

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: P850983

Luminaire Tested: **GLAN-SB8D-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850983  
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-SB8D-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 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: 78791 lumens  
Efficiency: N/A  
Efficacy: 134.7 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

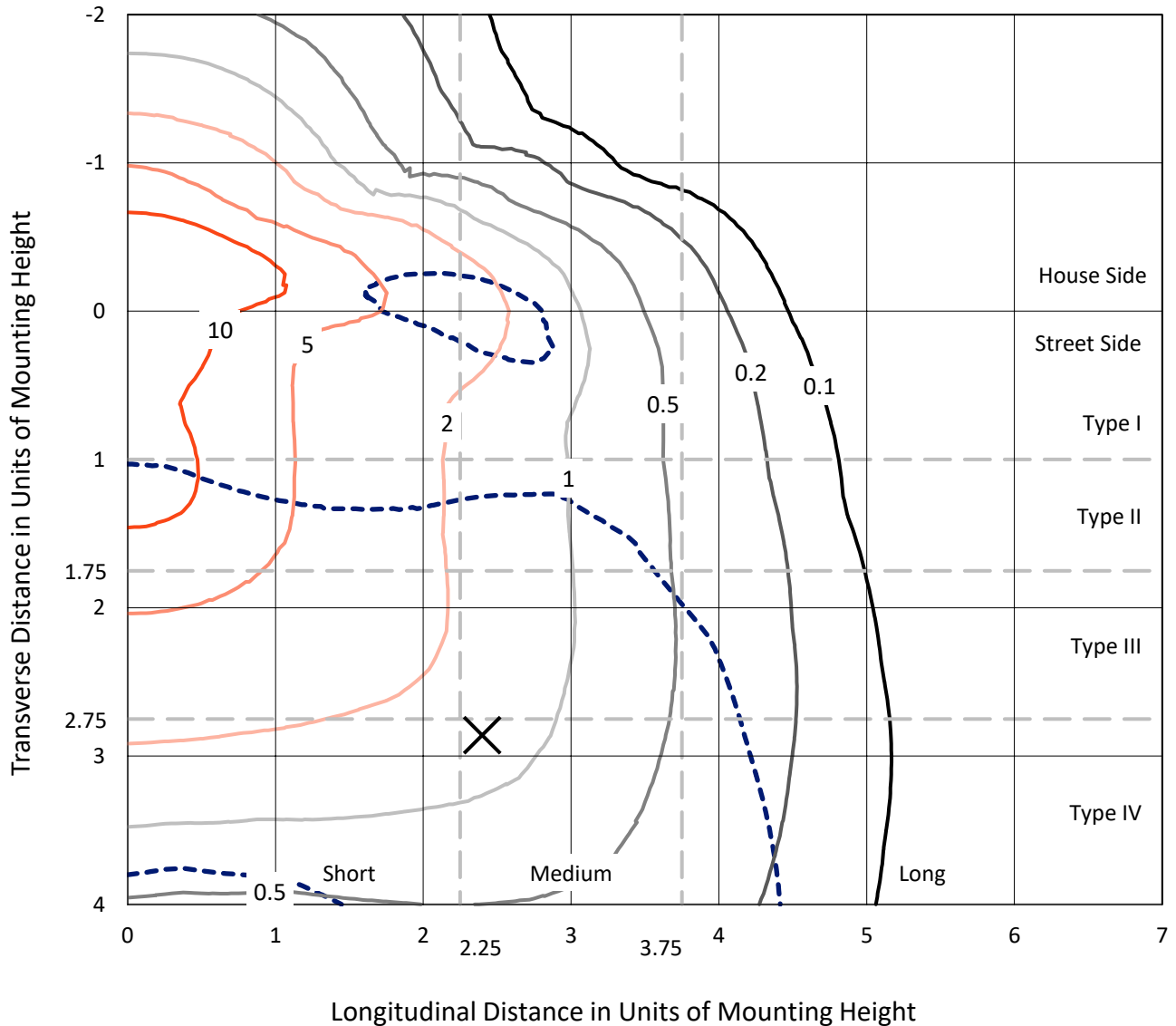
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

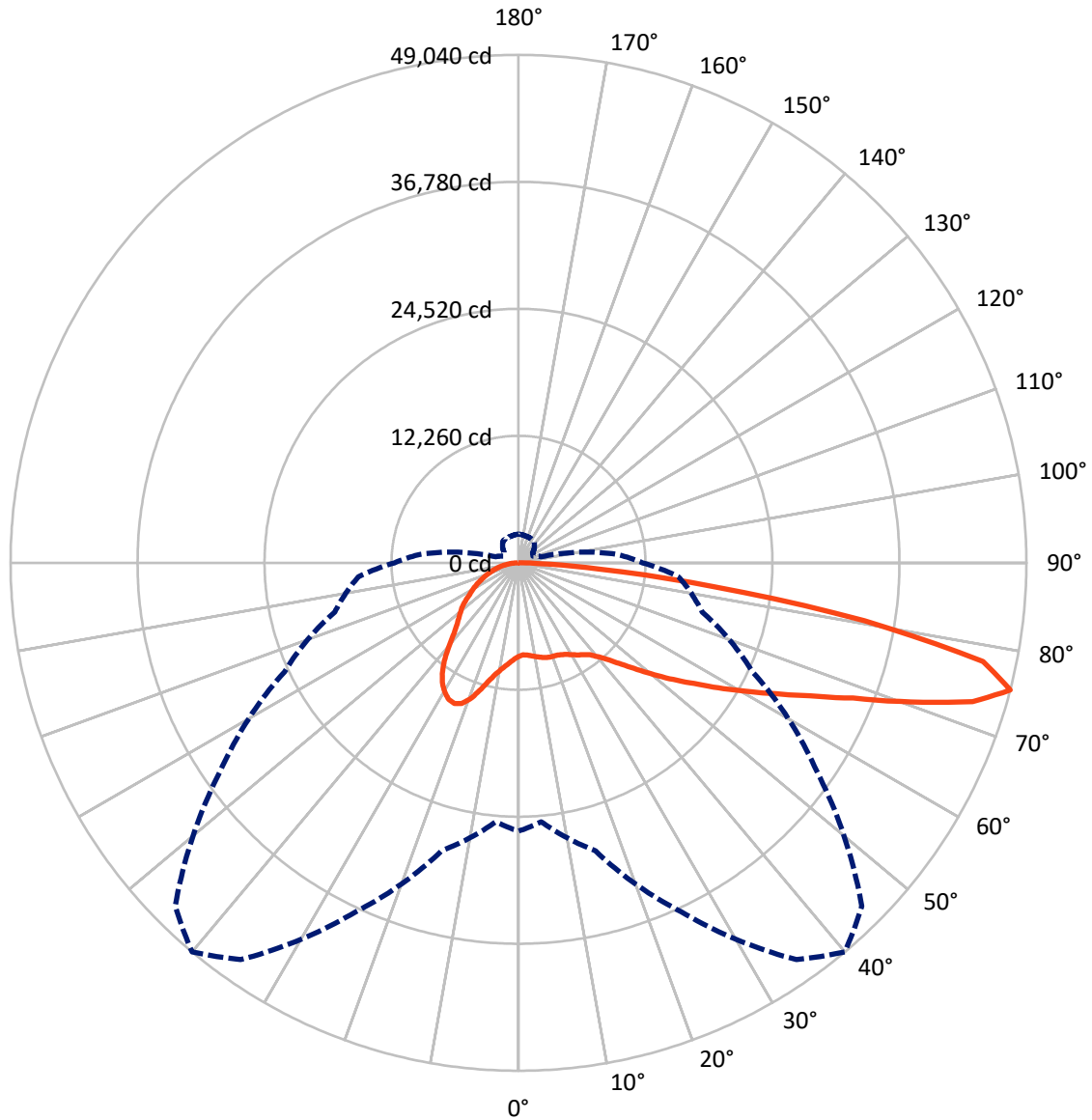
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 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
<b>House Side</b>	Lumens	24412.1	0.0	24412.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	54378.9	0.0	54378.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	78791.0	0.0	78791.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	899.4	1.1
10°-20°	3019.5	3.8
20°-30°	5513.5	7.0
30°-40°	7819.6	9.9
40°-50°	10558.8	13.4
50°-60°	14204.4	18.0
60°-70°	18028.7	22.9
70°-80°	16362.1	20.8
80°-90°	2385.1	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°	78791.0	100.0
0°-180°	78791.0	100.0

**Coefficient of Utilization**

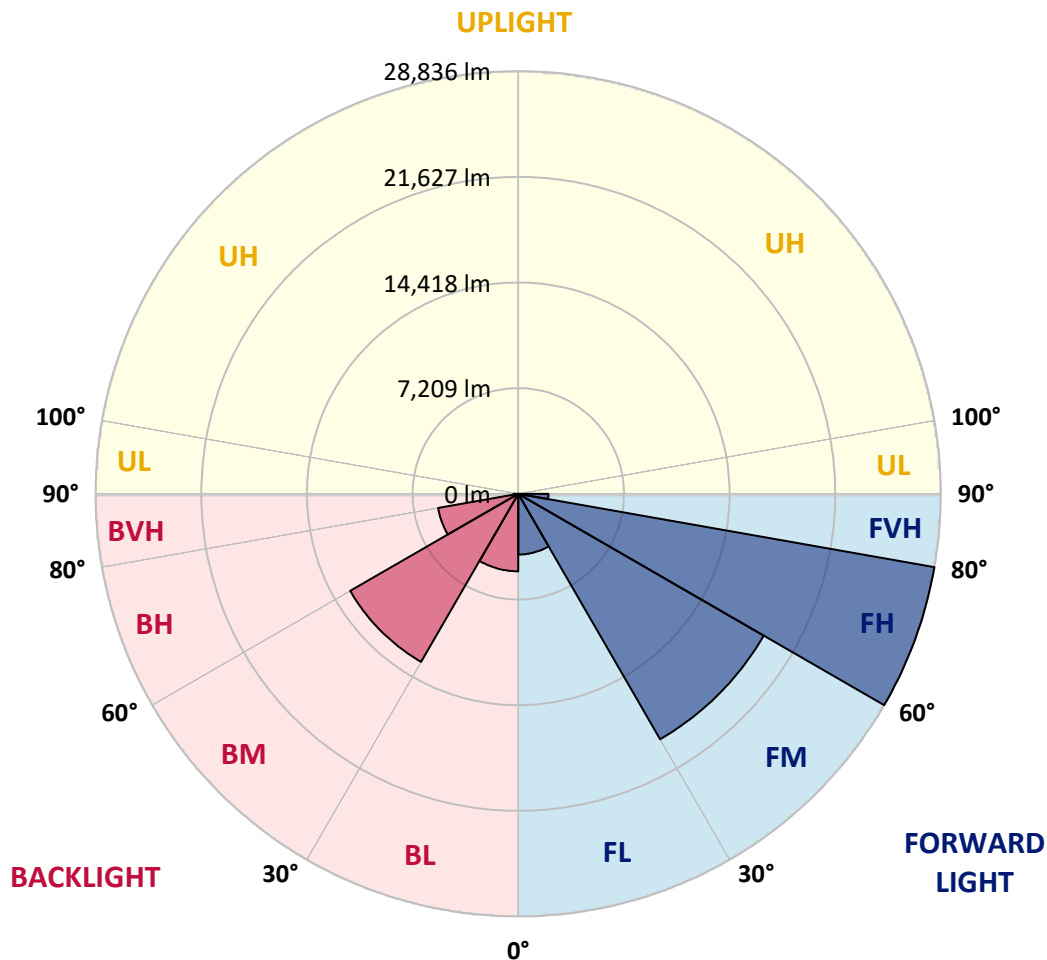


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4144.5	5.3			
FM (30°-60°)	19341.4	24.5			
FH (60°-80°)	28836.3	36.6			G5
FVH (80°-90°)	2056.7	2.6			G5
BL (0°-30°)	5287.9	6.7	B5		
BM (30°-60°)	13241.4	16.8	B5		
BH (60°-80°)	5554.5	7.0	B5		G5
BVH (80°-90°)	328.4	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°	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9
