

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: P851713

Luminaire Tested: **GLAN-SB9D-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851713
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-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 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: 73255 lumens
Efficiency: N/A
Efficacy: 111.3 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

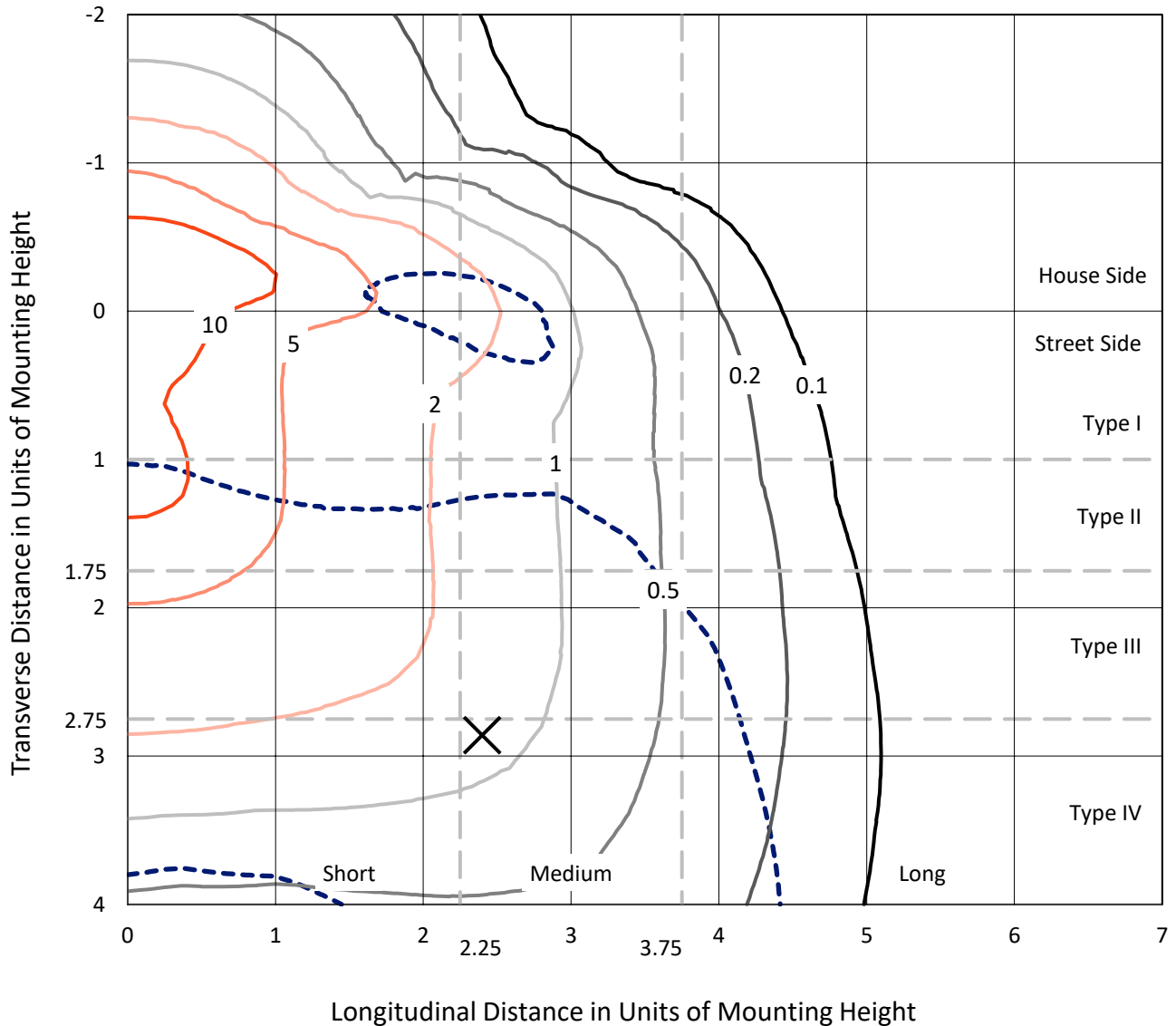
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

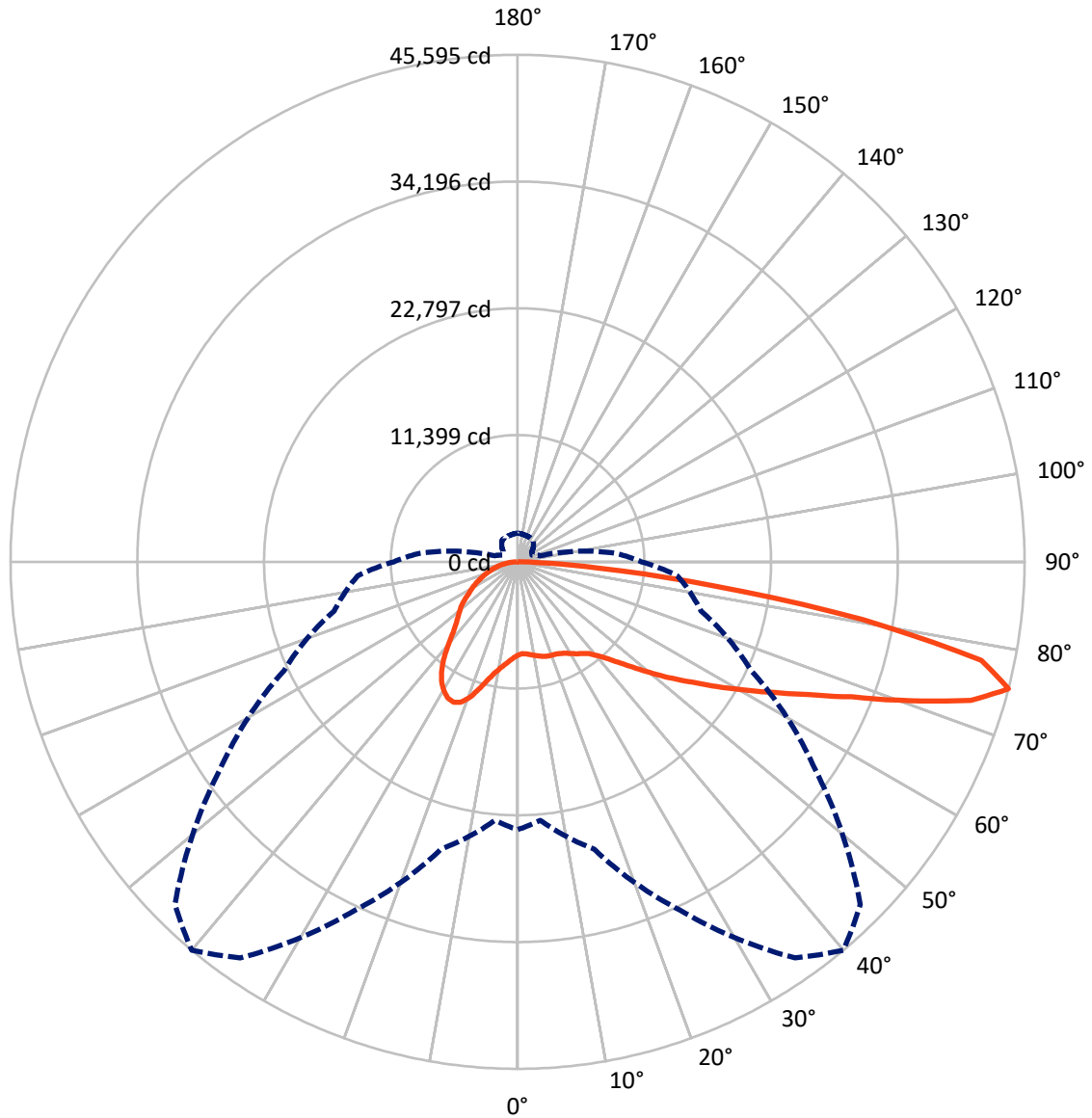
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 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	22696.8	0.0	22696.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	50558.2	0.0	50558.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	73255.0	0.0	73255.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.2	1.1
10°-20°	2807.4	3.8
20°-30°	5126.1	7.0
30°-40°	7270.2	9.9
40°-50°	9816.9	13.4
50°-60°	13206.4	18.0
60°-70°	16761.9	22.9
70°-80°	15212.5	20.8
80°-90°	2217.5	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°	73255.0	100.0
0°-180°	73255.0	100.0

Coefficient of Utilization

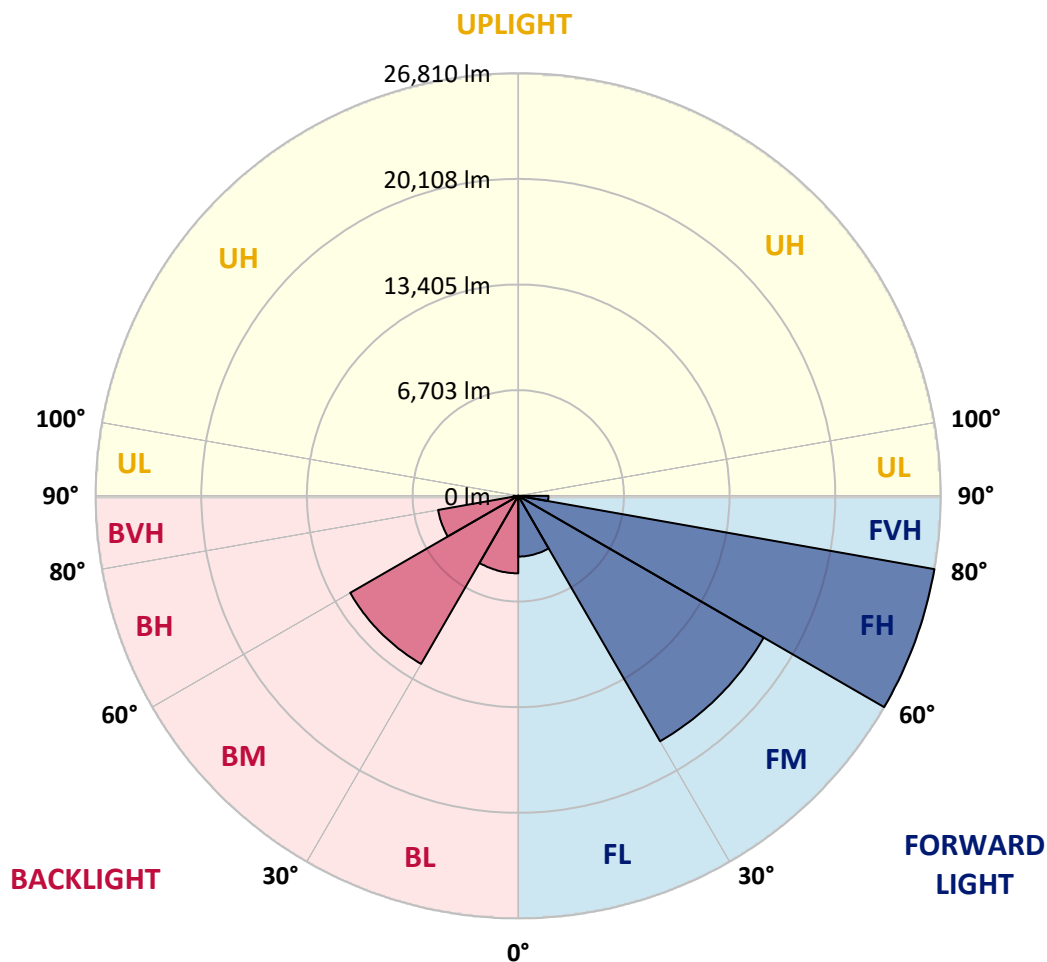


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3853.3	5.3			
FM (30°-60°)	17982.5	24.5			
FH (60°-80°)	26810.2	36.6			G5
FVH (80°-90°)	1912.2	2.6			G5
BL (0°-30°)	4916.3	6.7	B4/5000		
BM (30°-60°)	12311.0	16.8	B5		
BH (60°-80°)	5164.2	7.0	B5		G5
BVH (80°-90°)	305.3	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°	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8
