

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: P850373

Luminaire Tested: **GLAN-SB7D-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850373
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-SB7D-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59396 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

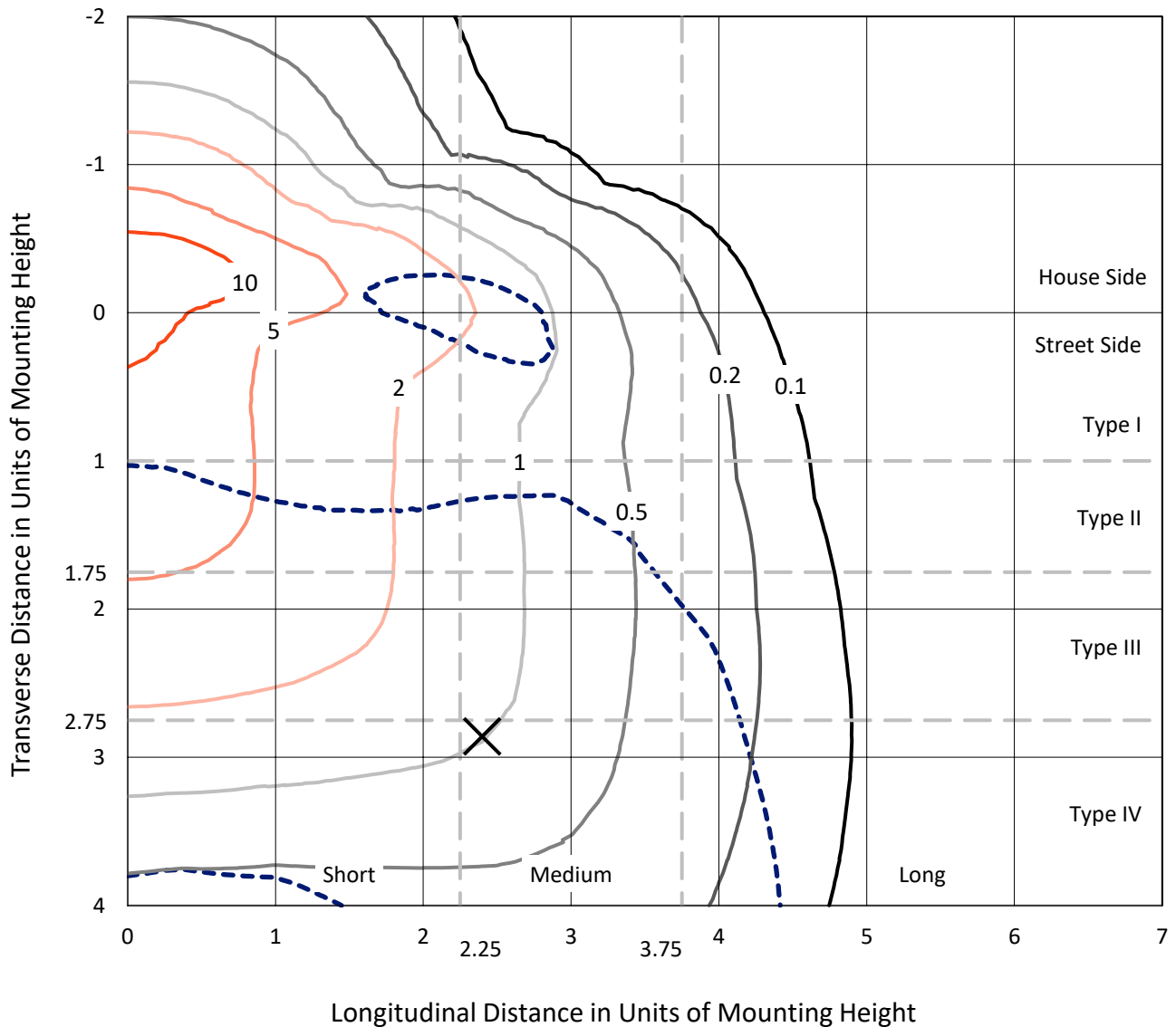
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

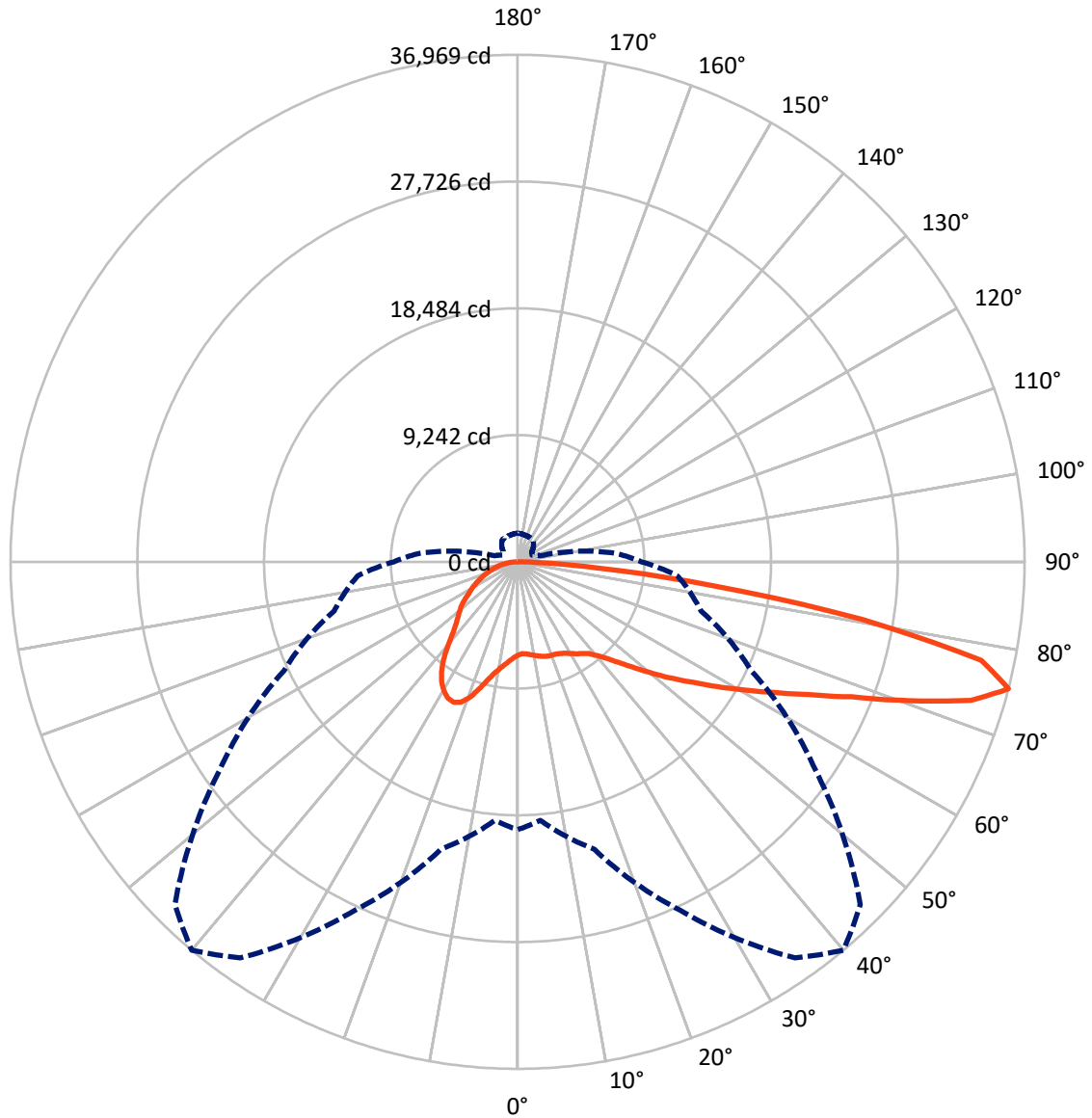
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	18402.9	0.0	18402.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	40993.1	0.0	40993.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	59396.0	0.0	59396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.0	1.1
10°-20°	2276.3	3.8
20°-30°	4156.3	7.0
30°-40°	5894.7	9.9
40°-50°	7959.7	13.4
50°-60°	10707.9	18.0
60°-70°	13590.8	22.9
70°-80°	12334.5	20.8
80°-90°	1798.0	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°	59396.0	100.0
0°-180°	59396.0	100.0

Coefficient of Utilization

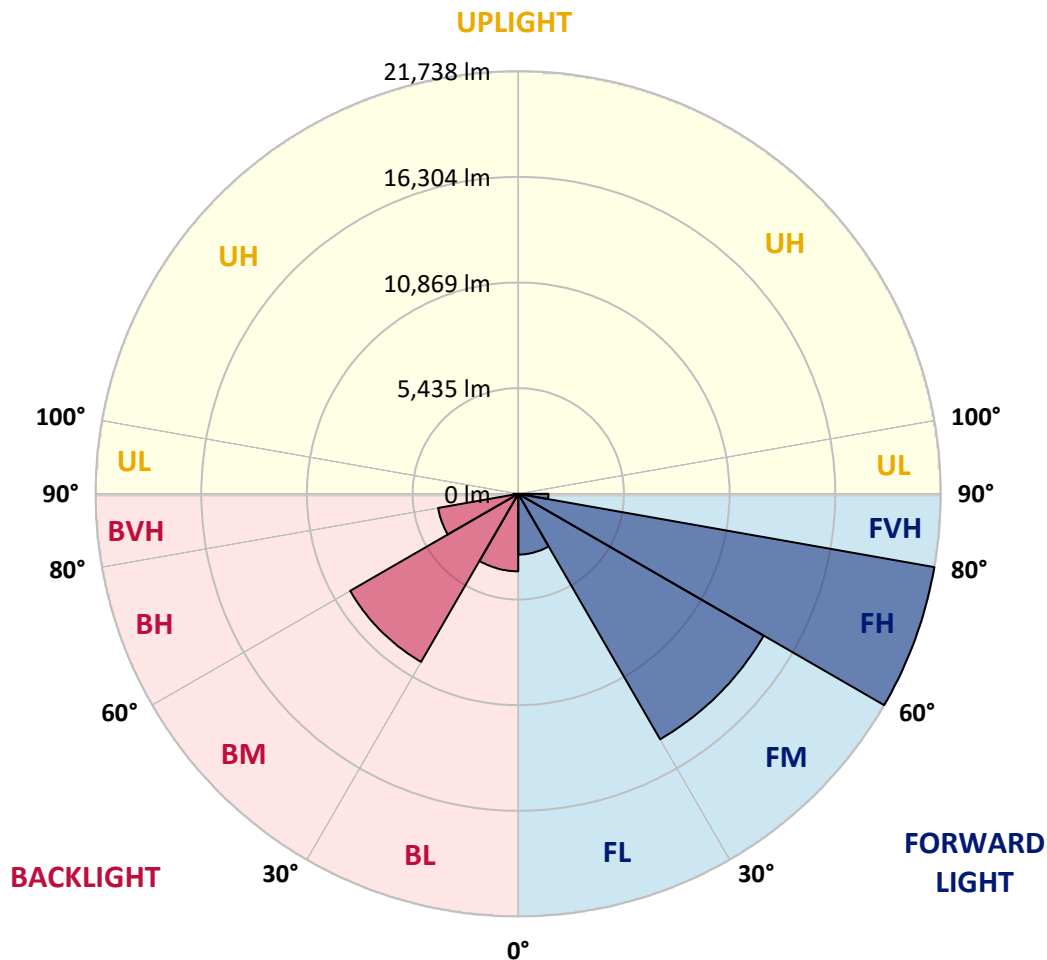


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3124.3	5.3			
FM (30°-60°)	14580.4	24.5			
FH (60°-80°)	21738.0	36.6			G5
FVH (80°-90°)	1550.4	2.6			G5
BL (0°-30°)	3986.2	6.7	B4/5000		
BM (30°-60°)	9981.9	16.8	B5		
BH (60°-80°)	4187.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	247.5	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0
2.5°	6688.1	6725.9	6716.4	6703.8	6703.8	6707.0	6703.8	6725.9	6747.9	6770.0
