

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: P851673

Luminaire Tested: **GLAN-SB9D-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851673
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-SB9D-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 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: 90160 lumens
Efficiency: N/A
Efficacy: 137.0 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

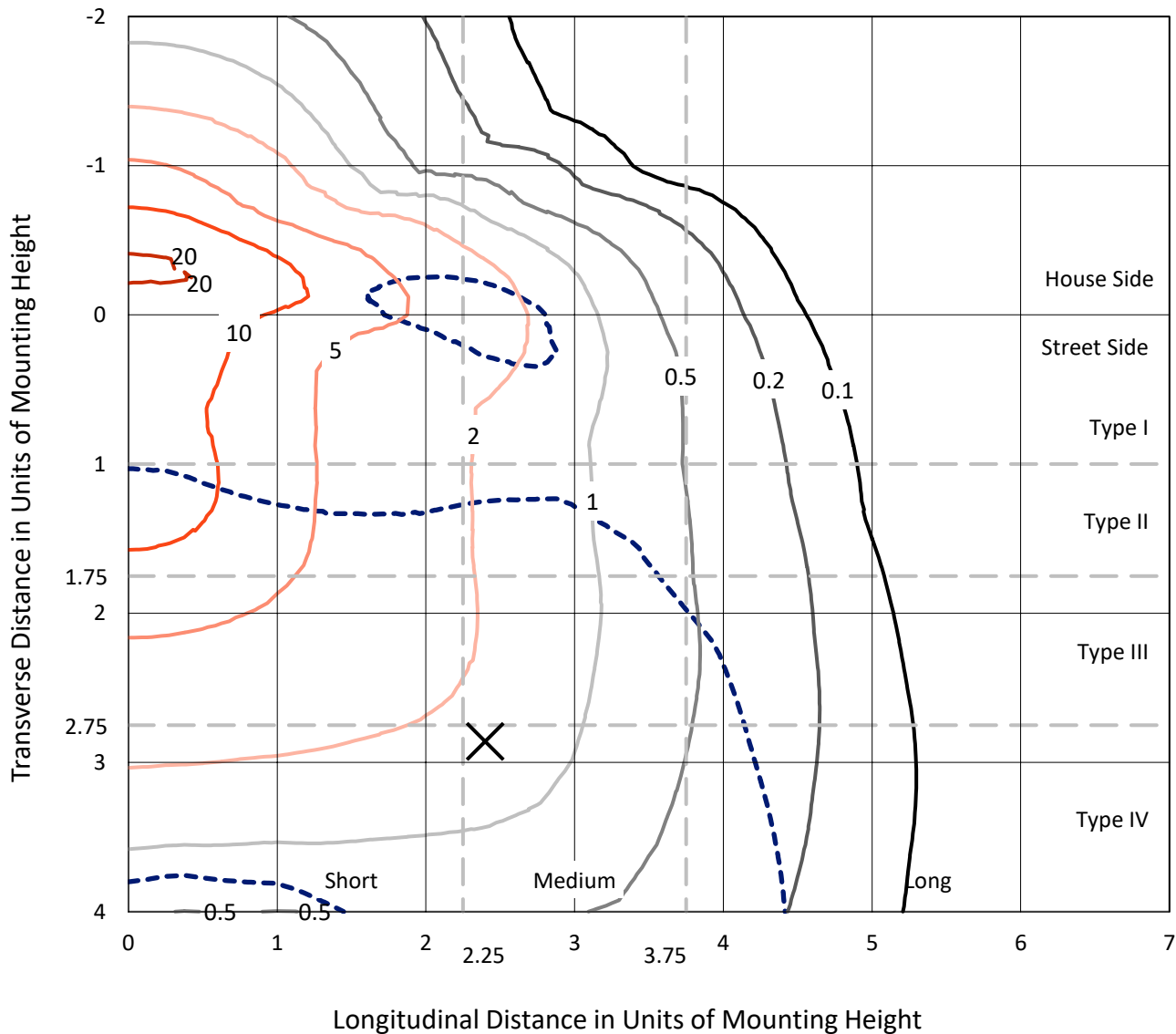
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

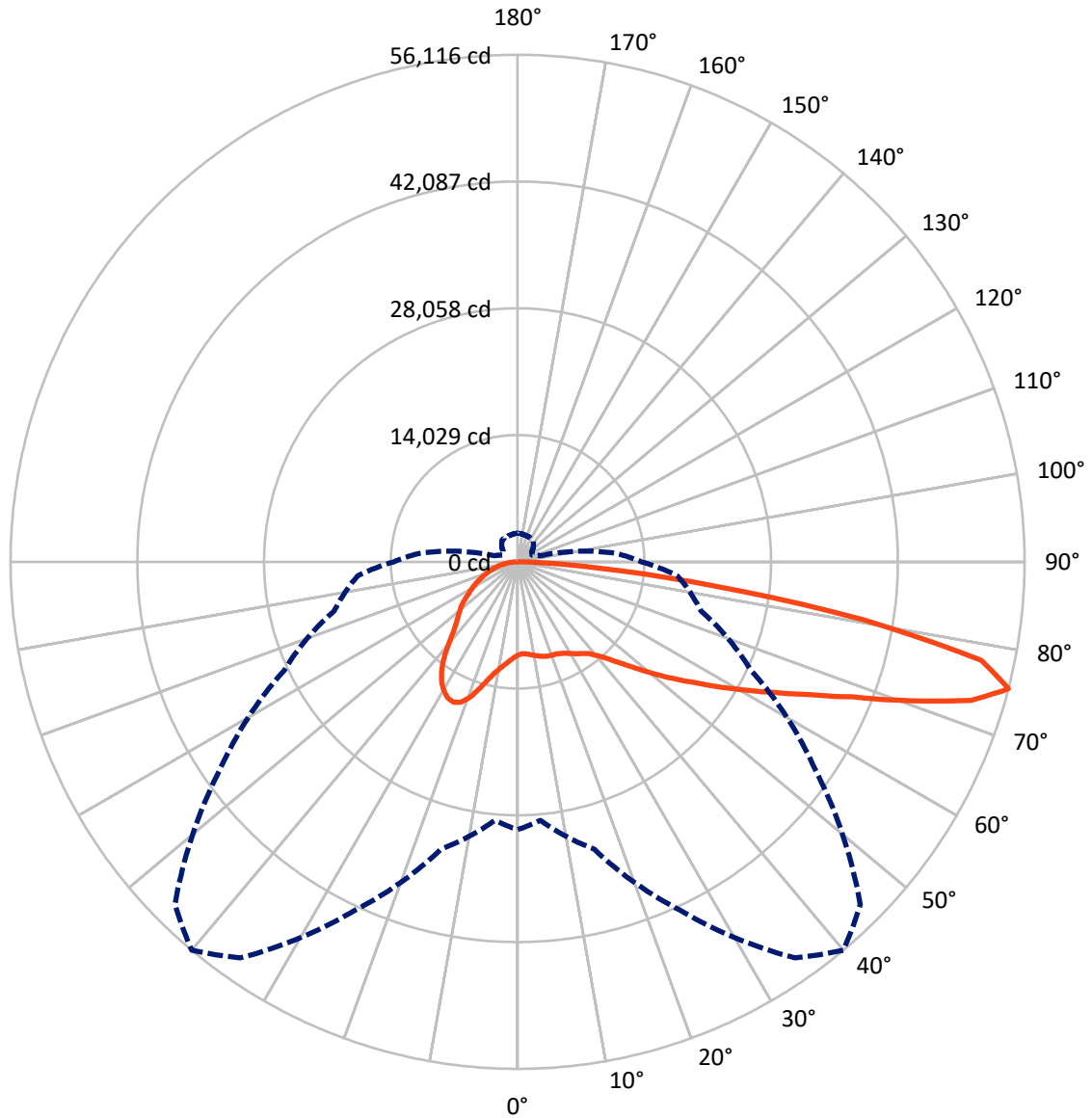
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.3 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	27934.6	0.0	27934.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	62225.4	0.0	62225.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	90160.0	0.0	90160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1029.1	1.1
10°-20°	3455.3	3.8
20°-30°	6309.0	7.0
30°-40°	8947.9	9.9
40°-50°	12082.4	13.4
50°-60°	16254.0	18.0
60°-70°	20630.1	22.9
70°-80°	18723.1	20.8
80°-90°	2729.2	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°	90160.0	100.0
0°-180°	90160.0	100.0

Coefficient of Utilization

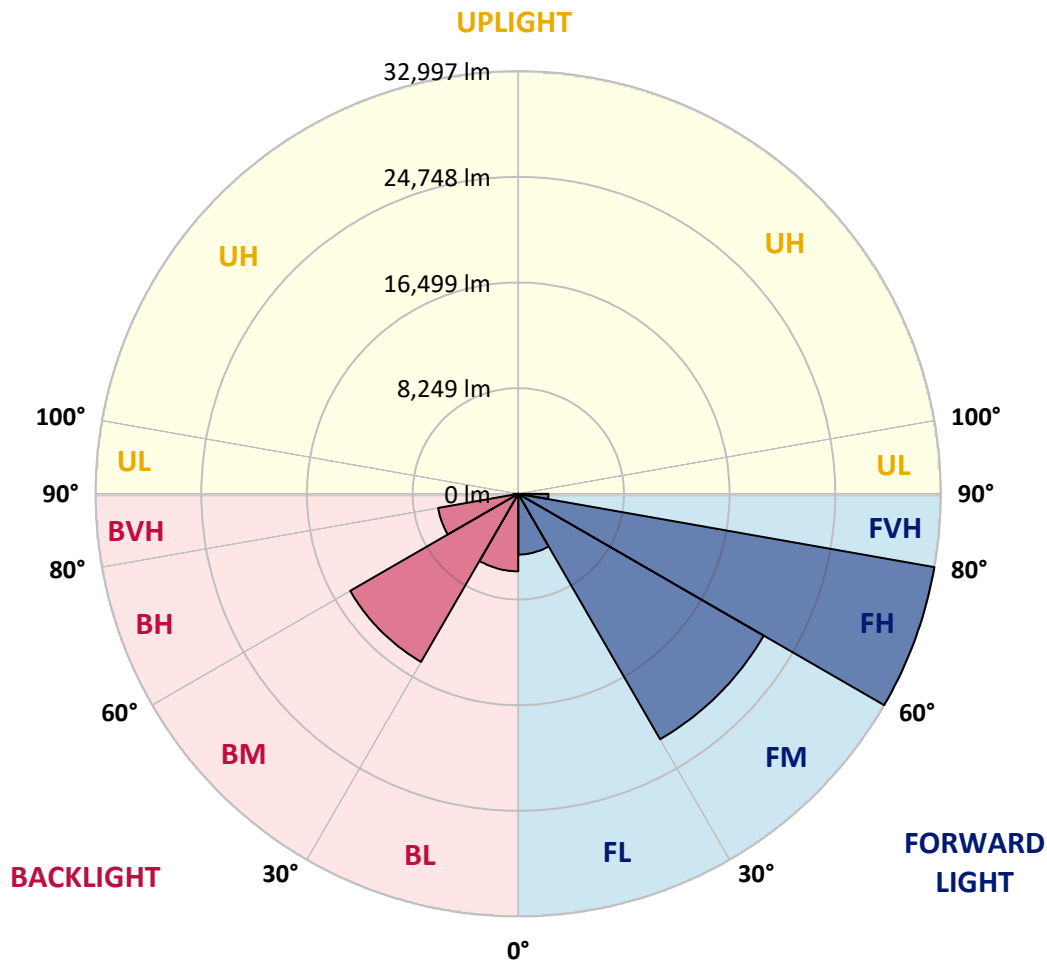


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4742.5	5.3			
FM	(30°-60°)	22132.3	24.5			
FH	(60°-80°)	32997.2	36.6			G5
FVH	(80°-90°)	2353.5	2.6			G5
BL	(0°-30°)	6050.9	6.7	B5		
BM	(30°-60°)	15152.0	16.8	B5		
BH	(60°-80°)	6355.9	7.0	B5		G5
BVH	(80°-90°)	375.8	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°	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9