2.5°	8871.9	8922.1	8909.6	8892.8	8892.8	8897.0	8892.8	8922.1	8951.4	8980.6
5°	8963.9	9014.0	8989.0	8968.1	8951.4	8947.2	8934.6	8930.5	8947.2	8984.8
7.5°	9143.6	9193.7	9156.1	9118.5	9085.1	9068.4	9051.6	9026.6	9014.0	9034.9
10°	9344.2	9394.3	9348.4	9281.5	9227.2	9206.3	9189.6	9164.5	9147.8	9160.3
12.5°	9544.8	9594.9	9532.2	9440.3	9369.2	9356.7	9335.8	9327.5	9323.3	9319.1
15°	9732.8	9774.6	9695.2	9586.6	9511.3	9490.4	9469.5	9482.1	9503.0	9528.0
17.5°	9879.1	9920.9	9803.9	9661.8	9590.7	9582.4	9569.8	9611.6	9670.1	9732.8
20°	10012.8	10054.6	9904.2	9711.9	9628.3	9628.3	9632.5	9720.3	9803.9	9895.8
22.5°	10200.9	10234.3	10050.4	9787.1	9666.0	9674.3	9707.7	9795.5	9900.0	10025.3
25°	10480.9	10505.9	10280.3	9929.2	9791.3	9816.4	9845.6	9887.4	9987.7	10134.0
27.5°	10932.2	10953.1	10656.4	10180.0	9971.0	10012.8	10054.6	10025.3	10071.3	10196.7
30°	11567.4	11579.9	11203.8	10572.8	10276.1	10297.0	10305.3	10184.1	10096.4	10196.7
32.5°	12319.6	12315.4	11868.3	11049.2	10622.9	10602.0	10531.0	10292.8	10088.0	10175.8
35°	13485.5	13439.6	12862.9	11717.8	11015.8	10886.2	10719.1	10414.0	10129.8	10154.9
37.5°	15416.2	15274.1	14475.9	12812.7	11600.8	11270.7	11024.1	10610.4	10221.8	10146.5
40°	17593.5	17413.8	16536.2	14313.0	12478.4	11947.7	11550.7	10890.4	10372.2	10184.1
42.5°	20176.1	19921.1	18976.7	16080.7	13590.0	12821.1	12223.5	11245.6	10593.7	10305.3
45°	23347.9	23009.4	21672.1	18074.0	14990.0	13966.1	13167.9	11784.7	10932.2	10539.4
47.5°	26553.2	26636.7	24735.3	20355.8	16669.9	15378.6	14350.6	12595.4	11425.3	10915.5
50°	29959.0	30017.5	27781.8	22884.0	18575.5	16975.0	15679.5	13502.2	12110.7	11450.4
