

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: P849713

Luminaire Tested: **GLAN-SB6D-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849713
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-SB6D-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 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: 52522 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

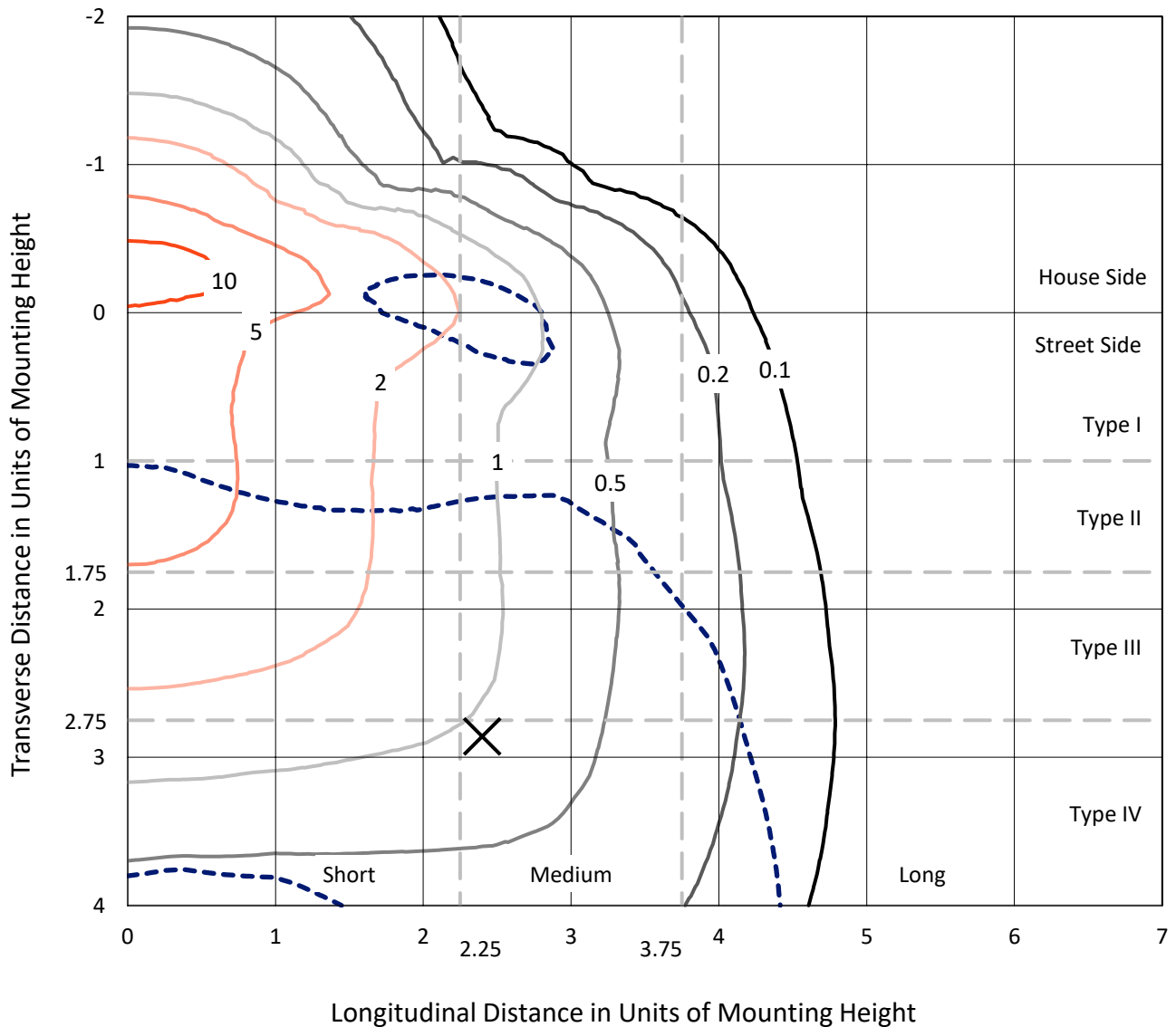
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

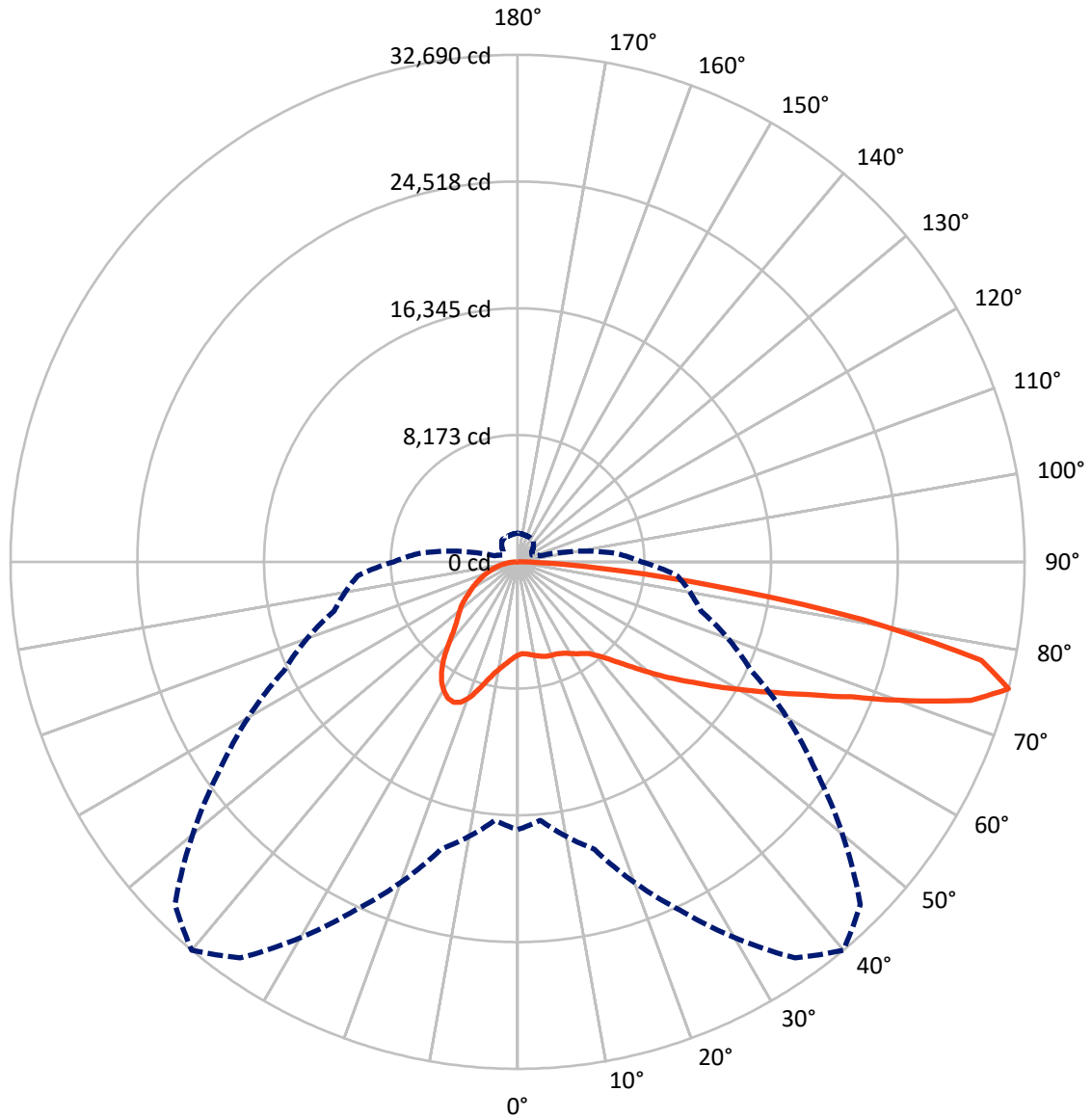
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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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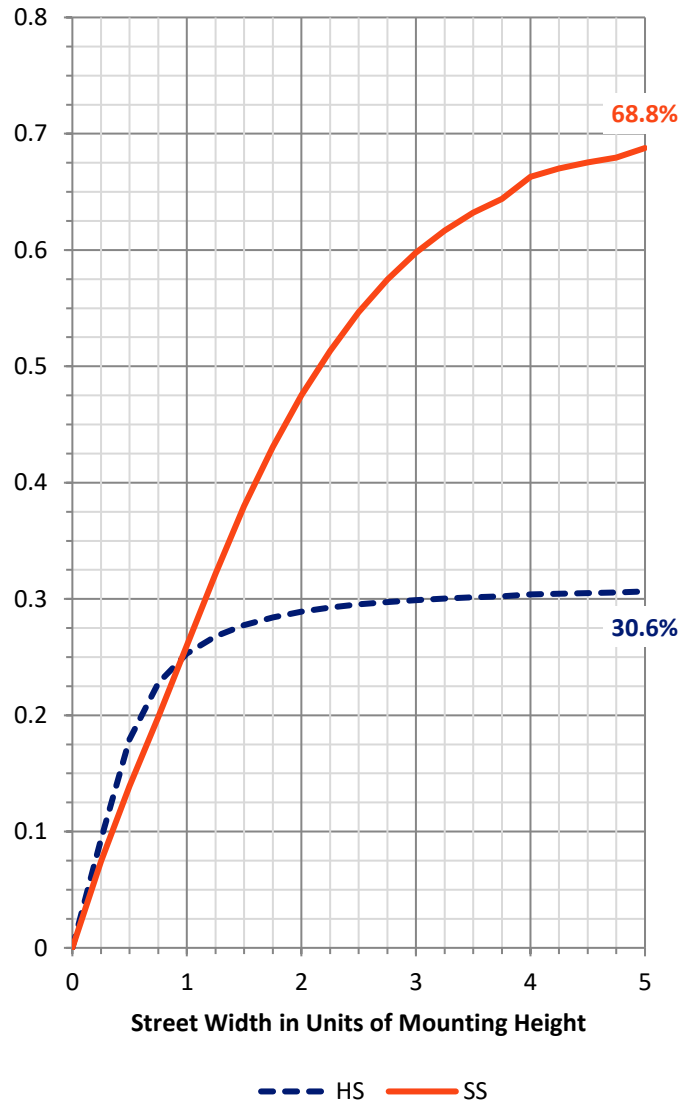
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16273.1	0.0	16273.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	36248.9	0.0	36248.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	52522.0	0.0	52522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.5	1.1
10°-20°	2012.8	3.8
20°-30°	3675.3	7.0
30°-40°	5212.5	9.9
40°-50°	7038.5	13.4
50°-60°	9468.6	18.0
60°-70°	12017.9	22.9
70°-80°	10907.0	20.8
80°-90°	1589.9	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°	52522.0	100.0
0°-180°	52522.0	100.0

Coefficient of Utilization

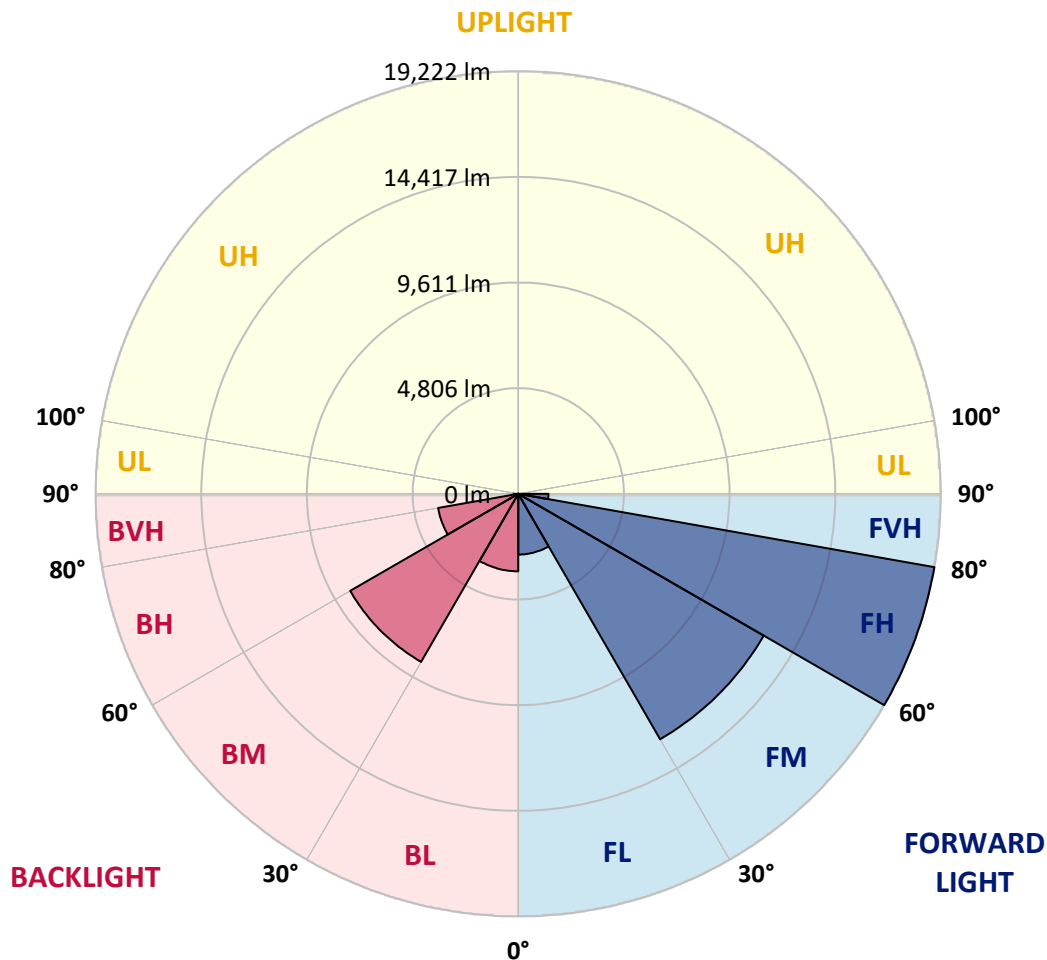