2.5°	10152.1	10209.5	10195.1	10176.0	10176.0	10180.8	10176.0	10209.5	10243.0	10276.4
5°	10257.3	10314.7	10286.0	10262.1	10243.0	10238.2	10223.8	10219.1	10238.2	10281.2
7.5°	10462.9	10520.3	10477.3	10434.2	10396.0	10376.9	10357.7	10329.0	10314.7	10338.6
10°	10692.5	10749.9	10697.3	10620.7	10558.6	10534.7	10515.5	10486.8	10467.7	10482.1
12.5°	10922.0	10979.4	10907.7	10802.5	10721.2	10706.8	10682.9	10673.3	10668.6	10663.8
15°	11137.2	11185.0	11094.2	10969.8	10883.8	10859.8	10835.9	10850.3	10874.2	10902.9
17.5°	11304.6	11352.4	11218.5	11055.9	10974.6	10965.0	10950.7	10998.5	11065.5	11137.2
20°	11457.6	11505.4	11333.3	11113.3	11017.6	11017.6	11022.4	11122.9	11218.5	11323.7
22.5°	11672.8	11711.0	11500.6	11199.4	11060.7	11070.2	11108.5	11208.9	11328.5	11471.9
25°	11993.2	12021.9	11763.6	11361.9	11204.1	11232.8	11266.3	11314.1	11428.9	11596.3
27.5°	12509.6	12533.5	12194.0	11648.9	11409.8	11457.6	11505.4	11471.9	11524.5	11668.0
30°	13236.5	13250.8	12820.4	12098.4	11758.9	11782.8	11792.3	11653.6	11553.2	11668.0
32.5°	14097.2	14092.5	13580.8	12643.5	12155.8	12131.8	12050.6	11778.0	11543.7	11644.1
35°	15431.4	15378.8	14718.9	13408.6	12605.3	12457.0	12265.7	11916.7	11591.5	11620.2
37.5°	17640.7	17478.1	16564.7	14661.5	13274.7	12897.0	12614.8	12141.4	11696.7	11610.6
40°	20132.1	19926.4	18922.2	16378.2	14278.9	13671.6	13217.4	12461.8	11868.8	11653.6
42.5°	23087.3	22795.6	21714.9	18401.0	15550.9	14671.1	13987.2	12868.3	12122.3	11792.3
45°	26716.8	26329.5	24799.3	20682.0	17152.9	15981.3	15068.0	13485.1	12509.6	12060.1
47.5°	30384.6	30480.2	28304.4	23293.0	19075.3	17597.6	16421.3	14412.8	13073.9	12490.5