2.5°	8248.6	8295.2	8283.6	8268.0	8268.0	8271.9	8268.0	8295.2	8322.4	8349.6
5°	8334.1	8380.7	8357.4	8338.0	8322.4	8318.5	8306.9	8303.0	8318.5	8353.5
7.5°	8501.1	8547.8	8512.8	8477.8	8446.7	8431.2	8415.7	8392.3	8380.7	8400.1
10°	8687.6	8734.3	8691.5	8629.4	8578.8	8559.4	8543.9	8520.6	8505.0	8516.7
12.5°	8874.1	8920.8	8862.5	8777.0	8710.9	8699.3	8679.9	8672.1	8668.2	8664.3
15°	9049.0	9087.8	9014.0	8913.0	8843.0	8823.6	8804.2	8815.9	8835.3	8858.6
17.5°	9185.0	9223.8	9115.0	8982.9	8916.9	8909.1	8897.4	8936.3	8990.7	9049.0
20°	9309.3	9348.1	9208.3	9029.5	8951.8	8951.8	8955.7	9037.3	9115.0	9200.5
22.5°	9484.1	9515.2	9344.3	9099.5	8986.8	8994.6	9025.7	9107.3	9204.4	9320.9
25°	9744.4	9767.8	9558.0	9231.6	9103.4	9126.7	9153.9	9192.7	9286.0	9422.0
27.5°	10164.1	10183.5	9907.6	9464.7	9270.4	9309.3	9348.1	9320.9	9363.7	9480.2
30°	10754.6	10766.3	10416.6	9829.9	9554.1	9573.5	9581.3	9468.6	9387.0	9480.2
32.5°	11454.0	11450.1	11034.4	10272.9	9876.6	9857.1	9791.1	9569.6	9379.2	9460.8
35°	12538.0	12495.3	11959.1	10894.5	10241.8	10121.3	9965.9	9682.3	9418.1	9441.4
37.5°	14333.0	14200.9	13458.8	11912.5	10785.7	10478.8	10249.5	9864.9	9503.6	9433.6
40°	16357.3	16190.2	15374.3	13307.3	11601.6	11108.2	10739.1	10125.2	9643.4	9468.6
42.5°	18758.5	18521.4	17643.4	14950.8	12635.1	11920.2	11364.6	10455.5	9849.4	9581.3
45°	21707.4	21392.7	20149.4	16804.1	13936.7	12984.8	12242.7	10956.7	10164.1	9798.8
47.5°	24687.5	24765.2	22997.4	18925.5	15498.6	14298.1	13342.3	11710.4	10622.5	10148.5
50°	27854.0	27908.4	25829.8	21276.2	17270.4	15782.3	14577.8	12553.6	11259.7	10645.8
