

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: P851763

Luminaire Tested: **GLAN-SB9D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851763
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-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 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: 59167 lumens
Efficiency: N/A
Efficacy: 89.9 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

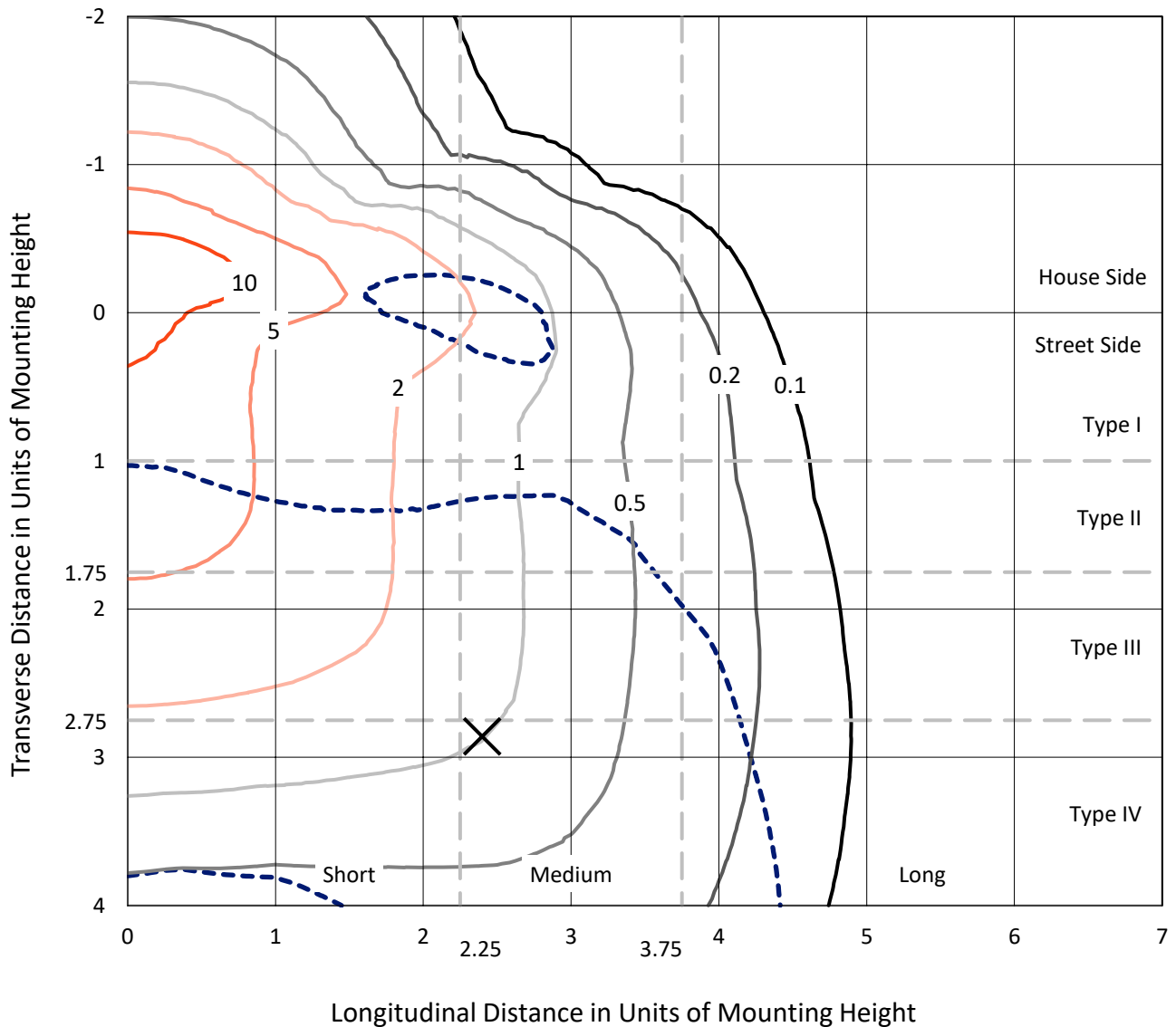
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

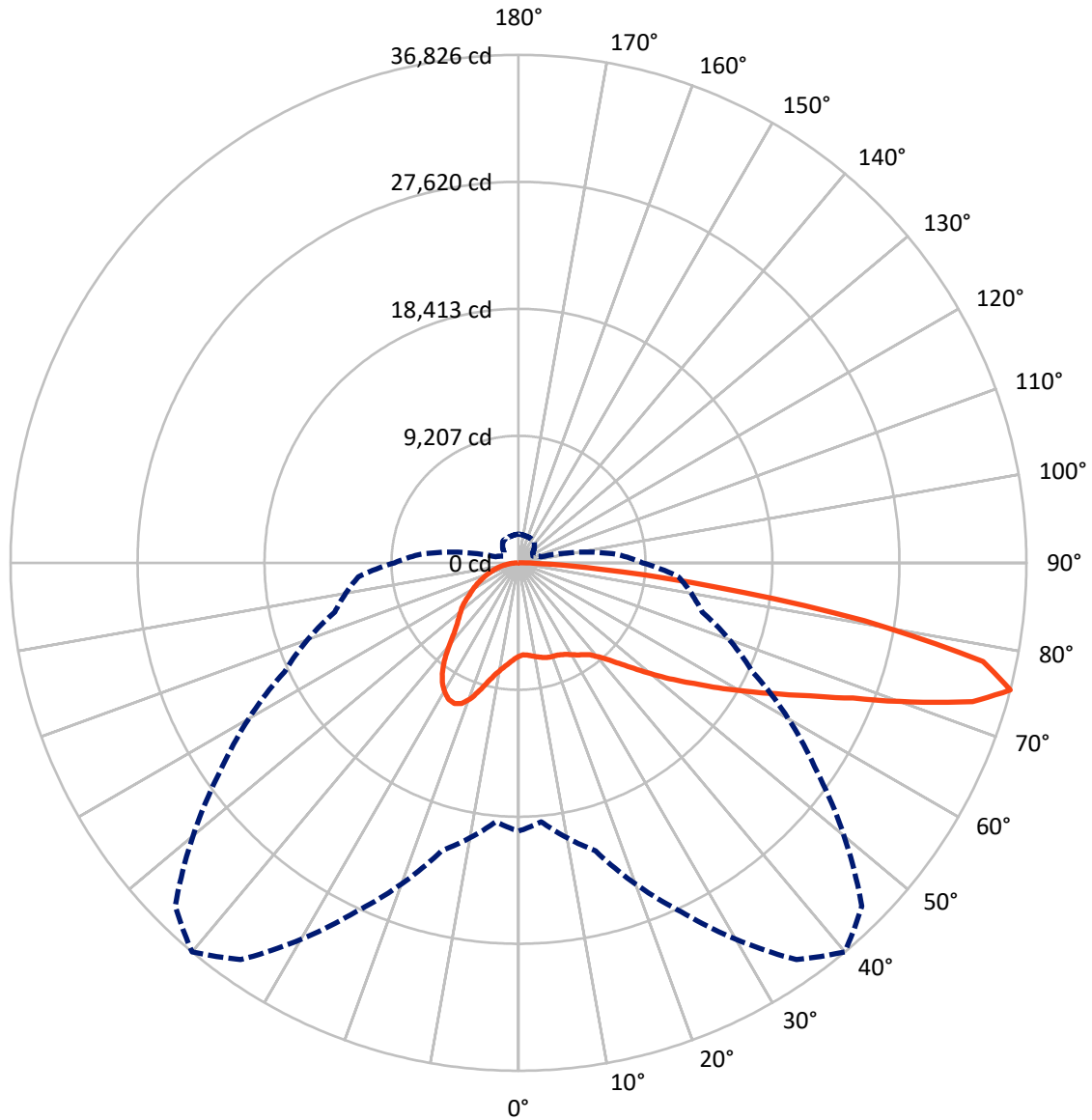
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	18331.9	0.0	18331.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	40835.1	0.0	40835.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	59167.0	0.0	59167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.4	1.1
10°-20°	2267.5	3.8
20°-30°	4140.2	7.0
30°-40°	5872.0	9.9
40°-50°	7929.0	13.4
50°-60°	10666.6	18.0
60°-70°	13538.4	22.9
70°-80°	12286.9	20.8
80°-90°	1791.0	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°	59167.0	100.0
0°-180°	59167.0	100.0

Coefficient of Utilization

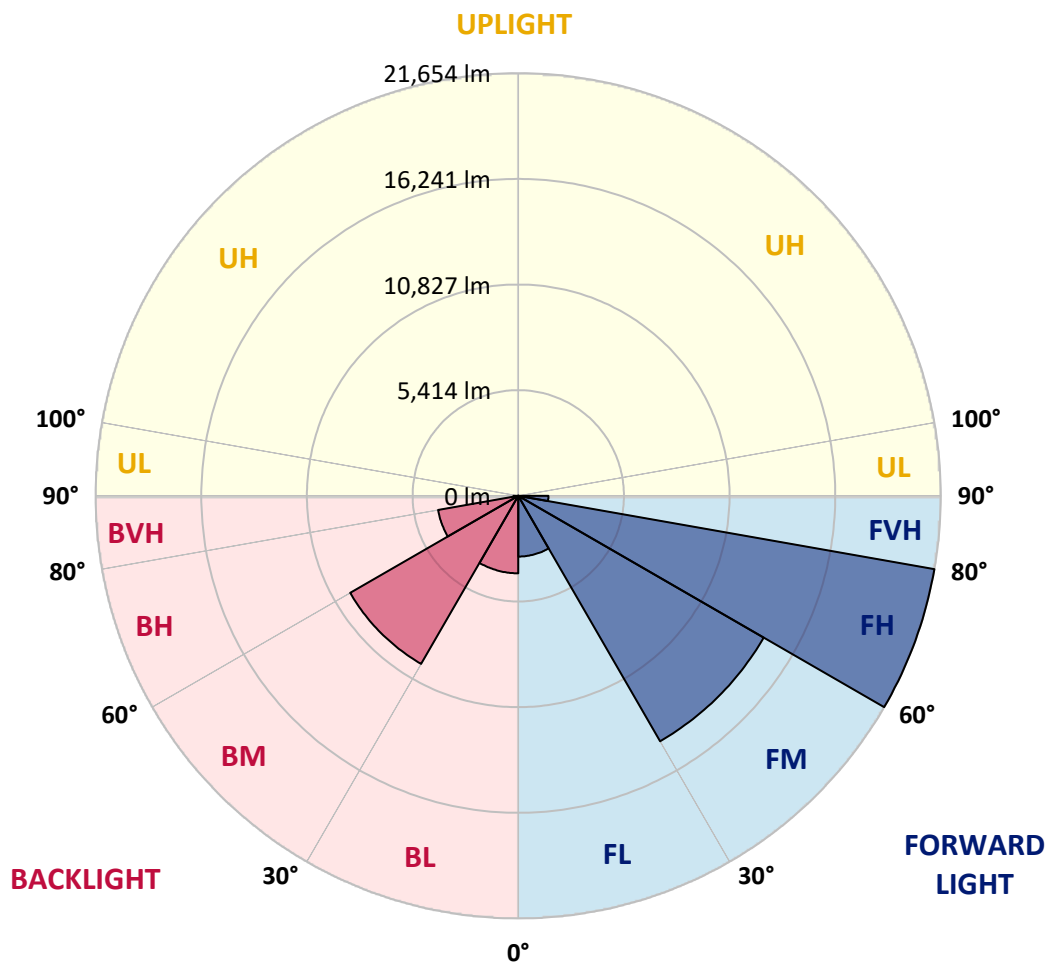


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3112.2	5.3			
FM (30°-60°)	14524.2	24.5			
FH (60°-80°)	21654.2	36.6			G5
FVH (80°-90°)	1544.5	2.6			G5
BL (0°-30°)	3970.9	6.7	B4/5000		
BM (30°-60°)	9943.4	16.8	B5		
BH (60°-80°)	4171.1	7.0	B4/5000		G4/5000
BVH (80°-90°)	246.6	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°	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8
