

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: P850803

Luminaire Tested: **GLAN-SB8C-727-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850803
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-SB8C-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53384 lumens
Efficiency: N/A
Efficacy: 133.5 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

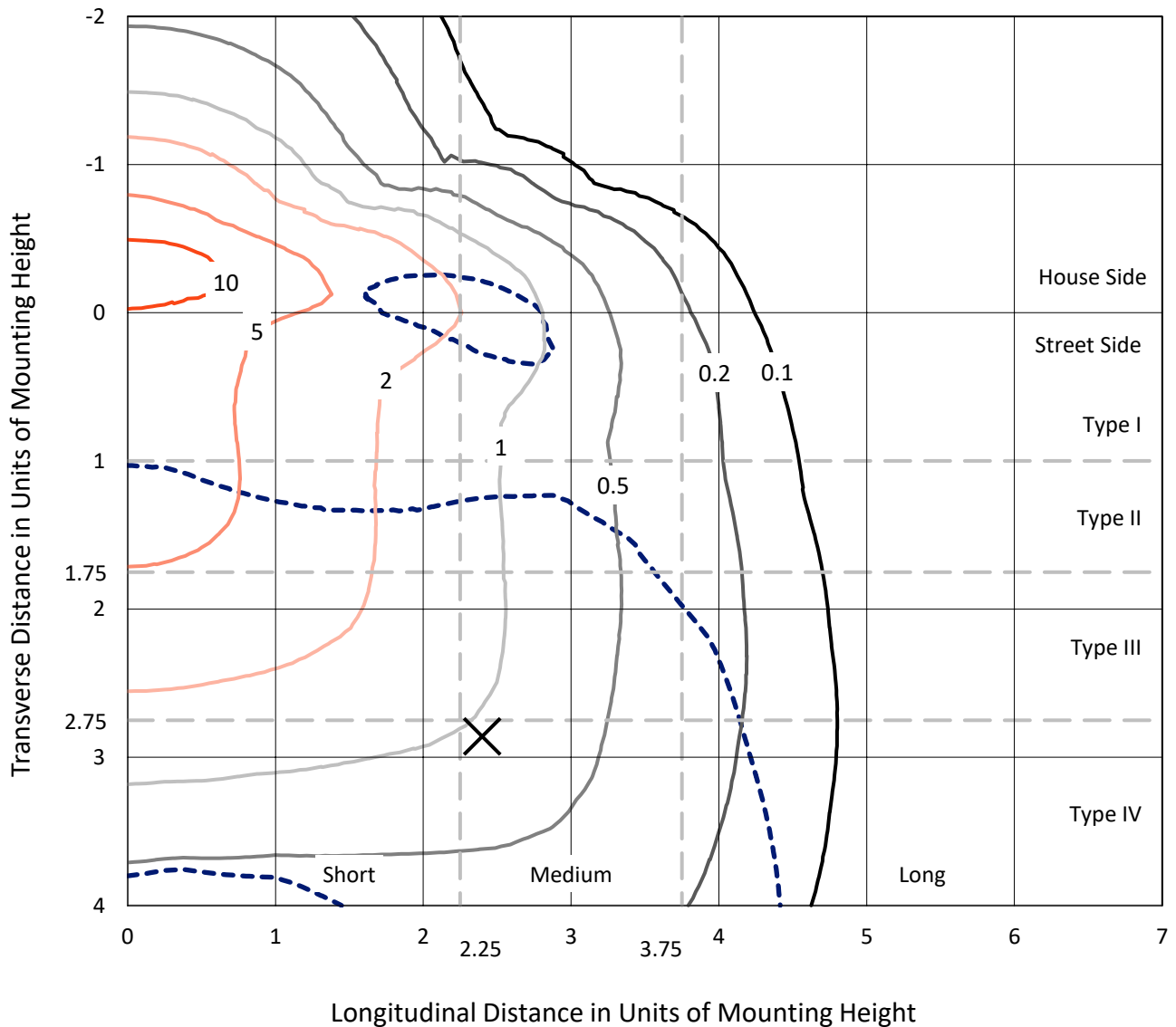
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

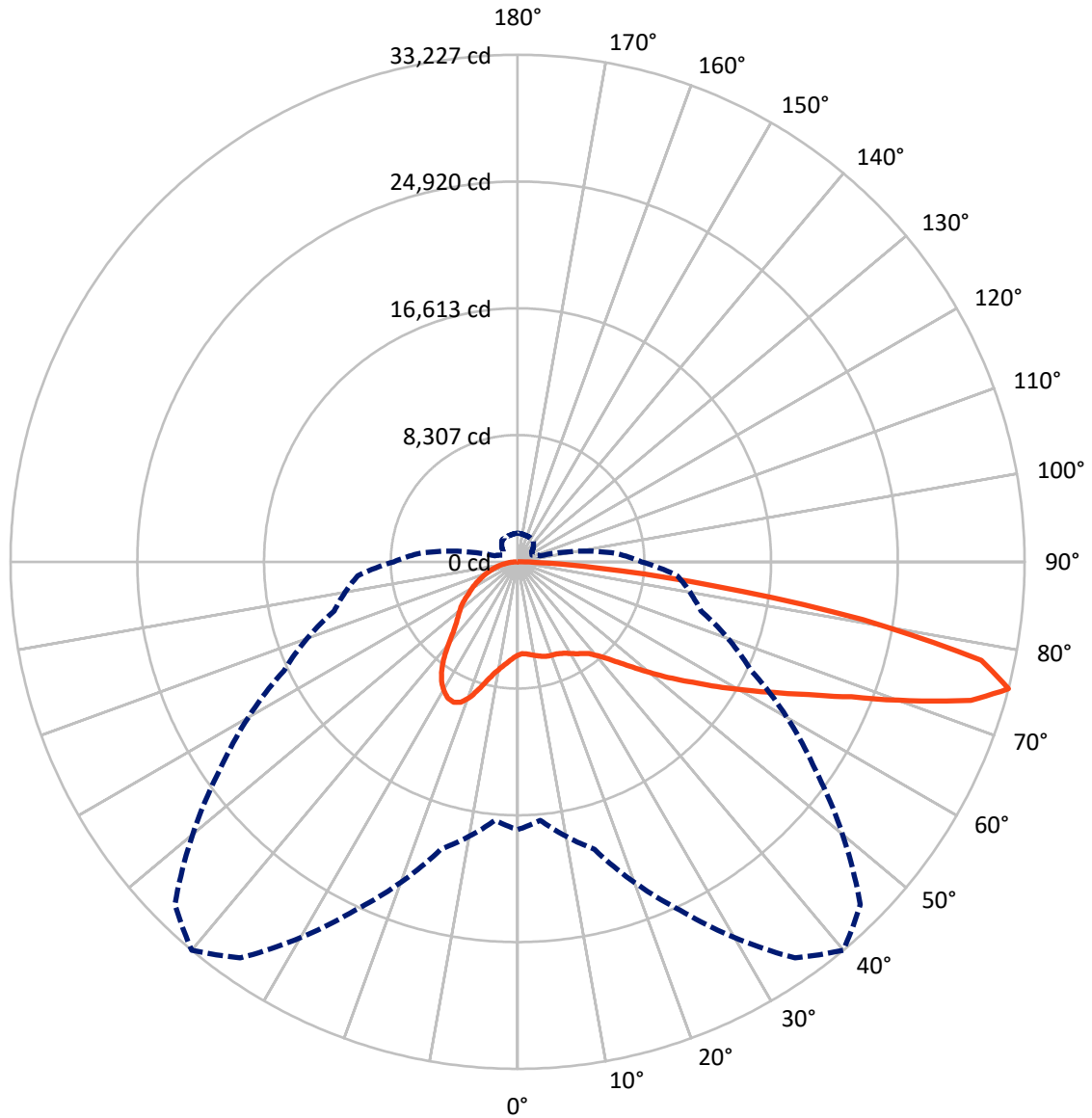
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	16540.1	0.0	16540.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	36843.9	0.0	36843.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	53384.0	0.0	53384.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.4	1.1
10°-20°	2045.9	3.8
20°-30°	3735.6	7.0
30°-40°	5298.1	9.9
40°-50°	7154.0	13.4
50°-60°	9624.0	18.0
60°-70°	12215.1	22.9
70°-80°	11086.0	20.8
80°-90°	1616.0	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°	53384.0	100.0
0°-180°	53384.0	100.0

Coefficient of Utilization

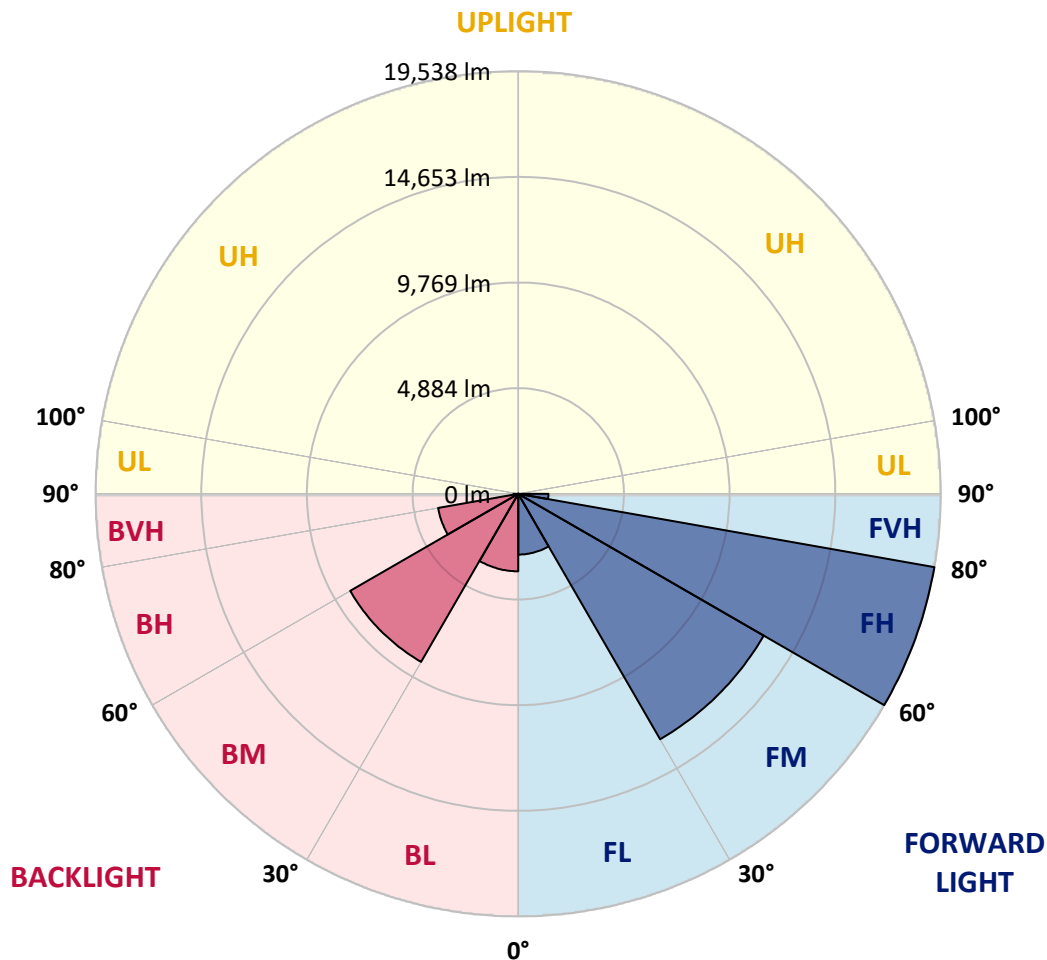


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2808.1	5.3			
FM (30°-60°)	13104.6	24.5			
FH (60°-80°)	19537.7	36.6			G5
FVH (80°-90°)	1393.5	2.6			G5
BL (0°-30°)	3582.7	6.7	B4/5000		
BM (30°-60°)	8971.5	16.8	B5		
BH (60°-80°)	3763.4	7.0	B4/5000		G4/5000
BVH (80°-90°)	222.5	0.4			G2/225
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°	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5
