

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: P848446

Luminaire Tested: **GLAN-SB5A-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848446
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-SB5A-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22032 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

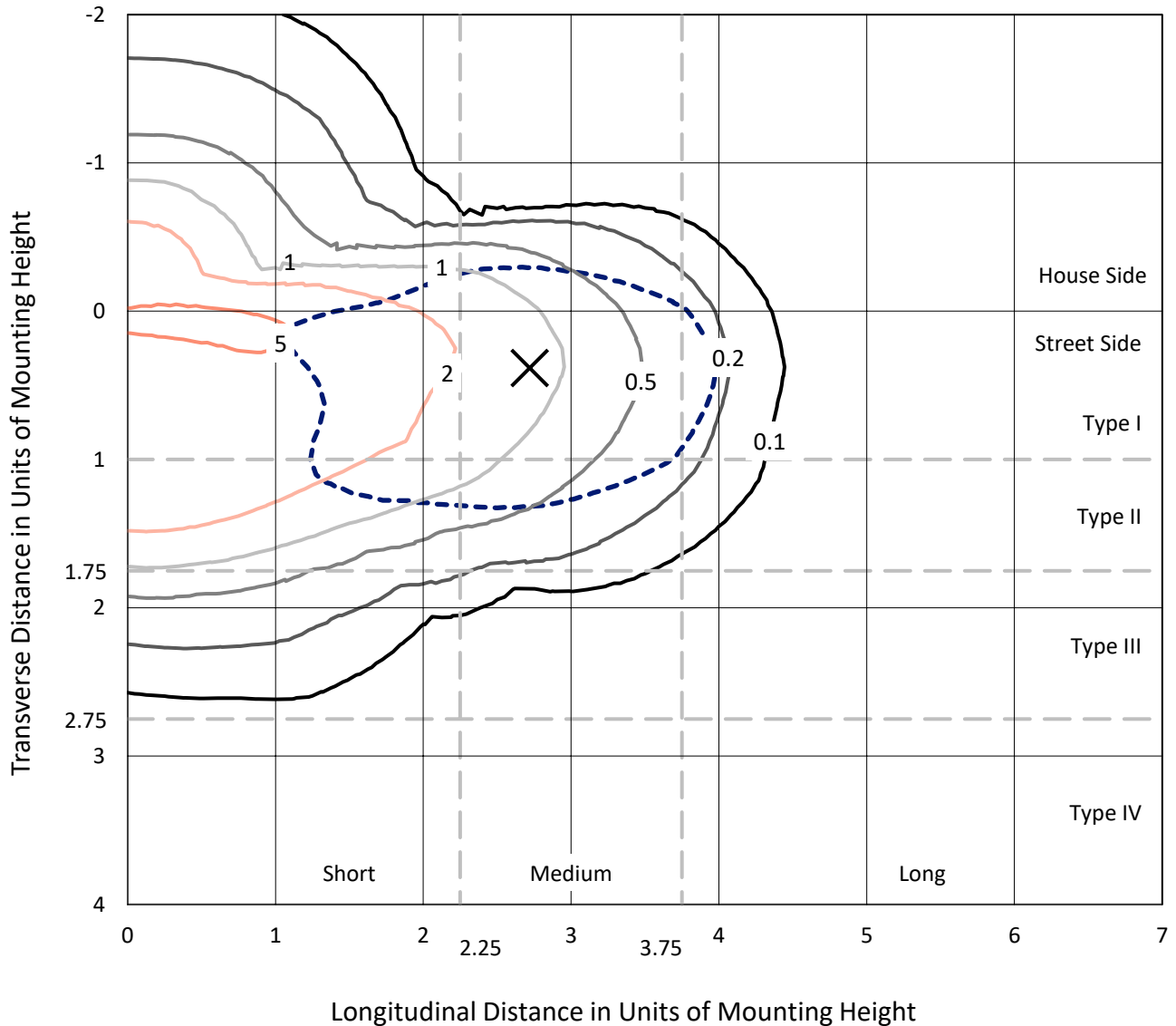
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

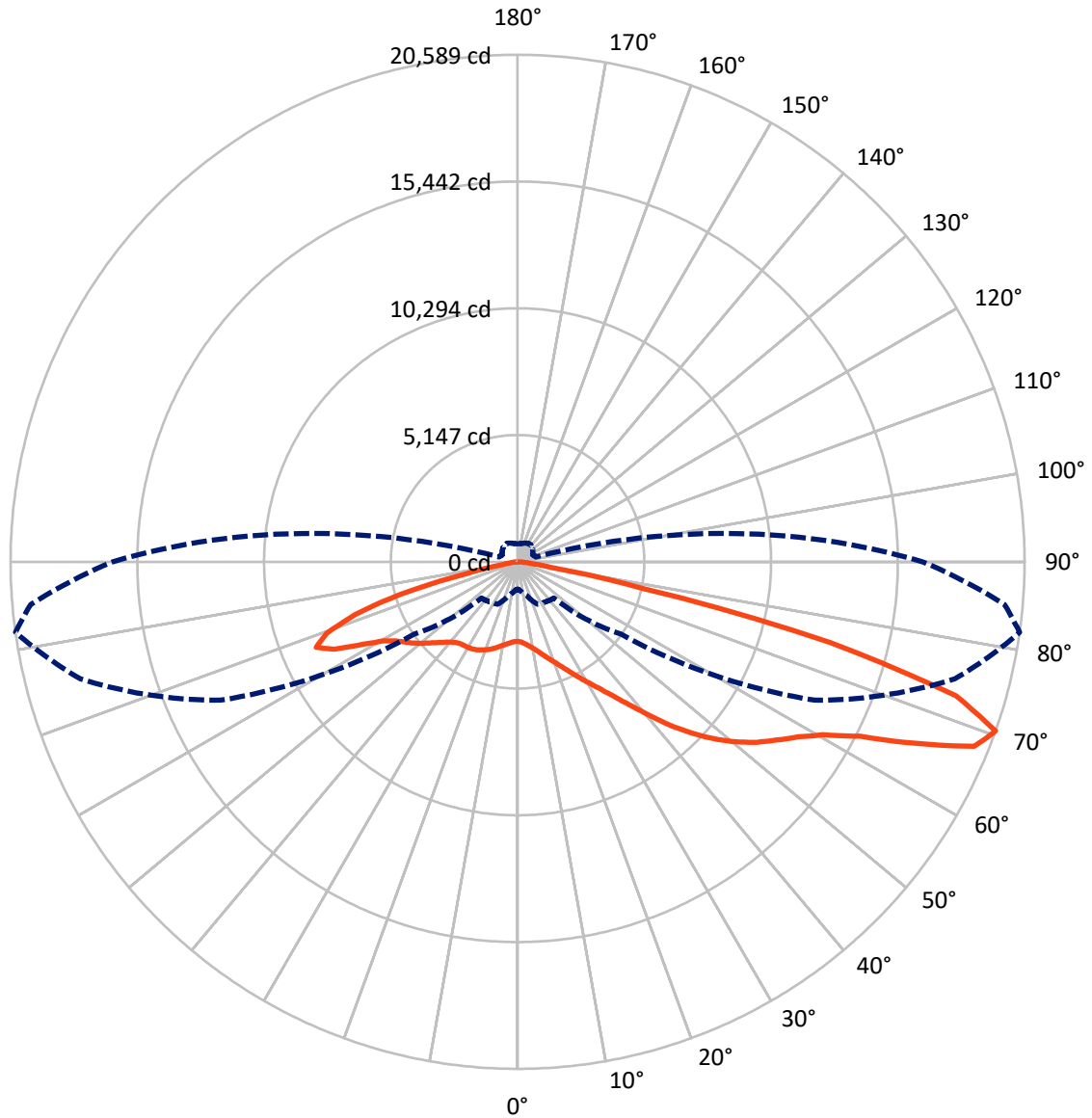
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	5431.4	0.0	5431.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16600.6	0.0	16600.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	22032.0	0.0	22032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.0	1.4
10°-20°	876.2	4.0
20°-30°	1465.9	6.7
30°-40°	2290.1	10.4
40°-50°	3647.2	16.6
50°-60°	5075.5	23.0
60°-70°	5309.2	24.1
70°-80°	2774.9	12.6
80°-90°	288.1	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°	22032.0	100.0
0°-180°	22032.0	100.0

Coefficient of Utilization

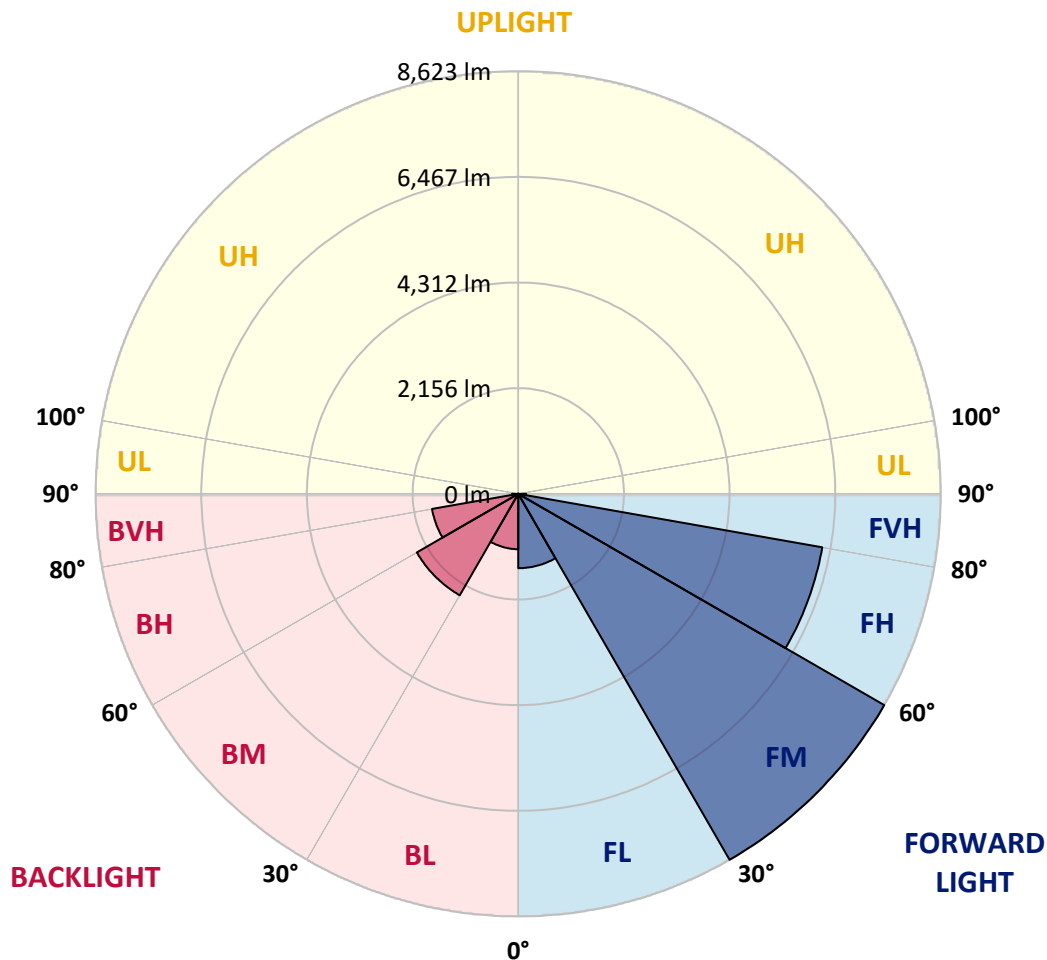


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1517.1	6.9			
FM (30°-60°)	8623.1	39.1			
FH (60°-80°)	6299.0	28.6			G3/7500
FVH (80°-90°)	161.3	0.7			G2/225
BL (0°-30°)	1129.9	5.1	B3/2500		
BM (30°-60°)	2389.6	10.8	B2/2500		
BH (60°-80°)	1785.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	126.8	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°	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2