50°	34281.9	34348.9	31790.5	26186.0	21255.8	19424.3	17941.9	15450.5	13858.1	13102.6
52.5°	37323.2	37332.8	34956.2	29213.0	23527.3	21432.8	19582.1	16636.5	14766.7	13915.5
55°	39226.5	39202.5	37175.0	32077.4	26138.2	23541.6	21399.3	17985.0	15876.1	14871.9
57.5°	40608.4	40536.7	38705.2	34540.1	28921.3	26033.0	23455.5	19515.2	17186.4	16010.0
60°	41134.5	41091.4	39742.9	36668.1	31847.9	28787.4	25827.4	21227.1	18673.6	17353.8
62.5°	41335.3	41416.6	40761.5	38729.1	34980.1	31838.3	28433.6	23273.8	20347.3	18874.4
65°	42043.0	42191.3	42057.4	41426.2	38518.7	35410.4	31890.9	25707.8	22174.0	20505.1
67.5°	43444.2	43592.4	43649.8	44654.0	42841.6	39862.5	36204.3	28739.6	24311.5	22197.9
70°	43410.7	43367.6	44381.4	47221.9	48254.8	46026.4	42019.1	32469.5	26860.3	23603.8
72.5°	39513.4	39169.1	41564.8	47193.2	52759.4	52462.9	49120.3	37280.2	29060.0	23775.9
75°	29643.4	28725.3	32957.3	42530.8	53510.2	56116.4	53634.5	40264.1	28538.8	21007.2
77.5°	12677.0	11754.1	16741.7	31484.5	47891.4	52458.2	49493.3	35128.3	22781.3	13891.6
80°	3318.7	3313.9	5059.3	14274.2	32570.0	38738.7	33985.4	22685.6	13016.5	4963.7
82.5°	1372.4	1339.0	1860.2	5551.9	15914.4	21738.8	17741.1	10118.6	4700.7	1343.7
85°	511.7	506.9	903.8	1917.6	5614.0	8966.2	6489.1	2587.0	1171.6	655.1
87.5°	143.5	138.7	196.1	664.7	1367.6	2075.4	1109.4	425.6	330.0	258.2
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°
10309.9	0°	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9	10309.9
10329.0	2.5°	10343.4	10367.3	10410.3	10443.8	10486.8	10534.7	10601.6	10644.7	10687.7	10716.4
10353.0	5°	10386.4	10439.0	10549.0	10659.0	10788.1	10907.7	11046.3	11146.8	11228.1	11252.0