2.5°	6662.3	6699.9	6690.5	6678.0	6678.0	6681.1	6678.0	6699.9	6721.9	6743.9
5°	6731.3	6769.0	6750.1	6734.4	6721.9	6718.8	6709.3	6706.2	6718.8	6747.0
7.5°	6866.2	6903.9	6875.7	6847.4	6822.3	6809.8	6797.2	6778.4	6769.0	6784.7
10°	7016.9	7054.5	7020.0	6969.8	6929.0	6913.3	6900.8	6881.9	6869.4	6878.8
12.5°	7167.5	7205.2	7158.1	7089.1	7035.7	7026.3	7010.6	7004.3	7001.2	6998.0
15°	7308.7	7340.1	7280.5	7198.9	7142.4	7126.7	7111.0	7120.4	7136.1	7155.0
17.5°	7418.6	7449.9	7362.1	7255.4	7202.0	7195.8	7186.3	7217.7	7261.7	7308.7
20°	7519.0	7550.4	7437.4	7293.0	7230.3	7230.3	7233.4	7299.3	7362.1	7431.1
22.5°	7660.2	7685.3	7547.2	7349.5	7258.5	7264.8	7289.9	7355.8	7434.2	7528.4
25°	7870.4	7889.3	7719.8	7456.2	7352.7	7371.5	7393.5	7424.8	7500.1	7610.0
27.5°	8209.4	8225.1	8002.3	7644.5	7487.6	7519.0	7550.4	7528.4	7562.9	7657.1
30°	8686.4	8695.8	8413.3	7939.5	7716.7	7732.4	7738.6	7647.6	7581.7	7657.1
32.5°	9251.2	9248.1	8912.3	8297.2	7977.1	7961.5	7908.1	7729.2	7575.5	7641.4
35°	10126.8	10092.3	9659.2	8799.3	8272.1	8174.8	8049.3	7820.2	7606.8	7625.7
37.5°	11576.6	11469.9	10870.5	9621.5	8711.5	8463.6	8278.4	7967.7	7675.9	7619.4
40°	13211.6	13076.6	12417.6	10748.1	9370.5	8971.9	8673.8	8178.0	7788.9	7647.6
42.5°	15150.9	14959.5	14250.3	12075.6	10205.2	9627.8	9179.1	8444.7	7955.2	7738.6
45°	17532.8	17278.6	16274.4	13572.4	11256.5	10487.7	9888.3	8849.5	8209.4	7914.4
47.5°	19939.7	20002.5	18574.6	15285.9	12518.0	11548.3	10776.4	9458.3	8579.7	8196.8
50°	22497.3	22541.2	20862.3	17184.4	13949.0	12747.1	11774.3	10139.3	9094.3	8598.5
