

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: P848943

Luminaire Tested: **GLAN-SB5D-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848943  
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-SB5D-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 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: 49221 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

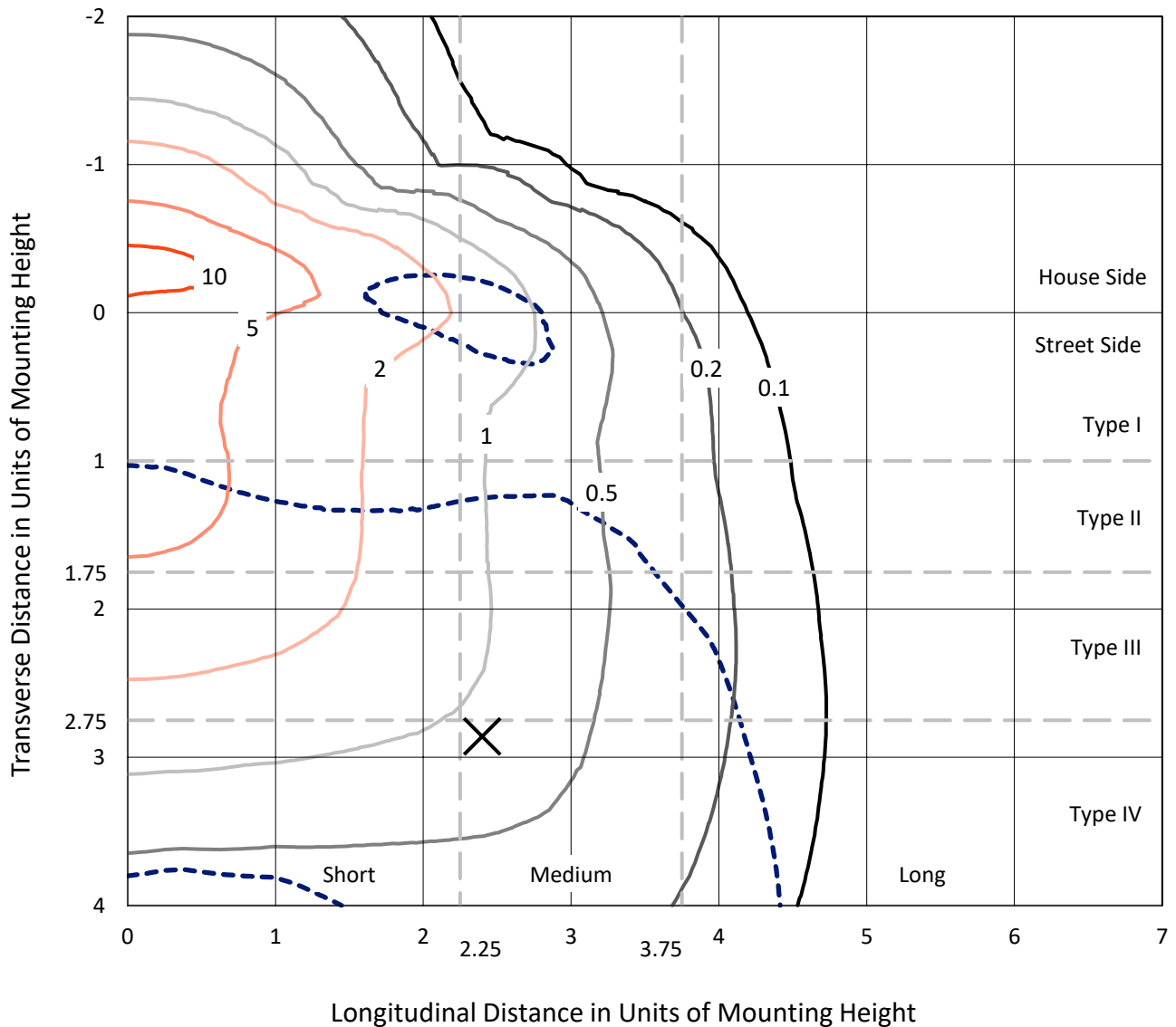
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

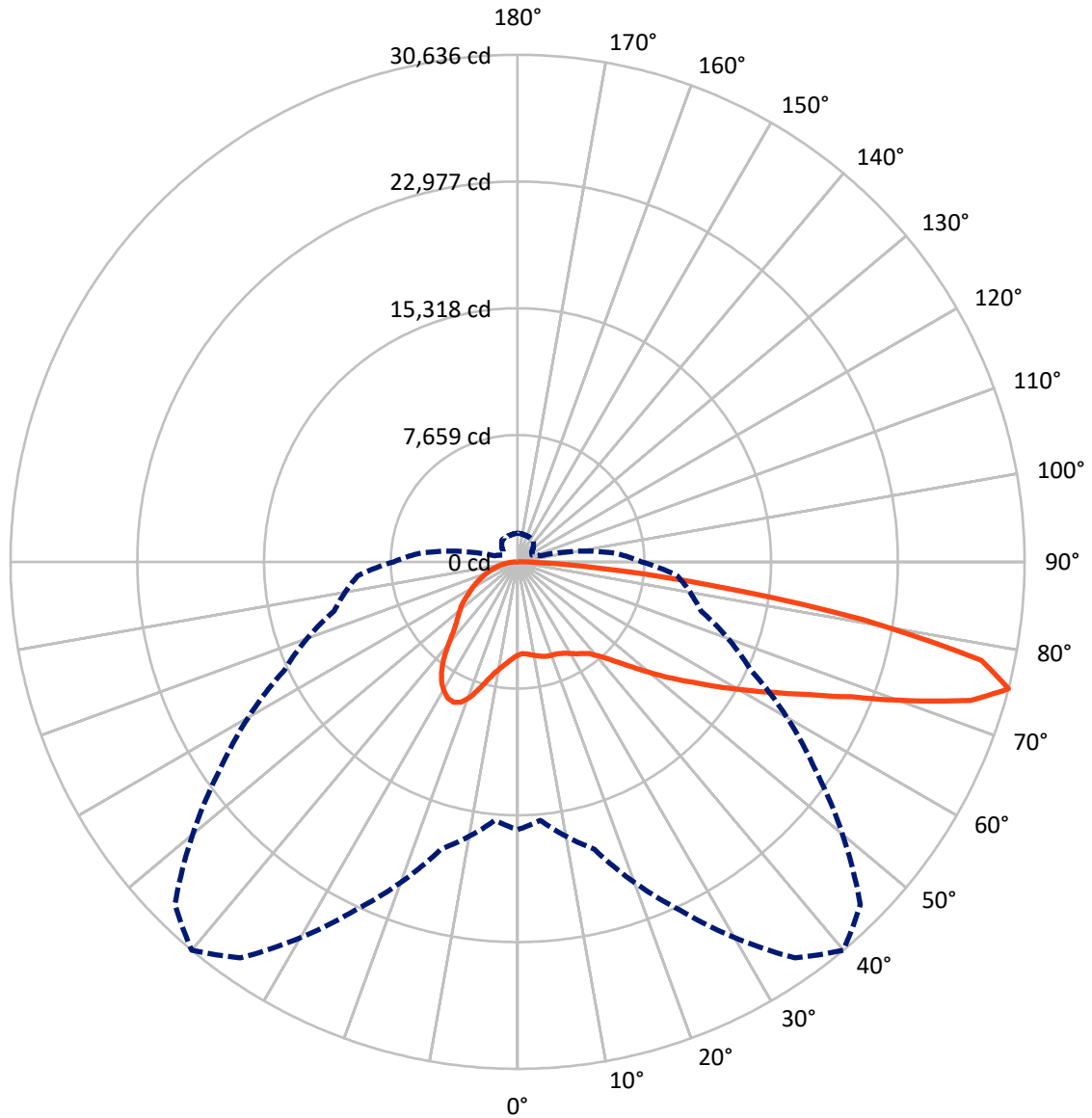
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	15250.3	0.0	15250.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	33970.7	0.0	33970.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	49221.0	0.0	49221.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.8	1.1
10°-20°	1886.3	3.8
20°-30°	3444.3	7.0
30°-40°	4884.9	9.9
40°-50°	6596.1	13.4
50°-60°	8873.5	18.0
60°-70°	11262.6	22.9
70°-80°	10221.5	20.8
80°-90°	1490.0	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°	49221.0	100.0
0°-180°	49221.0	100.0

**Coefficient of Utilization**

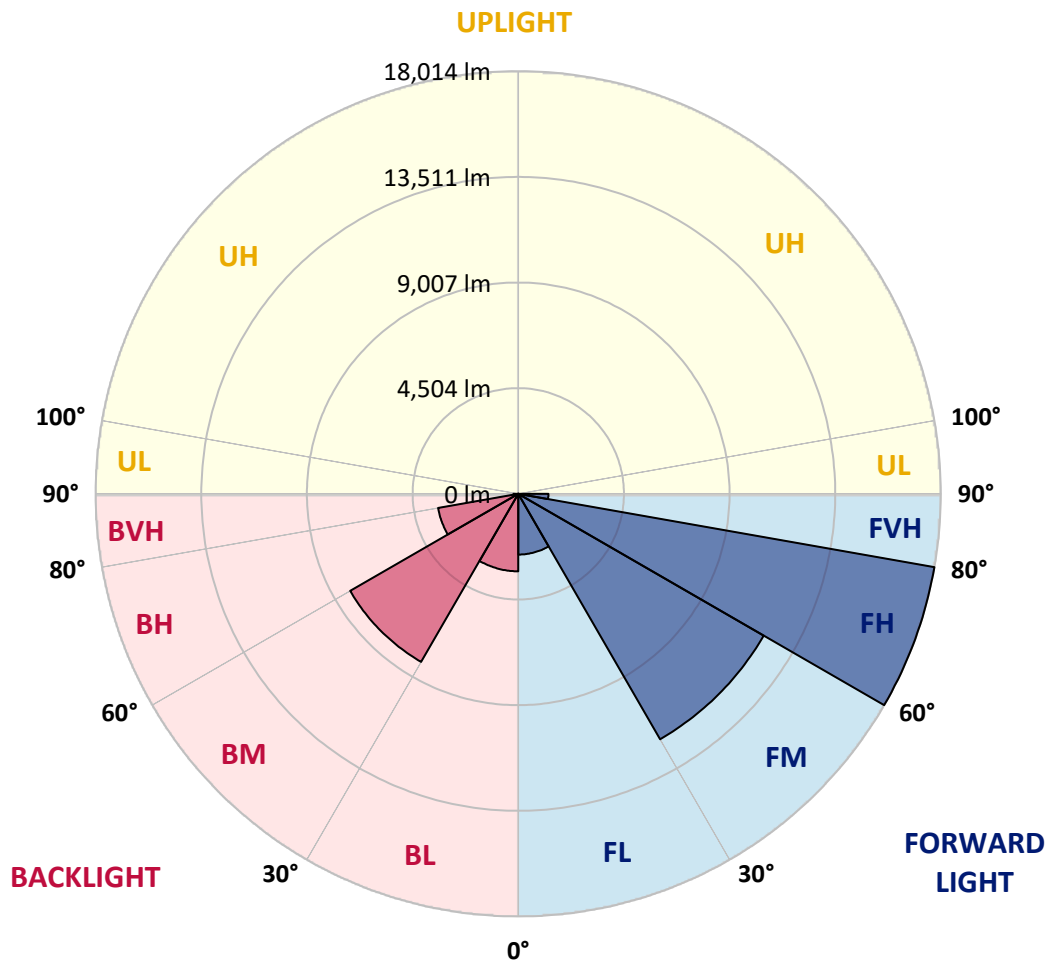


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2589.1	5.3			
FM (30°-60°)	12082.7	24.5			
FH (60°-80°)	18014.1	36.6			G5
FVH (80°-90°)	1284.8	2.6			G5
BL (0°-30°)	3303.4	6.7	B4/5000		
BM (30°-60°)	8271.9	16.8	B4/8500		
BH (60°-80°)	3469.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	205.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5