52.5°	30325.1	30332.9	28401.9	23735.6	19115.9	17414.1	15910.5	13517.1	11997.9	11306.4
55°	31871.5	31852.1	30204.7	26062.9	21237.3	19127.6	17386.9	14612.8	12899.4	12083.4
57.5°	32994.4	32936.1	31448.0	28063.9	23498.6	21151.8	19057.6	15856.1	13963.9	13008.1
60°	33421.7	33386.8	32291.1	29792.8	25876.4	23389.8	20984.8	17247.1	15172.3	14099.9
62.5°	33584.9	33651.0	33118.7	31467.4	28421.3	25868.6	23102.3	18910.0	16532.1	15335.5
65°	34160.0	34280.4	34171.6	33658.8	31296.5	28771.0	25911.4	20887.6	18016.4	16660.4
67.5°	35298.4	35418.8	35465.4	36281.4	34808.8	32388.2	29416.0	23350.9	19753.1	18035.8
70°	35271.2	35236.2	36059.9	38367.8	39207.0	37396.5	34140.5	26381.5	21824.0	19178.1
72.5°	32104.6	31824.9	33771.4	38344.5	42867.0	42626.1	39910.3	30290.2	23611.3	19317.9
75°	24085.3	23339.3	26777.8	34556.3	43477.0	45594.5	43578.0	32714.6	23187.7	17068.3
77.5°	10300.1	9550.2	13602.6	25581.1	38911.7	42622.3	40213.3	28541.8	18509.8	11286.9
80°	2696.4	2692.5	4110.7	11597.8	26463.1	31475.2	27613.2	18432.1	10575.9	4033.0
82.5°	1115.1	1087.9	1511.4	4510.9	12930.4	17662.8	14414.6	8221.4	3819.3	1091.8
85°	415.7	411.8	734.3	1558.0	4561.4	7285.0	5272.4	2102.0	951.9	532.3
87.5°	116.6	112.7	159.3	540.1	1111.2	1686.2	901.4	345.8	268.1	209.8
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°
8376.8	0°	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8	8376.8
8392.3	2.5°	8404.0	8423.4	8458.4	8485.6	8520.6	8559.4	8613.8	8648.8	8683.7	8707.1
8411.8	5°	8439.0	8481.7	8571.1	8660.4	8765.3	8862.5	8975.2	9056.7	9122.8	9142.2
8481.7	7.5°	8516.7	8586.6	8738.1	8889.7	9056.7	9216.0	9379.2	9519.1	9631.8	9674.5