52.5°	24493.2	24499.4	22939.8	19170.9	15439.6	14065.1	12850.7	10917.6	9690.6	9132.0
55°	25742.1	25726.5	24395.9	21050.6	17153.1	15449.1	14043.2	11802.5	10418.6	9759.6
57.5°	26649.1	26602.0	25400.1	22666.8	18979.5	17084.0	15392.6	12806.7	11278.5	10506.5
60°	26994.3	26966.0	26081.1	24063.2	20900.0	18891.6	16949.1	13930.2	12254.4	11388.3
62.5°	27126.1	27179.4	26749.5	25415.8	22955.5	20893.7	18659.4	15273.3	13352.8	12386.2
65°	27590.5	27687.8	27599.9	27185.7	25277.7	23237.9	20928.2	16870.6	14551.5	13456.3
67.5°	28510.0	28607.3	28644.9	29303.9	28114.6	26159.5	23758.8	18860.2	15954.3	14567.2
70°	28488.0	28459.8	29125.1	30989.1	31666.9	30204.6	27574.8	21308.0	17626.9	15489.8
72.5°	25930.4	25704.5	27276.7	30970.3	34623.1	34428.5	32235.0	24464.9	19070.5	15602.8
75°	19453.3	18850.8	21628.0	27910.6	35115.8	36826.0	35197.4	26423.1	18728.4	13785.8
77.5°	8319.2	7713.5	10986.6	20661.5	31428.5	34425.4	32479.7	23052.8	14950.1	9116.3
80°	2177.9	2174.7	3320.1	9367.3	21373.9	25422.1	22302.7	14887.3	8542.0	3257.4
82.5°	900.6	878.7	1220.7	3643.4	10443.7	14266.0	11642.5	6640.3	3084.8	881.8
85°	335.8	332.6	593.1	1258.4	3684.2	5884.0	4258.5	1697.7	768.8	429.9
87.5°	94.1	91.0	128.7	436.2	897.5	1362.0	728.0	279.3	216.5	169.5
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°
6765.8	0°	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8	6765.8
6778.4	2.5°	6787.8	6803.5	6831.7	6853.7	6881.9	6913.3	6957.3	6985.5	7013.7	7032.6
6794.1	5°	6816.0	6850.6	6922.7	6994.9	7079.6	7158.1	7249.1	7315.0	7368.3	7384.0
6850.6	7.5°	6878.8	6935.3	7057.7	7180.1	7315.0	7443.7	7575.5	7688.4	7779.4	7814.0