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2762.7	5.3			
FM (30°-60°)	12893.0	24.5			
FH (60°-80°)	19222.2	36.6			G5
FVH (80°-90°)	1371.0	2.6			G5
BL (0°-30°)	3524.9	6.7	B4/5000		
BM (30°-60°)	8826.7	16.8	B5		
BH (60°-80°)	3702.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	218.9	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°	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0
2.5°	5914.0	5947.5	5939.1	5928.0	5928.0	5930.7	5928.0	5947.5	5967.0	5986.5
5°	5975.3	6008.7	5992.0	5978.1	5967.0	5964.2	5955.8	5953.0	5964.2	5989.2
7.5°	6095.1	6128.5	6103.5	6078.4	6056.1	6045.0	6033.8	6017.1	6008.7	6022.7
10°	6228.8	6262.2	6231.6	6187.0	6150.8	6136.9	6125.7	6109.0	6097.9	6106.2
12.5°	6362.5	6396.0	6354.2	6292.9	6245.5	6237.2	6223.2	6217.7	6214.9	6212.1
15°	6487.9	6515.7	6462.8	6390.4	6340.2	6326.3	6312.4	6320.7	6334.7	6351.4
17.5°	6585.4	6613.2	6535.2	6440.5	6393.2	6387.6	6379.2	6407.1	6446.1	6487.9
20°	6674.5	6702.4	6602.1	6474.0	6418.2	6418.2	6421.0	6479.5	6535.2	6596.5
22.5°	6799.9	6822.2	6699.6	6524.1	6443.3	6448.9	6471.2	6529.7	6599.3	6682.9
25°	6986.5	7003.2	6852.8	6618.8	6526.9	6543.6	6563.1	6591.0	6657.8	6755.3
27.5°	7287.4	7301.3	7103.5	6786.0	6646.7	6674.5	6702.4	6682.9	6713.5	6797.1
30°	7710.8	7719.2	7468.5	7047.8	6850.0	6864.0	6869.5	6788.7	6730.2	6797.1