5°	6757.4	6795.2	6776.3	6760.5	6747.9	6744.8	6735.3	6732.2	6744.8	6773.1
7.5°	6892.8	6930.6	6902.3	6873.9	6848.7	6836.1	6823.5	6804.6	6795.2	6810.9
10°	7044.0	7081.8	7047.2	6996.8	6955.8	6940.1	6927.5	6908.6	6896.0	6905.4
12.5°	7195.2	7233.1	7185.8	7116.5	7062.9	7053.5	7037.7	7031.4	7028.3	7025.1
15°	7337.0	7368.5	7308.7	7226.8	7170.0	7154.3	7138.5	7148.0	7163.7	7182.6
17.5°	7447.3	7478.8	7390.6	7283.5	7229.9	7223.6	7214.1	7245.7	7289.8	7337.0
20°	7548.1	7579.6	7466.2	7321.3	7258.3	7258.3	7261.4	7327.6	7390.6	7459.9
22.5°	7689.8	7715.0	7576.4	7378.0	7286.6	7292.9	7318.1	7384.3	7463.0	7557.5
25°	7900.9	7919.8	7749.7	7485.1	7381.1	7400.0	7422.1	7453.6	7529.2	7639.4
27.5°	8241.1	8256.9	8033.2	7674.1	7516.6	7548.1	7579.6	7557.5	7592.2	7686.7
30°	8720.0	8729.4	8445.9	7970.2	7746.5	7762.3	7768.6	7677.2	7611.1	7686.7
32.5°	9287.0	9283.9	8946.8	8329.4	8008.0	7992.3	7938.7	7759.1	7604.8	7670.9
35°	10166.0	10131.3	9696.6	8833.4	8304.1	8206.5	8080.5	7850.5	7636.3	7655.2
37.5°	11621.4	11514.3	10912.6	9658.8	8745.2	8496.3	8310.4	7998.6	7705.6	7648.9
40°	13262.7	13127.2	12465.7	10789.7	9406.7	9006.7	8707.4	8209.6	7819.0	7677.2
42.5°	15209.6	15017.4	14305.4	12122.3	10244.7	9665.1	9214.6	8477.4	7986.0	7768.6
45°	17600.6	17345.5	16337.4	13625.0	11300.1	10528.2	9926.5	8883.8	8241.1	7945.0
47.5°	20016.9	20079.9	18646.5	15345.0	12566.5	11593.0	10818.1	9495.0	8612.9	8228.5
50°	22584.4	22628.5	20943.1	17251.0	14003.0	12796.5	11819.9	10178.6	9129.5	8631.8
52.5°	24588.0	24594.3	23028.6	19245.1	15499.4	14119.6	12900.4	10959.8	9728.1	9167.3