2.5°	3307.3	3326.0	3320.2	3314.3	3314.3	3306.2	3305.0	3293.3	3283.9	3268.7
5°	3349.4	3369.3	3366.9	3371.6	3386.8	3390.3	3393.8	3386.8	3368.1	3349.4
7.5°	3312.0	3334.2	3341.2	3369.3	3416.1	3458.1	3489.7	3502.6	3485.0	3458.1
10°	3185.7	3210.3	3234.8	3301.5	3384.5	3483.9	3568.0	3618.3	3614.8	3589.1
12.5°	2929.7	2955.4	3008.0	3137.8	3289.8	3465.2	3621.8	3727.0	3763.3	3744.6
15°	2725.1	2747.3	2787.1	2920.4	3117.9	3384.5	3641.7	3846.3	3938.6	3928.1
17.5°	2719.3	2728.6	2753.2	2816.3	2968.3	3258.2	3620.6	3963.2	4139.7	4138.5
20°	2822.2	2825.7	2839.7	2852.6	2939.1	3162.4	3566.9	4060.2	4365.3	4365.3
22.5°	2964.8	2962.4	2976.5	2964.8	3006.9	3154.2	3533.0	4145.6	4616.7	4635.4
25°	3178.7	3167.0	3163.5	3136.6	3144.8	3230.2	3570.4	4242.6	4914.8	4953.4
27.5°	3464.0	3445.3	3432.4	3370.5	3349.4	3386.8	3684.9	4359.5	5246.8	5313.5
30°	3835.7	3801.8	3783.1	3675.6	3599.6	3605.4	3858.0	4515.0	5594.0	5701.6
32.5°	4343.1	4290.5	4240.3	4063.7	3924.6	3879.0	4081.3	4730.1	5970.5	6142.3
35°	4911.3	4869.2	4815.4	4543.0	4329.1	4223.9	4382.9	5030.5	6411.2	6683.6
37.5°	5458.4	5422.2	5447.9	5080.8	4804.9	4651.8	4778.0	5433.9	6954.9	7357.0
40°	6024.3	5996.2	5999.7	5649.0	5327.5	5155.6	5257.4	5940.1	7578.0	8157.8
42.5°	6639.2	6618.2	6548.0	6237.0	5875.8	5715.6	5809.2	6524.6	8246.7	9069.7
45°	7327.8	7314.9	7249.5	6892.9	6479.0	6299.0	6425.3	7170.0	8918.9	9927.8
47.5°	7922.9	7933.4	7925.2	7624.7	7195.7	6931.5	7082.3	7843.4	9544.4	10734.5
