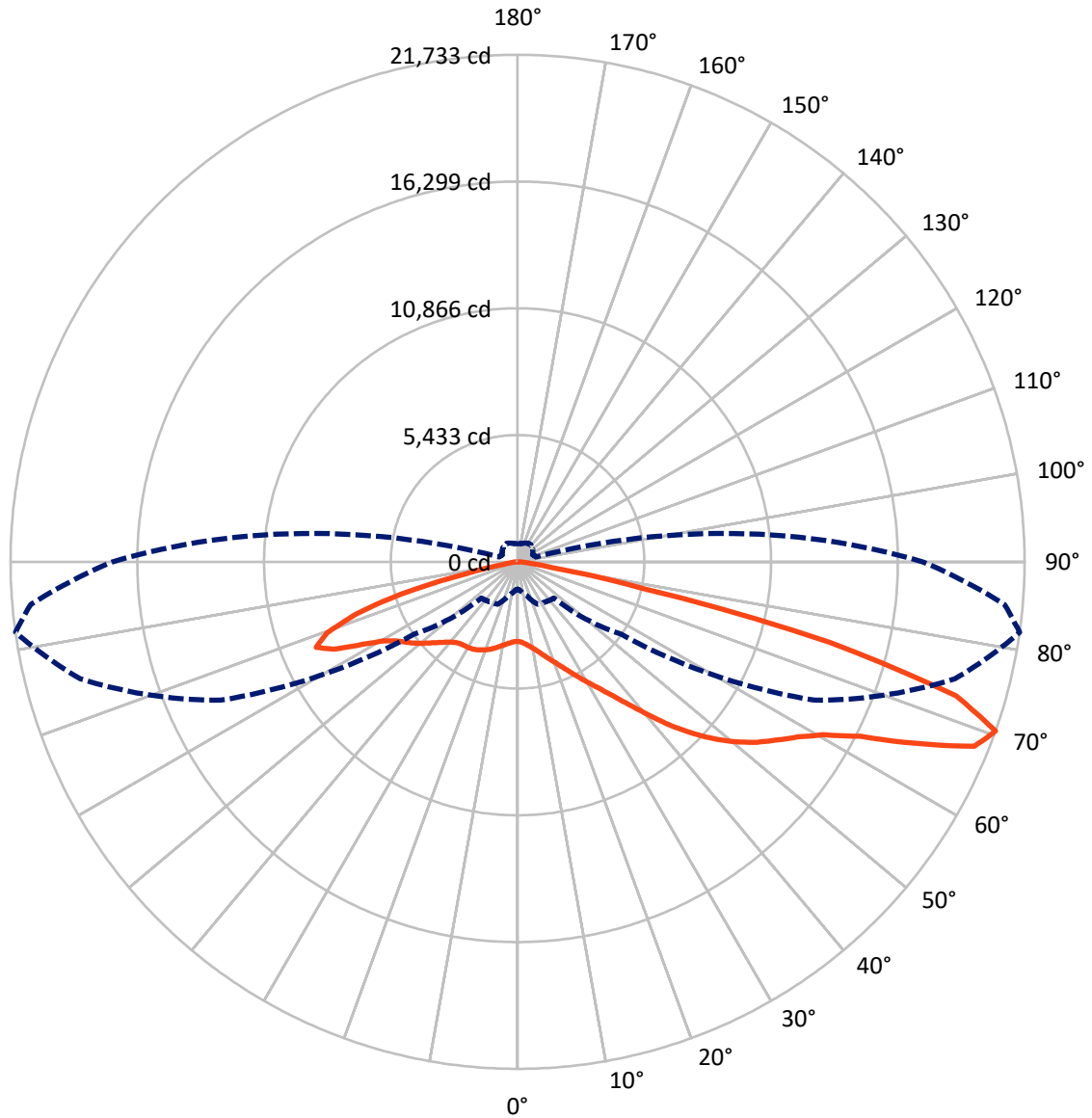
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	5733.2	0.0	5733.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17522.8	0.0	17522.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	23256.0	0.0	23256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.9	1.4
10°-20°	924.9	4.0
20°-30°	1547.3	6.7
30°-40°	2417.3	10.4
40°-50°	3849.8	16.6
50°-60°	5357.5	23.0
60°-70°	5604.2	24.1
70°-80°	2929.0	12.6
80°-90°	304.1	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°	23256.0	100.0
0°-180°	23256.0	100.0

Coefficient of Utilization

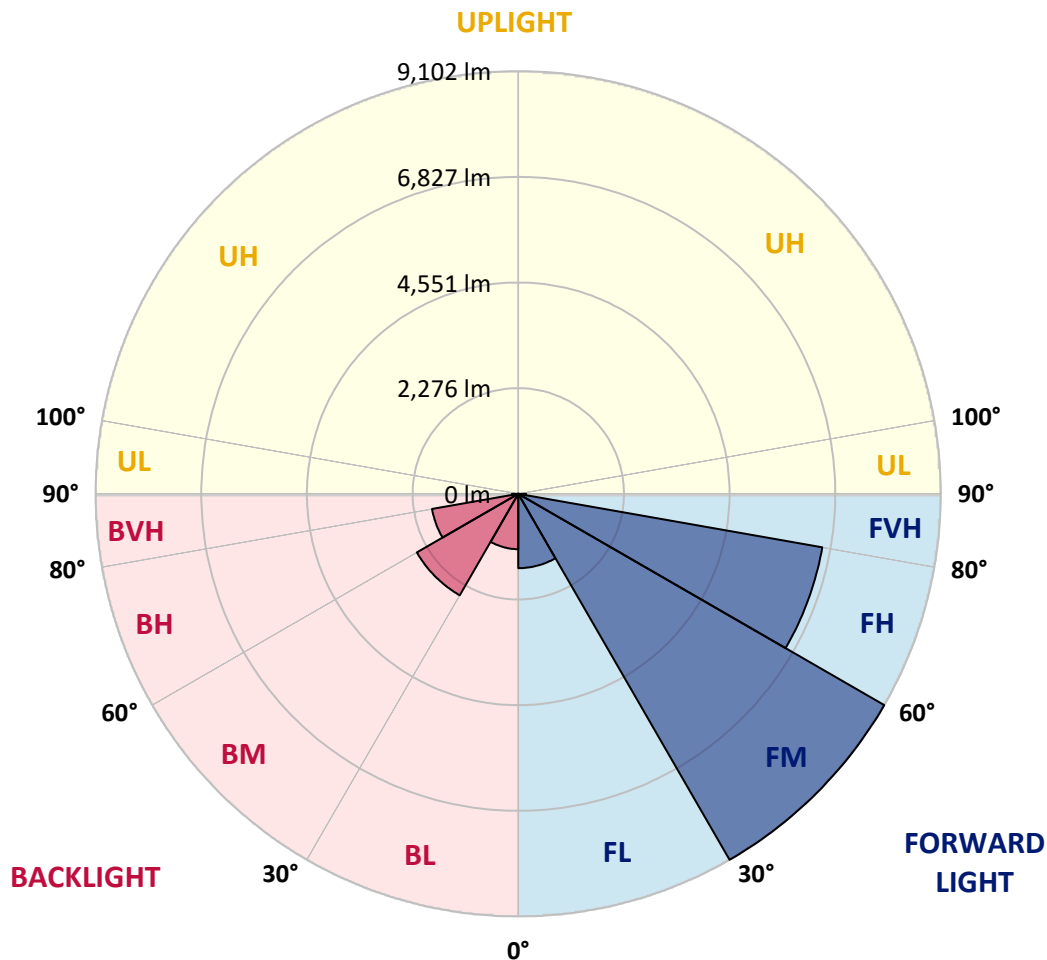


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1601.4	6.9			
FM (30°-60°)	9102.2	39.1			
FH (60°-80°)	6649.0	28.6			G3/7500
FVH (80°-90°)	170.3	0.7			G2/225
BL (0°-30°)	1192.7	5.1	B3/2500		
BM (30°-60°)	2522.4	10.8	B3/5000		
BH (60°-80°)	1884.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	133.9	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°	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6
2.5°	3491.1	3510.8	3504.6	3498.5	3498.5	3489.8	3488.6	3476.3	3466.4	3450.3
5°	3535.5	3556.5	3554.0	3558.9	3575.0	3578.7	3582.4	3575.0	3555.2	3535.5
7.5°	3496.0	3519.4	3526.9	3556.5	3605.8	3650.3	3683.6	3697.1	3678.6	3650.3
10°	3362.7	3388.6	3414.6	3484.9	3572.5	3677.4	3766.3	3819.3	3815.6	3788.5
12.5°	3092.5	3119.6	3175.2	3312.1	3472.6	3657.7	3823.0	3934.1	3972.3	3952.6
15°	2876.5	2900.0	2941.9	3082.6	3291.2	3572.5	3844.0	4060.0	4157.4	4146.3
17.5°	2870.4	2880.2	2906.1	2972.8	3133.2	3439.2	3821.8	4183.4	4369.7	4368.5
20°	2978.9	2982.6	2997.5	3011.0	3102.3	3338.0	3765.0	4285.8	4607.9	4607.9
22.5°	3129.5	3127.0	3141.8	3129.5	3173.9	3329.4	3729.2	4375.9	4873.2	4892.9
25°	3355.3	3343.0	3339.3	3310.9	3319.5	3409.6	3768.7	4478.3	5187.9	5228.6