6951.0	10°	6988.6	7063.9	7236.5	7409.1	7588.0	7785.7	7955.2	8118.4	8247.0	8300.4
7070.2	12.5°	7126.7	7220.9	7446.8	7685.3	7933.2	8206.2	8425.9	8626.7	8786.8	8859.0
7236.5	15°	7305.6	7428.0	7716.7	8036.8	8400.8	8780.5	9059.8	9282.6	9461.5	9549.4
7409.1	17.5°	7500.1	7663.3	8027.4	8510.6	9031.6	9530.5	9856.9	10020.1	10205.2	10290.0
7569.2	20°	7688.4	7889.3	8410.2	9113.2	9806.7	10337.0	10600.6	10644.6	10657.1	10666.5
7719.8	22.5°	7883.0	8152.9	8890.3	9872.6	10616.3	10983.5	11021.1	10832.9	10569.2	10446.9
7867.3	25°	8096.4	8454.1	9518.0	10710.5	11313.0	11356.9	11068.2	10610.0	10111.1	9882.0
7986.6	27.5°	8303.5	8802.5	10271.1	11510.7	11815.1	11429.1	10807.7	10158.2	9555.6	9314.0
8071.3	30°	8510.6	9201.0	11102.7	12210.5	12044.2	11250.2	10396.7	9671.7	9066.1	8811.9
8146.6	32.5°	8720.9	9665.5	12059.9	12715.7	12003.4	10870.5	9885.1	9125.7	8592.2	8325.5
8212.5	35°	8959.4	10236.6	12966.8	12991.9	11730.4	10311.9	9210.4	8473.0	8008.5	7795.1
8291.0	37.5°	9270.1	10961.5	13767.0	13060.9	11253.4	9492.9	8372.6	7701.0	7318.1	7220.9
8407.1	40°	9656.1	11833.9	14378.9	12951.1	10547.3	8498.1	7456.2	6919.6	6703.1	6725.0
8564.0	42.5°	10158.2	12809.9	14808.9	12668.7	9565.0	7471.9	6652.9	6414.4	6517.9	6605.8
8799.3	45°	10810.9	13823.5	15075.6	12188.5	8454.1	6602.6	6179.0	6235.5	6313.9	6323.3
9179.1	47.5°	11645.6	14849.7	15251.4	11463.6	7321.3	5990.7	5877.7	5890.3	5874.6	5808.7
9747.1	50°	12687.5	15847.6	15408.3	10503.3	6357.9	5607.9	5457.2	5413.3	5196.8	4983.4
10503.3	52.5°	13873.7	16763.9	15474.2	9310.9	5607.9	5287.8	5043.0	4766.8	4362.0	4296.1