32.5°	8212.2	8209.4	7911.4	7365.4	7081.2	7067.3	7020.0	6861.2	6724.7	6783.2
35°	8989.4	8958.8	8574.4	7811.1	7343.1	7256.7	7145.3	6942.0	6752.5	6769.2
37.5°	10276.4	10181.7	9649.7	8540.9	7733.1	7513.0	7348.7	7072.9	6813.8	6763.7
40°	11727.8	11608.0	11023.0	9541.0	8318.1	7964.3	7699.7	7259.5	6914.1	6788.7
42.5°	13449.3	13279.4	12649.8	10719.4	9059.1	8546.5	8148.2	7496.3	7061.7	6869.5
45°	15563.7	15338.0	14446.6	12048.1	9992.3	9309.8	8777.7	7855.7	7287.4	7025.5
47.5°	17700.3	17756.0	16488.5	13569.1	11112.1	10251.4	9566.1	8396.1	7616.1	7276.2
50°	19970.7	20009.7	18519.3	15254.5	12382.4	11315.5	10451.9	9000.6	8072.9	7632.8
52.5°	21742.4	21747.9	20363.4	17017.8	13705.6	12485.5	11407.4	9691.4	8602.2	8106.4
55°	22851.1	22837.1	21656.0	18686.4	15226.6	13714.0	12466.0	10477.0	9248.5	8663.5
57.5°	23656.1	23614.3	22547.4	20121.1	16847.9	15165.3	13663.8	11368.4	10011.8	9326.5
60°	23962.6	23937.5	23151.9	21360.7	18552.7	16769.9	15045.5	12365.7	10878.1	10109.3
62.5°	24079.6	24126.9	23745.3	22561.4	20377.4	18547.2	16563.7	13558.0	11853.1	10995.1
65°	24491.8	24578.2	24500.2	24132.5	22438.8	20628.1	18577.8	14975.9	12917.3	11945.1
67.5°	25308.0	25394.4	25427.8	26012.8	24957.1	23221.6	21090.5	16742.0	14162.5	12931.2
70°	25288.5	25263.5	25854.0	27508.7	28110.5	26812.3	24477.9	18914.9	15647.3	13750.2