8606.0	10°	8652.7	8745.9	8959.6	9173.3	9394.8	9639.5	9849.4	10051.4	10210.7	10276.7
8753.7	12.5°	8823.6	8940.2	9219.9	9515.2	9822.2	10160.2	10432.2	10680.8	10879.0	10968.3
8959.6	15°	9045.1	9196.6	9554.1	9950.4	10401.1	10871.2	11217.0	11492.9	11714.3	11823.1
9173.3	17.5°	9286.0	9488.0	9938.7	10537.1	11182.0	11799.8	12203.9	12405.9	12635.1	12740.1
9371.5	20°	9519.1	9767.8	10412.7	11283.0	12141.7	12798.3	13124.7	13179.1	13194.6	13206.3
9558.0	22.5°	9760.0	10094.1	11007.2	12223.3	13144.1	13598.7	13645.3	13412.2	13085.8	12934.3
9740.6	25°	10024.2	10467.1	11784.3	13260.7	14006.7	14061.1	13703.6	13136.4	12518.6	12235.0
9888.2	27.5°	10280.6	10898.4	12716.7	14251.5	14628.3	14150.4	13381.1	12576.9	11830.9	11531.7
9993.1	30°	10537.1	11391.8	13746.4	15117.9	14912.0	13929.0	12872.2	11974.6	11224.8	10910.1
10086.4	32.5°	10797.4	11966.9	14931.4	15743.4	14861.5	13458.8	12238.8	11298.6	10638.1	10307.8
10168.0	35°	11092.7	12674.0	16054.3	16085.3	14523.4	12767.2	11403.5	10490.4	9915.4	9651.2
10265.1	37.5°	11477.3	13571.5	17045.0	16170.8	13932.9	11753.2	10366.1	9534.6	9060.6	8940.2
10408.8	40°	11955.2	14651.6	17802.7	16034.8	13058.6	10521.5	9231.6	8567.2	8299.1	8326.3
10603.1	42.5°	12576.9	15860.0	18334.9	15685.1	11842.5	9251.0	8236.9	7941.6	8069.9	8178.7
10894.5	45°	13385.0	17115.0	18665.2	15090.7	10467.1	8174.8	7650.2	7720.2	7817.3	7829.0
11364.6	47.5°	14418.5	18385.5	18882.8	14193.2	9064.5	7417.1	7277.3	7292.8	7273.4	7191.8
12067.9	50°	15708.5	19621.0	19077.1	13004.3	7871.7	6943.1	6756.6	6702.2	6434.1	6169.9