11454.2	55°	15191.7	17611.2	15304.7	7845.3	4977.1	4876.7	4506.4	4173.7	4129.8	4073.3
12706.3	57.5°	16767.1	18524.4	14959.5	6210.4	4330.6	4396.5	4035.6	4073.3	3994.8	3907.0
14316.2	60°	18489.9	19469.0	14353.8	4719.8	3662.2	3797.1	3913.3	3910.1	3888.2	3816.0
16013.9	62.5°	20040.1	20090.4	13161.4	3615.1	3075.4	3332.7	3649.7	3646.5	3627.7	3586.9
17787.0	65°	20962.8	19996.2	11171.8	2846.3	2592.1	2949.8	3291.9	3317.0	3320.1	3317.0
19120.7	67.5°	20799.6	18894.7	8441.6	2265.7	2193.6	2560.7	2937.3	2971.8	2996.9	3003.2
19290.1	70°	18954.4	16475.2	5504.3	1807.6	1838.9	2218.7	2601.5	2636.0	2658.0	2683.1
16738.8	72.5°	14774.4	12113.2	3150.7	1462.4	1528.3	1923.7	2268.9	2309.7	2322.2	2369.3
11648.8	75°	9003.3	7123.6	1700.9	1151.7	1255.3	1644.4	1939.4	1986.4	2008.4	2064.9
5720.8	77.5°	4280.4	3084.8	969.7	897.5	1010.5	1343.1	1638.1	1691.5	1631.8	1663.2
1578.5	80°	1446.7	1145.4	611.9	684.1	772.0	1048.1	1311.7	1365.1	1239.6	1233.3
524.1	82.5°	505.2	464.4	389.1	455.0	499.0	750.0	991.7	1060.7	922.6	919.5
235.4	85°	197.7	188.3	216.5	247.9	298.1	461.3	652.7	687.3	568.0	458.2
69.0	87.5°	40.8	43.9	53.3	56.5	91.0	160.0	235.4	288.7	229.1	194.6
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°
6765.8
7020.0
7390.3
7817.1
8303.5
8859.0
9543.1
10286.8
10691.6
10481.4
9916.5
9342.2
8840.1
8360.0
7842.2
7289.9
6800.3
6687.4
6386.1
5858.9
5011.6
4318.1
4082.7
3891.3
3790.9
3571.2
3317.0
3009.5
2695.7
2388.1
2071.2
1638.1
1220.7
875.5
451.9
178.9
0.0

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