55°	25841.8	25826.0	24490.3	21132.1	17219.5	15508.8	14097.5	11848.2	10458.9	9797.4
57.5°	26752.2	26705.0	25498.4	22754.5	19052.9	17150.1	15452.1	12856.3	11322.1	10547.1
60°	27098.7	27070.4	26182.0	24156.4	20980.9	18964.7	17014.7	13984.1	12301.9	11432.4
62.5°	27231.1	27284.6	26853.0	25514.1	23044.3	20974.6	18731.6	15332.4	13404.5	12434.2
65°	27697.3	27795.0	27706.7	27290.9	25375.5	23327.9	21009.2	16935.9	14607.9	13508.4
67.5°	28620.3	28718.0	28755.8	29417.3	28223.4	26260.8	23850.8	18933.2	16016.0	14623.6
70°	28598.3	28569.9	29237.8	31109.1	31789.5	30321.5	27681.5	21390.4	17695.1	15549.8
72.5°	26030.8	25804.0	27382.3	31090.2	34757.1	34561.8	32359.7	24559.6	19144.3	15663.2
75°	19528.6	18923.8	21711.8	28018.6	35251.7	36968.6	35333.6	26525.4	18800.9	13839.2
77.5°	8351.4	7743.4	11029.1	20741.5	31550.1	34558.6	32605.4	23142.0	15008.0	9151.6
80°	2186.3	2183.1	3333.0	9403.6	21456.6	25520.4	22389.1	14944.9	8575.1	3270.0
82.5°	904.1	882.1	1225.5	3657.5	10484.1	14321.2	11687.6	6666.0	3096.7	885.2
85°	337.1	333.9	595.4	1263.3	3698.4	5906.8	4274.9	1704.3	771.8	431.6
87.5°	94.5	91.4	129.2	437.9	901.0	1367.2	730.9	280.4	217.4	170.1
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°
6792.0	0°	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0	6792.0
6804.6	2.5°	6814.1	6829.8	6858.2	6880.2	6908.6	6940.1	6984.2	7012.5	7040.9	7059.8
6820.4	5°	6842.4	6877.1	6949.5	7022.0	7107.0	7185.8	7277.2	7343.3	7396.9	7412.6
6877.1	7.5°	6905.4	6962.1	7085.0	7207.8	7343.3	7472.5	7604.8	7718.2	7809.6	7844.2