50°	8209.3	8264.2	8344.9	8251.4	7984.8	7715.9	7745.2	8493.4	10140.6	11490.9
52.5°	8059.6	8163.7	8383.5	8533.1	8636.0	8579.9	8501.5	9138.7	10701.8	12173.6
55°	7502.0	7648.1	8012.9	8374.1	8899.0	9307.0	9409.9	9854.2	11248.9	12774.5
57.5°	6486.1	6723.4	7050.7	7781.4	8665.2	9658.9	10469.1	10846.7	11828.7	13416.4
60°	4744.1	5062.1	5469.0	6556.2	7846.9	9470.7	11370.5	12371.2	12652.9	14247.6
62.5°	3036.1	3232.5	3606.6	4630.7	6114.3	8506.2	11646.4	14276.8	14050.0	15610.7
65°	2078.6	2204.9	2547.4	3122.6	3952.7	6331.7	10907.5	15705.4	16268.9	17771.2
67.5°	1510.5	1606.3	1898.6	2402.5	2575.5	3746.9	8464.1	15639.9	18425.9	19997.1
70°	1101.3	1169.1	1414.6	1898.6	1981.6	2084.5	5127.6	13294.8	18379.1	20588.7
72.5°	816.0	862.8	1027.6	1473.0	1604.0	1407.6	2538.1	9662.4	15793.1	18622.3
75°	590.4	625.5	747.0	1127.0	1283.6	1072.0	1266.1	5646.7	11016.2	13099.5
77.5°	451.3	478.2	557.7	825.4	1027.6	804.3	785.6	2597.7	5223.4	5249.2
80°	362.4	380.0	423.2	581.0	788.0	602.1	512.1	1048.7	1650.7	1397.1
82.5°	266.6	295.8	357.7	408.0	563.5	415.0	312.1	529.6	627.8	540.1
85°	152.0	171.9	216.3	292.3	360.1	253.7	178.9	235.0	292.3	239.7
87.5°	53.8	70.1	76.0	114.6	156.7	105.2	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°
3230.2	0°	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2	3230.2
3265.2	2.5°	3253.5	3247.7	3224.3	3192.8	3160.0	3128.5	3117.9	3095.7	3080.5	3072.3
3341.2	5°	3319.0	3300.3	3245.4	3175.2	3101.6	3022.1	2966.0	2914.5	2877.1	2842.0
3445.3	7.5°	3412.5	3379.8	3285.1	3162.4	3031.4	2899.3	2801.1	2726.3	2676.0	2643.3