2.5°	5542.3	5573.7	5565.8	5555.4	5555.4	5558.0	5555.4	5573.7	5591.9	5610.2
5°	5599.8	5631.1	5615.4	5602.4	5591.9	5589.3	5581.5	5578.9	5589.3	5612.8
7.5°	5712.0	5743.4	5719.9	5696.4	5675.5	5665.0	5654.6	5638.9	5631.1	5644.2
10°	5837.3	5868.7	5839.9	5798.2	5764.2	5751.2	5740.7	5725.1	5714.6	5722.5
12.5°	5962.6	5994.0	5954.8	5897.4	5853.0	5845.2	5832.1	5826.9	5824.3	5821.7
15°	6080.1	6106.2	6056.6	5988.8	5941.8	5928.7	5915.7	5923.5	5936.5	5952.2
17.5°	6171.5	6197.6	6124.5	6035.7	5991.4	5986.1	5978.3	6004.4	6041.0	6080.1
20°	6255.0	6281.1	6187.2	6067.1	6014.9	6014.9	6017.5	6072.3	6124.5	6181.9
22.5°	6372.5	6393.4	6278.5	6114.1	6038.4	6043.6	6064.5	6119.3	6184.5	6262.9
25°	6547.4	6563.1	6422.1	6202.8	6116.7	6132.3	6150.6	6176.7	6239.4	6330.7
27.5°	6829.4	6842.4	6657.1	6359.5	6228.9	6255.0	6281.1	6262.9	6291.6	6369.9
30°	7226.2	7234.0	6999.1	6604.9	6419.5	6432.6	6437.8	6362.1	6307.2	6369.9
32.5°	7696.1	7693.5	7414.1	6902.5	6636.2	6623.1	6578.8	6429.9	6302.0	6356.8
35°	8424.5	8395.7	8035.5	7320.2	6881.6	6800.7	6696.2	6505.7	6328.1	6343.8
37.5°	9630.6	9541.8	9043.2	8004.1	7247.1	7040.8	6886.8	6628.4	6385.6	6338.6
40°	10990.7	10878.4	10330.2	8941.4	7795.3	7463.7	7215.7	6803.3	6479.5	6362.1
42.5°	12604.1	12444.8	11854.8	10045.6	8489.7	8009.4	7636.1	7025.2	6617.9	6437.8
45°	14585.5	14374.0	13538.7	11290.9	9364.3	8724.7	8226.0	7361.9	6829.4	6584.0
47.5°	16587.9	16640.1	15452.2	12716.3	10413.7	9607.1	8964.9	7868.4	7137.4	6818.9
50°	18715.5	18752.1	17355.4	14295.7	11604.2	10604.3	9795.0	8434.9	7565.6	7153.1