72.5°	23018.2	22817.6	24213.3	27492.0	30734.6	30561.9	28614.7	21717.3	16928.7	13850.5
75°	17268.5	16733.7	19199.0	24776.0	31171.9	32690.1	31244.4	23455.6	16625.0	12237.6
77.5°	7384.9	6847.2	9752.7	18341.0	27898.7	30559.1	28832.0	20463.7	13271.1	8092.4
80°	1933.3	1930.5	2947.3	8315.3	18973.4	22566.9	19797.9	13215.3	7582.7	2891.6
82.5°	799.5	780.0	1083.6	3234.2	9270.8	12663.8	10334.9	5894.5	2738.3	782.8
85°	298.1	295.3	526.5	1117.1	3270.4	5223.2	3780.2	1507.1	682.5	381.6
87.5°	83.6	80.8	114.2	387.2	796.7	1209.0	646.3	247.9	192.2	150.4
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°
6006.0	0°	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0	6006.0
6017.1	2.5°	6025.5	6039.4	6064.5	6084.0	6109.0	6136.9	6175.9	6201.0	6226.0	6242.7
6031.0	5°	6050.5	6081.2	6145.2	6209.3	6284.5	6354.2	6435.0	6493.5	6540.8	6554.7
6081.2	7.5°	6106.2	6156.4	6265.0	6373.7	6493.5	6607.7	6724.7	6825.0	6905.7	6936.4
6170.3	10°	6203.7	6270.6	6423.8	6577.0	6735.8	6911.3	7061.7	7206.6	7320.8	7368.2
6276.2	12.5°	6326.3	6409.9	6610.5	6822.2	7042.2	7284.6	7479.6	7657.9	7799.9	7864.0
6423.8	15°	6485.1	6593.7	6850.0	7134.2	7457.3	7794.4	8042.3	8240.1	8398.9	8476.9
6577.0	17.5°	6657.8	6802.7	7125.8	7554.8	8017.2	8460.2	8749.9	8894.7	9059.1	9134.3
6719.1	20°	6825.0	7003.2	7465.7	8089.7	8705.3	9176.1	9410.1	9449.1	9460.2	9468.6