27.5°	3656.4	3636.7	3623.1	3557.7	3535.5	3575.0	3889.7	4601.7	5538.3	5608.7
30°	4048.8	4013.1	3993.3	3879.8	3799.6	3805.7	4072.3	4765.8	5904.8	6018.4
32.5°	4584.4	4528.9	4475.8	4289.5	4142.6	4094.5	4308.0	4992.9	6302.2	6483.6
35°	5184.2	5139.7	5083.0	4795.4	4569.6	4458.5	4626.4	5310.0	6767.4	7054.9
37.5°	5761.7	5723.4	5750.6	5363.1	5071.9	4910.2	5043.5	5735.8	7341.2	7765.7
40°	6358.9	6329.3	6333.0	5962.8	5623.5	5442.1	5549.4	6270.1	7999.0	8611.1
42.5°	7008.0	6985.8	6911.8	6583.5	6202.2	6033.2	6131.9	6887.1	8704.8	9573.6
45°	7734.9	7721.3	7652.2	7275.8	6839.0	6648.9	6782.2	7568.3	9414.4	10479.4
47.5°	8363.0	8374.1	8365.5	8048.3	7595.4	7316.6	7475.7	8279.1	10074.6	11330.8
50°	8665.3	8723.3	8808.5	8709.8	8428.4	8144.6	8175.4	8965.2	10704.0	12129.3
52.5°	8507.4	8617.2	8849.2	9007.2	9115.8	9056.5	8973.9	9646.4	11296.3	12849.9
55°	7918.8	8073.0	8458.0	8839.3	9393.4	9824.1	9932.7	10401.6	11873.8	13484.2
57.5°	6846.4	7096.9	7442.4	8213.7	9146.6	10195.5	11050.7	11449.3	12485.9	14161.7
60°	5007.7	5343.3	5772.8	6920.4	8282.8	9996.9	12002.2	13058.5	13355.9	15039.1
62.5°	3204.8	3412.1	3807.0	4888.0	6454.0	8978.8	12293.4	15070.0	14830.6	16478.0
65°	2194.1	2327.4	2688.9	3296.1	4172.2	6683.5	11513.5	16577.9	17172.7	18758.5
67.5°	1594.4	1695.6	2004.1	2535.9	2718.6	3955.1	8934.4	16508.8	19449.5	21108.1
70°	1162.5	1234.0	1493.2	2004.1	2091.7	2200.3	5412.4	14033.4	19400.2	21732.5
72.5°	861.4	910.7	1084.7	1554.9	1693.1	1485.8	2679.1	10199.2	16670.5	19656.8
75°	623.2	660.2	788.5	1189.6	1355.0	1131.6	1336.5	5960.4	11628.2	13827.3
77.5°	476.3	504.7	588.6	871.2	1084.7	849.0	829.3	2742.0	5513.6	5540.8
80°	382.5	401.1	446.7	613.3	831.7	635.5	540.5	1106.9	1742.4	1474.7
82.5°	281.4	312.2	377.6	430.7	594.8	438.1	329.5	559.0	662.7	570.1