52.5°	20375.9	20381.1	19083.6	15948.2	12844.2	11700.8	10690.5	9082.3	8061.6	7596.9
55°	21414.9	21401.8	20294.9	17512.0	14269.6	12852.1	11682.5	9818.5	8667.2	8119.0
57.5°	22169.3	22130.2	21130.3	18856.5	15789.0	14212.2	12805.1	10653.9	9382.6	8740.3
60°	22456.5	22433.0	21696.8	20018.2	17386.7	15715.9	14099.9	11588.5	10194.5	9473.9
62.5°	22566.2	22610.5	22252.9	21143.4	19096.7	17381.5	15522.7	12705.9	11108.2	10304.1
65°	22952.5	23033.5	22960.4	22615.8	21028.5	19331.6	17410.2	14034.7	12105.4	11194.3
67.5°	23717.4	23798.4	23829.7	24377.9	23388.5	21762.1	19765.0	15689.8	13272.4	12118.5
70°	23699.2	23675.7	24229.1	25779.8	26343.7	25127.2	22939.5	17726.1	14663.8	12886.0
72.5°	21571.5	21383.6	22691.5	25764.2	28802.9	28641.1	26816.2	20352.4	15864.7	12980.0
75°	16183.2	15682.0	17992.4	23218.8	29212.8	30635.6	29280.7	21981.4	15580.2	11468.4
77.5°	6920.7	6416.9	9139.8	17188.3	26145.3	28638.5	27019.9	19177.6	12437.0	7583.8
80°	1811.8	1809.2	2762.0	7792.7	17780.9	21148.6	18553.6	12384.8	7106.1	2709.8
82.5°	749.2	731.0	1015.5	3030.9	8688.1	11867.9	9685.4	5524.1	2566.2	733.6
85°	279.3	276.7	493.4	1046.9	3064.9	4894.9	3542.6	1412.3	639.6	357.7
87.5°	78.3	75.7	107.0	362.9	746.6	1133.0	605.7	232.3	180.1	141.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5628.5	0°	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5	5628.5
5638.9	2.5°	5646.8	5659.8	5683.3	5701.6	5725.1	5751.2	5787.7	5811.2	5834.7	5850.4
5652.0	5°	5670.3	5699.0	5759.0	5819.1	5889.5	5954.8	6030.5	6085.3	6129.7	6142.8
5699.0	7.5°	5722.5	5769.5	5871.3	5973.1	6085.3	6192.4	6302.0	6396.0	6471.7	6500.4