52.5°	32616.8	32625.2	30548.3	25529.3	20560.5	18730.1	17112.9	14538.6	12904.7	12160.8
55°	34280.1	34259.2	32487.3	28032.5	22842.2	20573.1	18700.9	15717.1	13874.2	12996.6
57.5°	35487.8	35425.1	33824.6	30184.7	25274.4	22750.3	20497.8	17054.4	15019.2	13991.2
60°	35947.5	35909.9	34731.4	32044.3	27831.9	25157.4	22570.6	18550.4	16318.9	15165.5
62.5°	36123.0	36194.0	35621.5	33845.5	30569.2	27823.6	24848.1	20339.0	17781.5	16494.4
65°	36741.5	36871.0	36754.0	36202.4	33661.6	30945.3	27869.5	22466.1	19377.9	17919.4
67.5°	37965.9	38095.5	38145.6	39023.2	37439.4	34835.9	31639.0	25115.6	21245.9	19398.8
70°	37936.7	37899.1	38785.0	41267.3	42170.0	40222.6	36720.6	28375.2	23473.3	20627.4
72.5°	34530.8	34229.9	36323.6	41242.2	46106.6	45847.5	42926.4	32579.2	25395.6	20777.8
75°	25905.4	25103.1	28801.5	37167.7	46762.7	49040.2	46871.3	35186.9	24940.1	18358.2
77.5°	11078.4	10271.9	14630.6	27514.3	41852.4	45843.3	43252.3	30698.7	19908.6	12139.9
80°	2900.2	2896.0	4421.3	12474.2	28463.0	33853.8	29699.9	19825.0	11375.2	4337.8
82.5°	1199.4	1170.1	1625.6	4851.8	13907.6	18997.6	15504.0	8842.7	4107.9	1174.3
85°	447.1	443.0	789.8	1675.8	4906.1	7835.6	5670.9	2260.8	1023.8	572.5
87.5°	125.4	121.2	171.3	580.9	1195.2	1813.7	969.5	371.9	288.3	225.7
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°
9009.9	0°	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9	9009.9
9026.6	2.5°	9039.1	9060.0	9097.6	9126.9	9164.5	9206.3	9264.8	9302.4	9340.0	9365.1
9047.5	5°	9076.7	9122.7	9218.8	9314.9	9427.8	9532.2	9653.4	9741.2	9812.2	9833.1