13004.3	52.5°	17177.1	20755.5	19158.6	11527.8	6943.1	6546.8	6243.8	5901.8	5400.6	5319.0
14181.5	55°	18809.0	21804.6	18948.8	9713.4	6162.2	6037.8	5579.4	5167.5	5113.1	5043.2
15731.8	57.5°	20759.4	22935.2	18521.4	7689.1	5361.8	5443.4	4996.6	5043.2	4946.0	4837.3
17725.0	60°	22892.5	24104.7	17771.6	5843.6	4534.2	4701.3	4845.0	4841.1	4813.9	4724.6
19826.9	62.5°	24811.8	24874.0	16295.1	4475.9	3807.6	4126.2	4518.7	4514.8	4491.5	4441.0
22022.1	65°	25954.1	24757.4	13831.8	3524.0	3209.3	3652.2	4075.7	4106.8	4110.7	4106.8
23673.4	67.5°	25752.1	23393.7	10451.6	2805.2	2715.9	3170.4	3636.7	3679.4	3710.5	3718.3
23883.2	70°	23467.5	20398.1	6814.9	2238.0	2276.8	2746.9	3221.0	3263.7	3290.9	3322.0
20724.4	72.5°	18292.2	14997.4	3900.9	1810.6	1892.2	2381.7	2809.1	2859.6	2875.2	2933.4
14422.4	75°	11147.1	8819.7	2105.9	1425.9	1554.1	2035.9	2401.1	2459.4	2486.6	2556.6
7083.0	77.5°	5299.6	3819.3	1200.6	1111.2	1251.1	1662.9	2028.2	2094.2	2020.4	2059.2
1954.3	80°	1791.1	1418.2	757.6	847.0	955.8	1297.7	1624.1	1690.1	1534.7	1526.9
648.9	82.5°	625.5	575.0	481.8	563.4	617.8	928.6	1227.8	1313.2	1142.3	1138.4
291.4	85°	244.8	233.1	268.1	306.9	369.1	571.1	808.2	850.9	703.2	567.3
85.5	87.5°	50.5	54.4	66.1	69.9	112.7	198.2	291.4	357.5	283.6	240.9
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°
8376.8
8691.5
9150.0
9678.4
10280.6
10968.3
11815.3
12736.2
13237.4
12977.1
12277.7
11566.7
10945.0
10350.6
9709.5
9025.7
8419.5
8279.7
7906.7
7253.9
6204.9
5346.2
5054.8
4817.8
4693.5
4421.5
4106.8
3726.0
3337.5
2956.7
2564.3
2028.2
1511.4
1084.0
559.5
221.5
0.0

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