10439.0	7.5°	10482.1	10568.1	10754.6	10941.1	11146.8	11342.8	11543.7	11715.8	11854.5	11907.1
10592.1	10°	10649.4	10764.2	11027.2	11290.2	11562.8	11864.1	12122.3	12370.9	12567.0	12648.3
10773.8	12.5°	10859.8	11003.3	11347.6	11711.0	12088.8	12504.8	12839.6	13145.6	13389.5	13499.5
11027.2	15°	11132.4	11318.9	11758.9	12246.6	12801.3	13379.9	13805.5	14145.1	14417.6	14551.5
11290.2	17.5°	11428.9	11677.6	12232.3	12968.7	13762.5	14522.8	15020.2	15268.8	15550.9	15680.1
11534.1	20°	11715.8	12021.9	12815.7	13886.8	14943.6	15751.8	16153.5	16220.4	16239.6	16253.9
11763.6	22.5°	12012.3	12423.5	13547.3	15044.1	16177.4	16736.9	16794.3	16507.3	16105.7	15919.2
11988.4	25°	12337.5	12882.6	14503.7	16320.8	17239.0	17305.9	16866.0	16167.8	15407.5	15058.4
12170.1	27.5°	12653.1	13413.4	15651.4	17540.2	18004.1	17415.9	16469.1	15479.2	14561.1	14192.9
12299.2	30°	12968.7	14020.7	16918.6	18606.6	18353.2	17143.3	15842.6	14738.0	13815.1	13427.8
12414.0	32.5°	13289.1	14728.5	18377.1	19376.5	18291.0	16564.7	15063.2	13906.0	13093.0	12686.6
12514.4	35°	13652.5	15598.8	19759.1	19797.3	17875.0	15713.5	14035.1	12911.3	12203.6	11878.4
12634.0	37.5°	14125.9	16703.4	20978.5	19902.5	17148.1	14465.4	12758.3	11734.9	11151.5	11003.3
12810.9	40°	14714.1	18032.8	21911.0	19735.2	16072.2	12949.6	11361.9	10544.2	10214.3	10247.8
13050.0	42.5°	15479.2	19520.0	22566.1	19304.8	14575.4	11385.9	10137.8	9774.3	9932.1	10066.0
13408.6	45°	16473.9	21064.6	22972.6	18573.2	12882.6	10061.3	9415.7	9501.8	9621.3	9635.7
13987.2	47.5°	17745.9	22628.3	23240.3	17468.5	11156.3	9128.8	8956.6	8975.7	8951.8	8851.4
14852.8	50°	19333.5	24148.9	23479.4	16005.2	9688.3	8545.4	8315.8	8248.9	7918.9	7593.8