85°	160.4	181.4	228.3	308.5	380.1	267.8	188.8	248.0	308.5	253.0
87.5°	56.8	74.0	80.2	120.9	165.4	111.1	72.8	71.6	101.2	75.3
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°
3409.6	0°	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6	3409.6
3446.6	2.5°	3434.3	3428.1	3403.5	3370.1	3335.6	3302.3	3291.2	3267.7	3251.7	3243.0
3526.9	5°	3503.4	3483.7	3425.7	3351.6	3273.9	3190.0	3130.7	3076.4	3036.9	2999.9
3636.7	7.5°	3602.1	3567.6	3467.6	3338.0	3199.8	3060.4	2956.7	2877.8	2824.7	2790.1
3765.0	10°	3716.9	3663.8	3510.8	3317.1	3103.6	2903.7	2781.5	2713.6	2680.3	2661.8
3911.9	12.5°	3848.9	3773.7	3555.2	3268.9	2956.7	2728.4	2644.5	2624.8	2626.0	2627.2
4097.0	15°	4011.8	3906.9	3591.0	3164.0	2765.5	2593.9	2579.1	2611.2	2644.5	2660.6
4306.8	17.5°	4195.7	4047.6	3597.2	2991.3	2577.9	2507.5	2554.4	2623.5	2674.1	2696.4
4541.2	20°	4393.1	4190.8	3552.8	2746.9	2423.6	2437.2	2521.1	2610.0	2665.5	2693.9
4809.0	22.5°	4619.0	4343.8	3446.6	2490.3	2297.8	2360.7	2459.4	2545.8	2603.8	2632.2
5123.7	25°	4876.9	4515.3	3280.0	2274.3	2189.2	2274.3	2373.0	2444.6	2491.5	2517.4
5475.4	27.5°	5163.2	4694.2	3057.9	2102.8	2094.1	2185.5	2266.9	2322.4	2347.1	2366.9
5849.3	30°	5450.7	4857.1	2788.9	1973.2	2011.5	2097.8	2155.8	2180.5	2187.9	2191.6
6266.4	32.5°	5761.7	4997.8	2506.3	1865.9	1932.5	2012.7	2047.3	2058.4	2023.8	2000.4
6772.3	35°	6138.1	5148.4	2229.9	1780.7	1854.7	1923.9	1935.0	1925.1	1884.4	1836.2
7406.6	37.5°	6603.3	5335.9	2009.0	1720.2	1781.9	1827.6	1814.0	1811.6	1815.3	1758.5
8169.3	40°	7173.4	5580.3	1847.3	1673.3	1722.7	1732.6	1694.3	1715.3	1733.8	1647.4
9005.9	42.5°	7806.5	5875.2	1744.9	1641.3	1673.3	1649.9	1590.7	1614.1	1611.6	1498.1
9846.3	45°	8451.9	6196.1	1709.1	1617.8	1627.7	1580.8	1515.4	1521.6	1469.7	1367.3