5782.5	10°	5813.8	5876.5	6020.1	6163.7	6312.5	6476.9	6617.9	6753.7	6860.7	6905.1
5881.7	12.5°	5928.7	6007.0	6195.0	6393.4	6599.6	6826.8	7009.5	7176.6	7309.7	7369.8
6020.1	15°	6077.5	6179.3	6419.5	6685.8	6988.6	7304.5	7536.8	7722.2	7871.0	7944.1
6163.7	17.5°	6239.4	6375.1	6678.0	7080.0	7513.4	7928.4	8199.9	8335.7	8489.7	8560.2
6296.8	20°	6396.0	6563.1	6996.4	7581.2	8158.2	8599.4	8818.7	8855.2	8865.7	8873.5
6422.1	22.5°	6557.9	6782.4	7395.9	8213.0	8831.7	9137.2	9168.5	9011.8	8792.6	8690.7
6544.8	25°	6735.4	7033.0	7918.0	8910.0	9411.3	9447.8	9207.6	8826.5	8411.4	8220.8
6644.0	27.5°	6907.7	7322.8	8544.5	9575.7	9829.0	9507.9	8991.0	8450.6	7949.3	7748.3
6714.5	30°	7080.0	7654.3	9236.4	10157.9	10019.5	9359.1	8649.0	8045.9	7542.1	7330.6
6777.2	32.5°	7254.9	8040.7	10032.6	10578.2	9985.6	9043.2	8223.4	7591.7	7147.9	6926.0
6832.0	35°	7453.3	8515.8	10787.1	10807.9	9758.5	8578.5	7662.2	7048.7	6662.3	6484.8
6897.2	37.5°	7711.8	9118.9	11452.8	10865.4	9361.7	7897.1	6965.1	6406.5	6088.0	6007.0
6993.8	40°	8032.9	9844.6	11961.8	10774.0	8774.3	7069.5	6202.8	5756.4	5576.3	5594.5
7124.4	42.5°	8450.6	10656.5	12319.5	10539.1	7957.2	6215.9	5534.5	5336.1	5422.2	5495.3
7320.2	45°	8993.6	11499.8	12541.4	10139.6	7033.0	5492.7	5140.3	5187.3	5252.6	5260.4
7636.1	47.5°	9688.0	12353.4	12687.6	9536.6	6090.6	4983.7	4889.7	4900.1	4887.1	4832.2
8108.6	50°	10554.7	13183.6	12818.1	8737.7	5289.1	4665.2	4539.9	4503.3	4323.2	4145.7
8737.7	52.5°	11541.5	13945.9	12872.9	7745.7	4665.2	4398.9	4195.3	3965.5	3628.8	3573.9
