

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: P850413

Luminaire Tested: **GLAN-SB7D-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850413  
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-SB7D-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 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: 48397 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

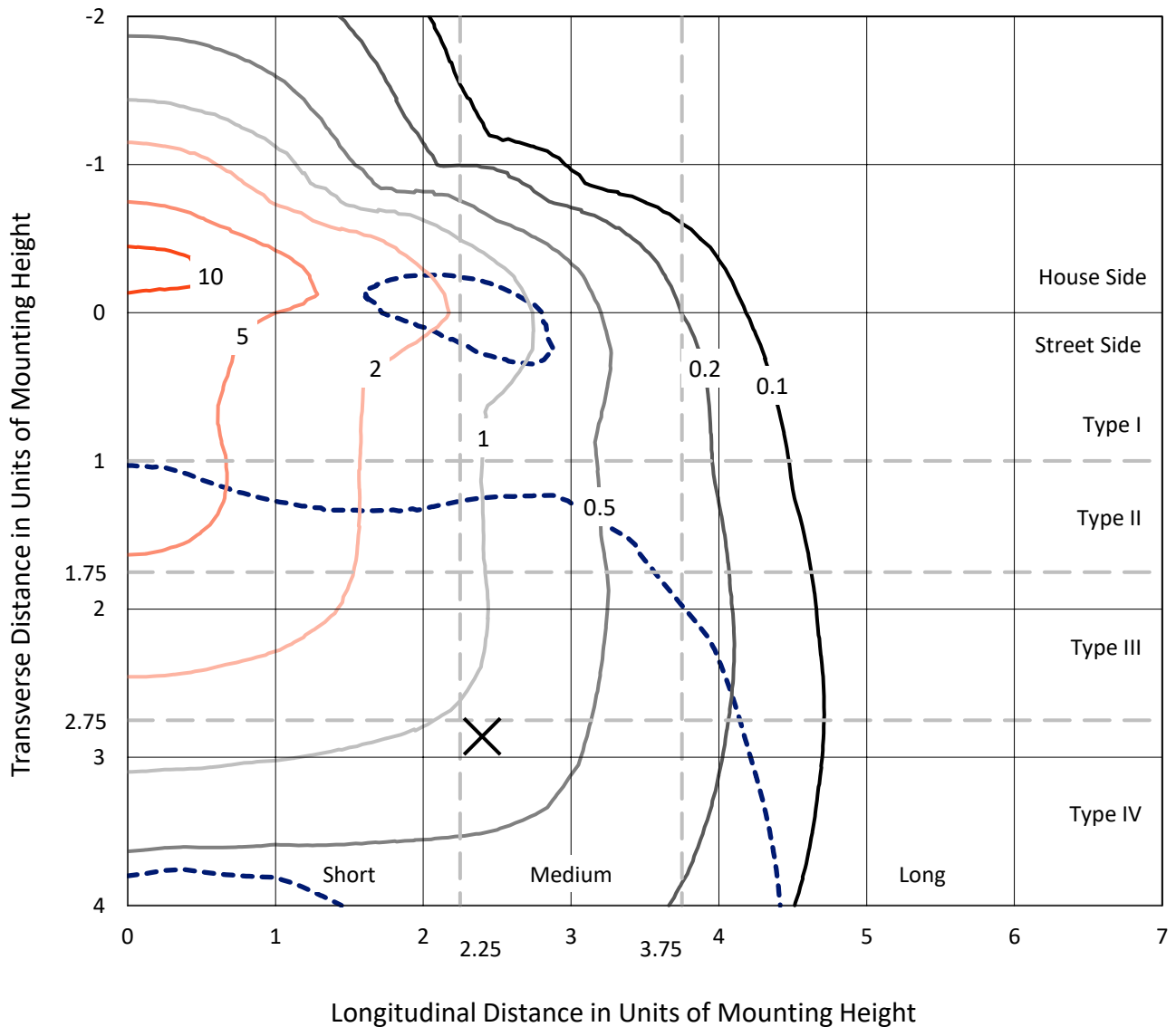
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