9122.7	7.5°	9160.3	9235.5	9398.5	9561.5	9741.2	9912.5	10088.0	10238.5	10359.7	10405.6
9256.4	10°	9306.6	9406.9	9636.7	9866.5	10104.7	10368.0	10593.7	10811.0	10982.3	11053.4
9415.2	12.5°	9490.4	9615.8	9916.7	10234.3	10564.4	10928.0	11220.5	11488.0	11701.1	11797.2
9636.7	15°	9728.6	9891.6	10276.1	10702.3	11187.1	11692.8	12064.7	12361.4	12599.6	12716.6
9866.5	17.5°	9987.7	10205.0	10689.8	11333.4	12027.1	12691.5	13126.1	13343.4	13590.0	13702.8
10079.7	20°	10238.5	10505.9	11199.6	12135.7	13059.3	13765.5	14116.6	14175.1	14191.8	14204.3
10280.3	22.5°	10497.6	10857.0	11839.0	13147.0	14137.5	14626.4	14676.5	14425.8	14074.8	13911.8
10476.7	25°	10781.7	11258.1	12674.8	14262.8	15065.2	15123.7	14739.2	14129.1	13464.6	13159.6
10635.5	27.5°	11057.6	11722.0	13677.8	15328.5	15733.8	15219.8	14392.4	13527.3	12725.0	12403.2
10748.3	30°	11333.4	12252.7	14785.2	16260.4	16038.9	14981.6	13844.9	12879.6	12073.0	11734.5
10848.6	32.5°	11613.4	12871.2	16059.8	16933.2	15984.6	14475.9	13163.8	12152.4	11442.0	11086.8
10936.4	35°	11931.0	13631.8	17267.5	17300.9	15621.0	13732.1	12265.3	11283.2	10664.7	10380.6
11040.8	37.5°	12344.7	14597.1	18333.1	17392.9	14985.8	12641.4	11149.5	10255.2	9745.4	9615.8
11195.5	40°	12858.7	15758.9	19148.0	17246.6	14045.5	11316.6	9929.2	9214.6	8926.3	8955.5
11404.4	42.5°	13527.3	17058.5	19720.6	16870.5	12737.5	9950.1	8859.4	8541.8	8679.7	8796.7
11717.8	45°	14396.5	18408.4	20075.8	16231.1	11258.1	8792.5	8228.4	8303.6	8408.1	8420.6
12223.5	47.5°	15508.2	19774.9	20309.8	15265.8	9749.5	7977.7	7827.2	7843.9	7823.0	7735.3
12979.9	50°	16895.6	21103.8	20518.7	13987.0	8466.6	7467.8	7267.2	7208.7	6920.4	6636.2