2.5°	6011.1	6045.1	6036.6	6025.3	6025.3	6028.1	6025.3	6045.1	6064.9	6084.7
5°	6073.4	6107.4	6090.4	6076.2	6064.9	6062.1	6053.6	6050.7	6062.1	6087.5
7.5°	6195.1	6229.1	6203.6	6178.1	6155.5	6144.2	6132.8	6115.9	6107.4	6121.5
10°	6331.0	6365.0	6333.9	6288.6	6251.8	6237.6	6226.3	6209.3	6198.0	6206.5
12.5°	6467.0	6500.9	6458.5	6396.2	6348.0	6339.5	6325.4	6319.7	6316.9	6314.1
15°	6594.4	6622.7	6568.9	6495.3	6444.3	6430.1	6416.0	6424.5	6438.6	6455.6
17.5°	6693.5	6721.8	6642.5	6546.2	6498.1	6492.4	6483.9	6512.3	6551.9	6594.4
20°	6784.1	6812.4	6710.5	6580.2	6523.6	6523.6	6526.4	6585.9	6642.5	6704.8
22.5°	6911.5	6934.1	6809.6	6631.2	6549.1	6554.7	6577.4	6636.8	6707.6	6792.6
25°	7101.2	7118.2	6965.3	6727.4	6634.0	6651.0	6670.8	6699.1	6767.1	6866.2
27.5°	7407.0	7421.1	7220.1	6897.3	6755.8	6784.1	6812.4	6792.6	6823.7	6908.7
30°	7837.4	7845.9	7591.0	7163.5	6962.5	6976.6	6982.3	6900.2	6840.7	6908.7
32.5°	8347.0	8344.2	8041.2	7486.3	7197.5	7183.3	7135.2	6973.8	6835.0	6894.5
35°	9137.0	9105.8	8715.1	7939.3	7463.6	7375.8	7262.6	7055.9	6863.4	6880.3
37.5°	10445.1	10348.8	9808.0	8681.1	7860.0	7636.3	7469.3	7189.0	6925.6	6874.7
40°	11920.3	11798.5	11203.9	9697.6	8454.6	8095.0	7826.0	7378.7	7027.6	6900.2
42.5°	13670.1	13497.4	12857.5	10895.3	9207.8	8686.8	8281.9	7619.3	7177.6	6982.3
45°	15819.1	15589.8	14683.7	12245.9	10156.3	9462.6	8921.8	7984.6	7407.0	7140.8
47.5°	17990.8	18047.4	16759.1	13791.8	11294.5	10419.6	9723.1	8533.9	7741.1	7395.7
50°	20298.4	20338.1	18823.2	15504.8	12585.6	11501.2	10623.5	9148.3	8205.4	7758.1