3566.9	10°	3521.3	3471.0	3326.0	3142.5	2940.2	2750.8	2635.1	2570.8	2539.2	2521.7
3706.0	12.5°	3646.4	3575.0	3368.1	3096.9	2801.1	2584.8	2505.3	2486.6	2487.8	2489.0
3881.3	15°	3800.7	3701.3	3402.0	2997.5	2619.9	2457.4	2443.4	2473.8	2505.3	2520.5
4080.1	17.5°	3974.9	3834.6	3407.9	2833.8	2442.2	2375.6	2420.0	2485.5	2533.4	2554.4
4302.2	20°	4161.9	3970.2	3365.8	2602.4	2296.1	2308.9	2388.4	2472.6	2525.2	2552.1
4555.9	22.5°	4375.9	4115.2	3265.2	2359.2	2176.8	2236.4	2330.0	2411.8	2466.8	2493.6
4854.0	25°	4620.2	4277.7	3107.4	2154.6	2073.9	2154.6	2248.1	2315.9	2360.4	2384.9
5187.2	27.5°	4891.4	4447.2	2897.0	1992.1	1983.9	2070.4	2147.6	2200.2	2223.6	2242.3
5541.4	30°	5163.8	4601.5	2642.1	1869.4	1905.6	1987.4	2042.4	2065.8	2072.8	2076.3
5936.6	32.5°	5458.4	4734.8	2374.4	1767.6	1830.8	1906.8	1939.5	1950.0	1917.3	1895.1
6415.9	35°	5815.0	4877.4	2112.5	1687.0	1757.1	1822.6	1833.1	1823.8	1785.2	1739.6
7016.8	37.5°	6255.7	5055.1	1903.3	1629.7	1688.2	1731.4	1718.5	1716.2	1719.7	1665.9
7739.3	40°	6795.9	5286.6	1750.1	1585.3	1632.0	1641.4	1605.1	1625.0	1642.6	1560.7
8531.9	42.5°	7395.6	5566.0	1653.1	1554.9	1585.3	1563.1	1506.9	1529.2	1526.8	1419.3
9328.1	45°	8007.0	5869.9	1619.2	1532.7	1542.0	1497.6	1435.6	1441.5	1392.4	1295.3
10091.5	47.5°	8614.9	6196.1	1640.2	1514.0	1488.2	1438.0	1390.0	1364.3	1291.8	1219.3
10823.3	50°	9211.2	6538.7	1717.4	1476.5	1414.6	1385.4	1350.3	1304.7	1227.5	1165.6