10652.1	47.5°	9093.6	6540.4	1731.3	1598.1	1570.9	1517.9	1467.3	1440.1	1363.6	1287.1
11424.6	50°	9722.9	6901.9	1812.8	1558.6	1493.2	1462.3	1425.3	1377.2	1295.7	1230.3
12155.2	52.5°	10306.6	7266.0	1904.1	1493.2	1395.7	1414.2	1390.7	1335.2	1255.0	1188.4
12846.2	55°	10859.4	7630.0	1939.9	1403.1	1304.4	1372.2	1358.7	1256.2	1160.0	1105.7
13569.4	57.5°	11461.7	8068.1	1900.4	1288.3	1230.3	1324.1	1272.3	1158.8	1103.2	1062.5
14510.9	60°	12295.9	8755.4	1815.3	1146.4	1160.0	1252.5	1163.7	1116.8	1056.3	1010.7
15922.7	62.5°	13681.7	10037.6	1678.3	1005.7	1077.3	1146.4	1111.9	1065.0	1003.3	958.8
18336.4	65°	15730.2	11819.5	1420.4	895.9	984.8	1042.8	1056.3	1009.4	945.3	898.4
20451.6	67.5°	17457.8	12937.6	1074.8	804.6	889.7	958.8	997.1	951.4	883.6	837.9
20946.4	70°	17362.8	12125.6	820.6	714.5	805.8	876.2	925.5	889.7	816.9	773.7
19026.2	72.5°	15421.7	10143.7	663.9	623.2	720.7	789.8	849.0	821.9	747.8	705.9
13938.4	75°	11329.6	7200.6	530.6	530.6	614.5	699.7	765.1	747.8	679.9	650.3
5851.8	77.5°	4775.7	3020.9	415.9	440.5	510.9	601.0	682.4	688.6	629.4	666.4
1547.5	80°	1269.8	833.0	317.1	346.8	401.1	496.1	593.6	591.1	526.9	492.4
575.1	82.5°	483.7	328.3	225.8	244.3	290.0	380.1	470.2	485.0	420.8	364.0
225.8	85°	186.3	140.7	139.4	146.8	169.1	251.7	355.4	367.7	317.1	269.0
62.9	87.5°	48.1	42.0	51.8	49.4	77.7	134.5	203.6	211.0	193.7	112.3
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°
3409.6
3252.9
3014.7
2797.5
2666.7
2629.7
2659.3
2701.3
2701.3
2639.6
2524.8
2374.3
2200.3
2007.8
1838.7
1762.2
1649.9
1496.9
1371.0
1287.1
1225.4
1189.6
1100.8
1058.8
1008.2
958.8
900.8
839.1
777.4
705.9
641.7
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457.8
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277.7
160.4
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