13987.0	52.5°	18475.2	22324.0	20606.5	12399.0	7467.8	7041.6	6715.6	6347.9	5808.8	5721.0
15253.2	55°	20230.4	23452.4	20380.8	10447.4	6627.8	6494.1	6001.0	5558.0	5499.5	5424.3
16920.6	57.5°	22328.2	24668.5	19921.1	8270.2	5767.0	5854.7	5374.2	5424.3	5319.8	5202.8
19064.5	60°	24622.5	25926.3	19114.6	6285.2	4876.9	5056.6	5211.2	5207.0	5177.7	5081.6
21325.3	62.5°	26686.9	26753.8	17526.6	4814.2	4095.4	4438.1	4860.1	4856.0	4830.9	4776.6
23686.4	65°	27915.5	26628.4	14877.1	3790.3	3451.8	3928.2	4383.7	4417.2	4421.3	4417.2
25462.5	67.5°	27698.2	25161.6	11241.4	3017.2	2921.1	3410.0	3911.5	3957.5	3990.9	3999.3
25688.1	70°	25241.0	21939.6	7329.9	2407.1	2448.9	2954.5	3464.4	3510.3	3539.6	3573.0
22290.6	72.5°	19674.6	16130.8	4195.7	1947.4	2035.2	2561.7	3021.4	3075.7	3092.4	3155.1
15512.3	75°	11989.5	9486.3	2265.0	1533.7	1671.6	2189.8	2582.6	2645.3	2674.5	2749.8
7618.3	77.5°	5700.1	4107.9	1291.3	1195.2	1345.6	1788.6	2181.4	2252.5	2173.1	2214.9
2102.0	80°	1926.5	1525.3	814.9	911.0	1028.0	1395.8	1746.8	1817.9	1650.7	1642.3
697.9	82.5°	672.8	618.5	518.2	606.0	664.5	998.8	1320.6	1412.5	1228.6	1224.4
313.4	85°	263.3	250.7	288.3	330.1	397.0	614.3	869.2	915.2	756.4	610.1
91.9	87.5°	54.3	58.5	71.0	75.2	121.2	213.1	313.4	384.5	305.1	259.1
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°
9009.9
9348.4
9841.5
10409.8
11057.6
11797.2
12708.2
13698.7
14237.7
13957.8
13205.5
12440.8
11772.2
11132.8
10443.2
9707.7
9055.8
8905.4
8504.2
7802.1
6673.8
5750.3
5436.8
5181.9
5048.2
4755.7
4417.2
4007.6
3589.7
3180.2
2758.1
2181.4
1625.6
1165.9
601.8
238.2
0.0

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