11515.4	52.5°	9764.2	6883.5	1803.9	1414.6	1322.2	1339.8	1317.6	1264.9	1189.0	1125.8
12170.1	55°	10287.9	7228.4	1837.8	1329.2	1235.7	1300.0	1287.2	1190.1	1098.9	1047.5
12855.2	57.5°	10858.4	7643.4	1800.4	1220.5	1165.6	1254.4	1205.3	1097.8	1045.2	1006.6
13747.2	60°	11648.7	8294.6	1719.7	1086.1	1098.9	1186.6	1102.4	1058.0	1000.7	957.5
15084.6	62.5°	12961.6	9509.3	1589.9	952.8	1020.6	1086.1	1053.3	1008.9	950.5	908.4
17371.4	65°	14902.3	11197.4	1345.6	848.8	932.9	987.9	1000.7	956.3	895.5	851.1
19375.2	67.5°	16539.0	12256.6	1018.3	762.2	842.9	908.4	944.6	901.4	837.1	793.8
19844.0	70°	16448.9	11487.4	777.4	676.9	763.4	830.0	876.8	842.9	773.9	733.0
18024.9	72.5°	14610.0	9609.8	629.0	590.4	682.7	748.2	804.3	778.6	708.5	668.7
13204.8	75°	10733.3	6821.6	502.7	502.7	582.2	662.9	724.8	708.5	644.2	616.1
5543.8	77.5°	4524.3	2861.9	394.0	417.4	484.0	569.3	646.5	652.3	596.2	631.3
1466.0	80°	1203.0	789.1	300.5	328.5	380.0	470.0	562.3	560.0	499.2	466.5
544.8	82.5°	458.3	311.0	213.9	231.5	274.7	360.1	445.4	459.4	398.7	344.9
213.9	85°	176.5	133.3	132.1	139.1	160.2	238.5	336.7	348.4	300.5	254.9
59.6	87.5°	45.6	39.7	49.1	46.8	73.7	127.4	192.9	199.9	183.5	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°
3230.2
3081.7
2856.1
2650.3
2526.4
2491.3
2519.4
2559.1
2559.1
2500.7
2391.9
2249.3
2084.5
1902.1
1741.9
1669.4
1563.1
1418.1
1298.8
1219.3
1160.9
1127.0
1042.8
1003.1
955.1
908.4
853.4
795.0
736.5
668.7
607.9
572.8
433.7
344.9
263.0
152.0
0.0

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