52.5°	22099.2	22104.9	20697.6	17297.1	13930.6	12690.4	11594.6	9850.5	8743.4	8239.4
55°	23226.1	23211.9	22011.4	18993.1	15476.5	13939.1	12670.6	10649.0	9400.3	8805.7
57.5°	24044.4	24001.9	22917.5	20451.3	17124.4	15414.2	13888.1	11555.0	10176.1	9479.6
60°	24355.8	24330.4	23531.9	21711.3	18857.2	17045.1	15292.5	12568.7	11056.7	10275.2
62.5°	24474.8	24522.9	24135.0	22931.6	20711.8	18851.6	16835.6	13780.5	12047.7	11175.6
65°	24893.8	24981.6	24902.3	24528.6	22807.1	20966.6	18882.7	15221.7	13129.3	12141.1
67.5°	25723.4	25811.2	25845.2	26439.8	25366.7	23602.7	21436.6	17016.8	14394.9	13143.4
70°	25703.6	25678.1	26278.4	27960.2	28571.8	27252.4	24879.6	19225.3	15904.1	13975.9
72.5°	23396.0	23192.1	24610.7	27943.2	31239.0	31063.5	29084.3	22073.7	17206.5	14077.8
75°	17551.9	17008.3	19514.1	25182.6	31683.5	33226.7	31757.2	23840.5	16897.9	12438.4
77.5°	7506.1	6959.6	9912.8	18642.0	28356.6	31060.6	29305.1	20799.6	13488.9	8225.3
80°	1965.0	1962.2	2995.6	8451.8	19284.8	22937.3	20122.9	13432.2	7707.1	2939.0
82.5°	812.6	792.8	1101.4	3287.3	9423.0	12871.6	10504.6	5991.3	2783.3	795.6
85°	303.0	300.1	535.1	1135.4	3324.1	5308.9	3842.2	1531.8	693.7	387.9
87.5°	84.9	82.1	116.1	393.6	809.8	1228.8	656.9	252.0	195.4	152.9
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°
6104.5	0°	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5	6104.5
6115.9	2.5°	6124.4	6138.5	6164.0	6183.8	6209.3	6237.6	6277.2	6302.7	6328.2	6345.2
6130.0	5°	6149.8	6181.0	6246.1	6311.2	6387.7	6458.5	6540.6	6600.0	6648.2	6662.3