9528.7	55°	12638.0	14650.8	12732.0	6526.5	4140.4	4056.9	3748.8	3472.1	3435.6	3388.6
10570.4	57.5°	13948.5	15410.5	12444.8	5166.4	3602.6	3657.5	3357.3	3388.6	3323.3	3250.2
11909.6	60°	15381.7	16196.3	11941.0	3926.4	3046.6	3158.8	3255.4	3252.8	3234.6	3174.5
13322.0	62.5°	16671.4	16713.2	10948.9	3007.4	2558.4	2772.5	3036.1	3033.5	3017.9	2983.9
14797.0	65°	17438.9	16634.8	9293.8	2367.8	2156.4	2454.0	2738.5	2759.4	2762.0	2759.4
15906.5	67.5°	17303.2	15718.5	7022.6	1884.9	1824.8	2130.3	2443.5	2472.3	2493.1	2498.4
16047.5	70°	15768.1	13705.7	4579.0	1503.7	1529.8	1845.7	2164.2	2192.9	2211.2	2232.1
13925.0	72.5°	12290.8	10077.0	2621.1	1216.5	1271.4	1600.3	1887.5	1921.4	1931.9	1971.0
9690.6	75°	7489.9	5926.1	1415.0	958.1	1044.2	1368.0	1613.4	1652.5	1670.8	1717.8
4759.2	77.5°	3560.9	2566.2	806.7	746.6	840.6	1117.3	1362.7	1407.1	1357.5	1383.6
1313.1	80°	1203.5	952.9	509.1	569.1	642.2	871.9	1091.2	1135.6	1031.2	1026.0
436.0	82.5°	420.3	386.4	323.7	378.5	415.1	623.9	825.0	882.4	767.5	764.9
195.8	85°	164.5	156.6	180.1	206.2	248.0	383.8	543.0	571.7	472.5	381.1
57.4	87.5°	33.9	36.5	44.4	47.0	75.7	133.1	195.8	240.2	190.6	161.9
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°
5628.5
5839.9
6148.0
6503.0
6907.7
7369.8
7938.9
8557.6
8894.4
8719.5
8249.5
7771.8
7354.1
6954.7
6523.9
6064.5
5657.2
5563.2
5312.6
4874.0
4169.2
3592.2
3396.4
3237.2
3153.6
2970.9
2759.4
2503.6
2242.5
1986.7
1723.0
1362.7
1015.5
728.4
375.9
148.8
0.0

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