6852.8	22.5°	6997.7	7237.2	7891.9	8763.8	9424.0	9749.9	9783.4	9616.2	9382.2	9273.6
6983.7	25°	7187.1	7504.7	8449.0	9507.6	10042.4	10081.4	9825.1	9418.4	8975.5	8772.2
7089.6	27.5°	7371.0	7813.9	9117.6	10217.9	10488.1	10145.5	9593.9	9017.3	8482.4	8267.9
7164.8	30°	7554.8	8167.7	9855.8	10839.1	10691.5	9986.7	9229.0	8585.5	8047.9	7822.2
7231.7	32.5°	7741.4	8579.9	10705.4	11287.6	10655.3	9649.7	8774.9	8100.8	7627.2	7390.5
7290.2	35°	7953.2	9086.9	11510.5	11532.8	10412.9	9153.8	8176.0	7521.4	7109.1	6919.7
7359.8	37.5°	8228.9	9730.4	12220.8	11594.1	9989.5	8426.7	7432.2	6836.1	6496.2	6409.9
7462.9	40°	8571.6	10504.9	12764.1	11496.6	9362.7	7543.7	6618.8	6142.5	5950.2	5969.7
7602.2	42.5°	9017.3	11371.2	13145.7	11245.9	8490.8	6632.7	5905.7	5694.0	5785.9	5863.9
7811.1	45°	9596.7	12271.0	13382.5	10819.6	7504.7	5861.1	5485.0	5535.2	5604.8	5613.2
8148.2	47.5°	10337.7	13181.9	13538.5	10176.1	6499.0	5317.9	5217.6	5228.8	5214.8	5156.3
8652.4	50°	11262.6	14067.8	13677.8	9323.7	5643.8	4978.0	4844.3	4805.3	4613.1	4423.7
9323.7	52.5°	12315.6	14881.2	13736.3	8265.2	4978.0	4693.9	4476.6	4231.5	3872.1	3813.6
10167.8	55°	13485.6	15633.3	13585.8	6964.2	4418.1	4329.0	4000.3	3705.0	3666.0	3615.8
11279.3	57.5°	14884.0	16444.0	13279.4	5512.9	3844.3	3902.8	3582.4	3615.8	3546.2	3468.2