6977.9	10°	7015.7	7091.3	7264.6	7437.8	7617.4	7815.9	7986.0	8149.8	8278.9	8332.5
7097.6	12.5°	7154.3	7248.8	7475.6	7715.0	7963.9	8238.0	8458.5	8660.1	8820.8	8893.3
7264.6	15°	7333.9	7456.7	7746.5	8067.9	8433.3	8814.5	9094.9	9318.5	9498.1	9586.3
7437.8	17.5°	7529.2	7693.0	8058.4	8543.6	9066.5	9567.4	9895.0	10058.9	10244.7	10329.8
7598.5	20°	7718.2	7919.8	8442.8	9148.4	9844.6	10377.0	10641.7	10685.8	10698.4	10707.8
7749.7	22.5°	7913.5	8184.4	8924.8	9910.8	10657.4	11026.0	11063.8	10874.8	10610.2	10487.3
7897.8	25°	8127.7	8486.9	9554.8	10751.9	11356.8	11400.9	11111.1	10651.1	10150.2	9920.2
8017.5	27.5°	8335.7	8836.5	10310.9	11555.2	11860.8	11473.3	10849.6	10197.5	9592.6	9350.0
8102.5	30°	8543.6	9236.6	11145.7	12257.8	12090.8	11293.8	10436.9	9709.2	9101.2	8846.0
8178.1	32.5°	8754.6	9702.9	12106.5	12764.9	12049.8	10912.6	9923.4	9161.0	8625.5	8357.7
8244.3	35°	8994.1	10276.2	13017.0	13042.2	11775.8	10351.8	9246.1	8505.8	8039.5	7825.3
8323.0	37.5°	9305.9	11003.9	13820.3	13111.5	11296.9	9529.6	8405.0	7730.8	7346.5	7248.8
8439.6	40°	9693.4	11879.7	14434.6	13001.2	10588.1	8531.0	7485.1	6946.4	6729.0	6751.1
8597.1	42.5°	10197.5	12859.5	14866.2	12717.7	9602.1	7500.8	6678.6	6439.2	6543.1	6631.3
8833.4	45°	10852.7	13877.0	15134.0	12235.7	8486.9	6628.2	6202.9	6259.6	6338.4	6347.8
9214.6	47.5°	11690.7	14907.1	15310.4	11508.0	7349.6	6013.9	5900.5	5913.1	5897.3	5831.2
9784.8	50°	12736.6	15908.9	15467.9	10544.0	6382.5	5629.6	5478.3	5434.2	5216.9	5002.7
10544.0	52.5°	13927.4	16828.8	15534.0	9346.9	5629.6	5308.2	5062.5	4785.3	4378.9	4312.7