6181.0	7.5°	6206.5	6257.4	6367.9	6478.3	6600.0	6716.1	6835.0	6937.0	7019.1	7050.2
6271.6	10°	6305.6	6373.5	6529.2	6685.0	6846.4	7024.7	7177.6	7324.9	7441.0	7489.1
6379.2	12.5°	6430.1	6515.1	6718.9	6934.1	7157.8	7404.2	7602.4	7783.6	7928.0	7993.1
6529.2	15°	6591.5	6702.0	6962.5	7251.3	7579.7	7922.3	8174.3	8375.3	8536.7	8616.0
6685.0	17.5°	6767.1	6914.3	7242.8	7678.8	8148.8	8599.0	8893.5	9040.7	9207.8	9284.2
6829.4	20°	6937.0	7118.2	7588.2	8222.4	8848.2	9326.7	9564.5	9604.2	9615.5	9624.0
6965.3	22.5°	7112.5	7356.0	8021.4	8907.6	9578.7	9910.0	9943.9	9774.0	9536.2	9425.8
7098.4	25°	7305.1	7627.8	8587.7	9663.6	10207.3	10246.9	9986.4	9573.0	9122.8	8916.1
7206.0	27.5°	7491.9	7942.1	9267.2	10385.6	10660.3	10312.0	9751.4	9165.3	8621.7	8403.6
7282.4	30°	7678.8	8301.7	10017.5	11017.0	10867.0	10150.6	9380.5	8726.4	8180.0	7950.6
7350.4	32.5°	7868.5	8720.8	10881.1	11472.9	10830.2	9808.0	8919.0	8233.8	7752.4	7511.7
7409.8	35°	8083.7	9236.1	11699.4	11722.1	10583.8	9304.0	8310.2	7644.8	7225.8	7033.2
7480.6	37.5°	8364.0	9890.1	12421.4	11784.4	10153.5	8565.0	7554.2	6948.3	6602.9	6515.1
7585.4	40°	8712.3	10677.3	12973.5	11685.3	9516.4	7667.5	6727.4	6243.3	6047.9	6067.7
7726.9	42.5°	9165.3	11557.8	13361.4	11430.4	8630.2	6741.6	6002.6	5787.4	5880.8	5960.1
7939.3	45°	9754.2	12472.4	13602.1	10997.2	7627.8	5957.3	5575.1	5626.0	5696.8	5705.3
8281.9	47.5°	10507.4	13398.3	13760.7	10343.2	6605.7	5405.2	5303.2	5314.6	5300.4	5240.9
8794.4	50°	11447.4	14298.6	13902.2	9476.7	5736.4	5059.7	4923.8	4884.2	4688.8	4496.3
9476.7	52.5°	12517.7	15125.4	13961.7	8400.8	5059.7	4770.9	4550.1	4300.9	3935.7	3876.2