12708.3	60°	16413.3	17282.5	12741.8	4189.7	3250.9	3370.7	3473.8	3471.0	3451.5	3387.4
14215.4	62.5°	17789.5	17834.0	11683.2	3209.1	2730.0	2958.4	3239.8	3237.0	3220.3	3184.1
15789.3	65°	18608.4	17750.5	9917.1	2526.6	2301.0	2618.6	2922.2	2944.5	2947.3	2944.5
16973.2	67.5°	18463.6	16772.7	7493.5	2011.3	1947.2	2273.1	2607.4	2638.1	2660.3	2665.9
17123.7	70°	16825.6	14624.9	4886.1	1604.6	1632.4	1969.5	2309.3	2340.0	2359.5	2381.8
14858.9	72.5°	13115.1	10752.8	2796.8	1298.1	1356.6	1707.6	2014.1	2050.3	2061.4	2103.2
10340.5	75°	7992.2	6323.5	1509.8	1022.4	1114.3	1459.7	1721.6	1763.3	1782.8	1833.0
5078.3	77.5°	3799.7	2738.3	860.8	796.7	897.0	1192.3	1454.1	1501.5	1448.6	1476.4
1401.2	80°	1284.2	1016.8	543.2	607.3	685.3	930.4	1164.4	1211.8	1100.3	1094.8
465.2	82.5°	448.5	412.3	345.4	403.9	442.9	665.8	880.3	941.6	819.0	816.2
208.9	85°	175.5	167.1	192.2	220.1	264.6	409.5	579.4	610.1	504.2	406.7
61.3	87.5°	36.2	39.0	47.4	50.1	80.8	142.1	208.9	256.3	203.4	172.7
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°
6006.0
6231.6
6560.3
6939.2
7371.0
7864.0
8471.3
9131.5
9490.9
9304.2
8802.8
8293.0
7847.3
7421.1
6961.5
6471.2
6036.6
5936.3
5668.9
5200.9
4448.8
3833.1
3624.2
3454.3
3365.1
3170.1
2944.5
2671.5
2392.9
2119.9
1838.6
1454.1
1083.6
777.2
401.1
158.8
0.0

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