16005.2	52.5°	21141.1	25545.3	23579.9	14188.1	8545.4	8057.6	7684.6	7263.8	6646.9	6546.5
17454.2	55°	23149.5	26836.4	23321.6	11954.9	7584.2	7431.2	6866.9	6360.0	6293.1	6207.0
19362.2	57.5°	25550.0	28227.9	22795.6	9463.5	6599.1	6699.5	6149.6	6207.0	6087.4	5953.5
21815.3	60°	28175.3	29667.3	21872.7	7192.1	5580.6	5786.2	5963.1	5958.3	5924.9	5814.9
24402.4	62.5°	30537.6	30614.1	20055.6	5508.8	4686.3	5078.4	5561.4	5556.6	5528.0	5465.8
27104.2	65°	31943.5	30470.7	17023.8	4337.2	3949.9	4495.0	5016.3	5054.5	5059.3	5054.5
29136.5	67.5°	31694.9	28792.2	12863.5	3452.6	3342.6	3902.1	4475.9	4528.5	4566.8	4576.3
29394.7	70°	28883.1	25105.3	8387.6	2754.4	2802.2	3380.8	3964.2	4016.9	4050.3	4088.6
25507.0	72.5°	22513.5	18458.4	4801.1	2228.4	2328.8	2931.3	3457.4	3519.5	3538.7	3610.4
17750.7	75°	13719.5	10855.1	2591.8	1755.0	1912.8	2505.7	2955.3	3027.0	3060.5	3146.5
8717.5	77.5°	6522.6	4700.7	1477.6	1367.6	1539.8	2046.7	2496.2	2577.5	2486.6	2534.4
2405.3	80°	2204.5	1745.4	932.5	1042.5	1176.4	1597.2	1998.9	2080.2	1888.9	1879.3
798.6	82.5°	769.9	707.7	593.0	693.4	760.3	1142.9	1511.1	1616.3	1405.9	1401.1
358.6	85°	301.3	286.9	330.0	377.8	454.3	702.9	994.6	1047.3	865.5	698.2
105.2	87.5°	62.2	66.9	81.3	86.1	138.7	243.9	358.6	439.9	349.1	296.5
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°
10309.9
10697.3
11261.5
11911.9
12653.1
13499.5
14542.0
15675.3
16292.2
15971.8
15111.0
14235.9
13470.8
12739.2
11950.1
11108.5
10362.5
10190.4
9731.3
8927.9
7636.8
6580.0
6221.3
5929.6
5776.6
5441.9
5054.5
4585.9
4107.7
3639.1
3156.1
2496.2
1860.2
1334.2
688.6
272.6
0.0

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