10334.7	55°	13706.9	15889.9	13808.8	7078.5	4490.6	4400.0	4065.9	3765.8	3726.1	3675.2
11464.4	57.5°	15128.3	16713.8	13497.4	5603.4	3907.4	3966.8	3641.2	3675.2	3604.4	3525.1
12916.9	60°	16682.7	17566.1	12950.9	4258.4	3304.3	3426.0	3530.8	3527.9	3508.1	3443.0
14448.7	62.5°	18081.4	18126.7	11875.0	3261.8	2774.8	3007.0	3292.9	3290.1	3273.1	3236.3
16048.5	65°	18913.9	18041.8	10079.8	2568.1	2338.7	2661.5	2970.2	2992.8	2995.6	2992.8
17251.8	67.5°	18766.6	17048.0	7616.5	2044.3	1979.2	2310.4	2650.2	2681.4	2704.0	2709.7
17404.7	70°	17101.7	14864.9	4966.3	1630.9	1659.2	2001.8	2347.2	2378.4	2398.2	2420.9
15102.8	72.5°	13330.3	10929.3	2842.7	1319.4	1378.9	1735.7	2047.1	2083.9	2095.2	2137.7
10510.2	75°	8123.3	6427.3	1534.6	1039.1	1132.6	1483.7	1749.8	1792.3	1812.1	1863.1
5161.7	77.5°	3862.1	2783.3	874.9	809.8	911.7	1211.8	1478.0	1526.1	1472.3	1500.7
1424.2	80°	1305.3	1033.5	552.1	617.2	696.5	945.7	1183.5	1231.7	1118.4	1112.7
472.8	82.5°	455.9	419.0	351.1	410.6	450.2	676.7	894.7	957.0	832.4	829.6
212.4	85°	178.4	169.9	195.4	223.7	269.0	416.2	588.9	620.1	512.5	413.4
62.3	87.5°	36.8	39.6	48.1	51.0	82.1	144.4	212.4	260.5	206.7	175.5
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°
6104.5
6333.9
6668.0
7053.1
7491.9
7993.1
8610.3
9281.4
9646.6
9456.9
8947.3
8429.1
7976.1
7542.9
7075.7
6577.4
6135.7
6033.7
5761.9
5286.3
4521.8
3896.0
3683.7
3511.0
3420.3
3222.2
2992.8
2715.3
2432.2
2154.7
1868.7
1478.0
1101.4
790.0
407.7
161.4
0.0

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