11498.5	55°	15250.5	17679.4	15363.9	7875.7	4996.4	4895.5	4523.8	4189.9	4145.8	4089.1
12755.5	57.5°	16832.0	18596.1	15017.4	6234.4	4347.4	4413.5	4051.3	4089.1	4010.3	3922.1
14371.6	60°	18561.5	19544.4	14409.4	4738.0	3676.4	3811.8	3928.4	3925.3	3903.2	3830.7
16075.9	62.5°	20117.7	20168.1	13212.3	3629.1	3087.3	3345.6	3663.8	3660.6	3641.7	3600.8
17855.8	65°	21043.9	20073.6	11215.0	2857.3	2602.1	2961.3	3304.6	3329.8	3333.0	3329.8
19194.7	67.5°	20880.1	18967.9	8474.3	2274.5	2202.0	2570.6	2948.7	2983.3	3008.5	3014.8
19364.8	70°	19027.7	16539.0	5525.6	1814.6	1846.1	2227.3	2611.6	2646.2	2668.3	2693.5
16803.6	72.5°	14831.5	12160.1	3162.9	1468.0	1534.2	1931.1	2277.7	2318.6	2331.2	2378.5
11693.9	75°	9038.2	7151.1	1707.5	1156.2	1260.1	1650.7	1946.9	1994.1	2016.2	2072.9
5743.0	77.5°	4297.0	3096.7	973.4	901.0	1014.4	1348.3	1644.4	1698.0	1638.1	1669.7
1584.6	80°	1452.3	1149.9	614.3	686.8	775.0	1052.2	1316.8	1370.4	1244.4	1238.1
526.1	82.5°	507.2	466.2	390.6	456.8	500.9	752.9	995.5	1064.8	926.2	923.0
236.3	85°	198.5	189.0	217.4	248.9	299.3	463.1	655.3	689.9	570.2	459.9
69.3	87.5°	41.0	44.1	53.6	56.7	91.4	160.7	236.3	289.8	230.0	195.3
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°
6792.0
7047.2
7418.9
7847.4
8335.7
8893.3
9580.0
10326.6
10733.0
10521.9
9954.9
9378.4
8874.3
8392.4
7872.6
7318.1
6826.7
6713.3
6410.8
5881.6
5031.0
4334.8
4098.5
3906.4
3805.5
3585.0
3329.8
3021.1
2706.1
2397.4
2079.2
1644.4
1225.5
878.9
453.6
179.6
0.0

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