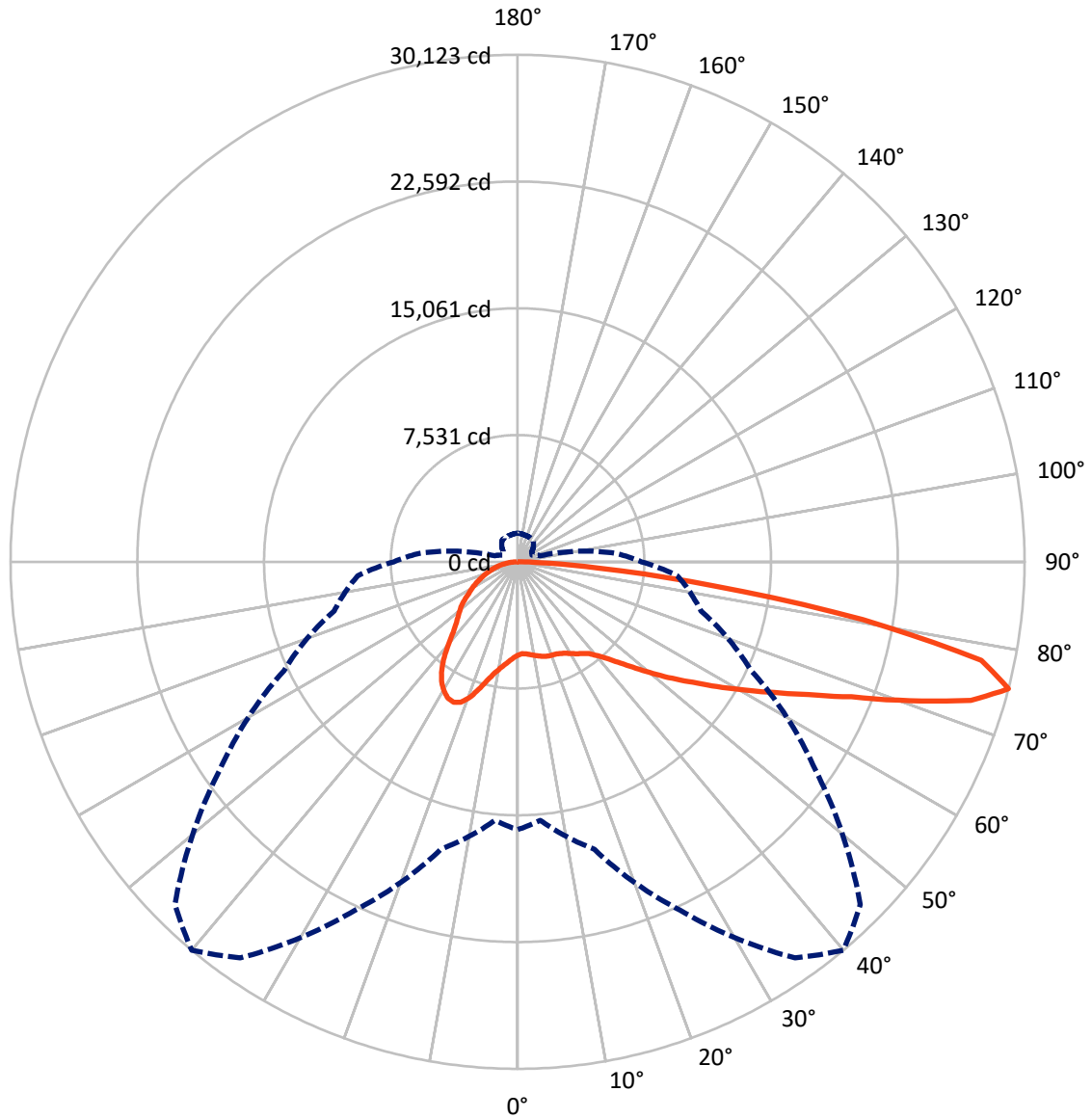
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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
<b>House Side</b>	Lumens	14995.0	0.0	14995.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	33402.0	0.0	33402.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	48397.0	0.0	48397.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.4	1.1
10°-20°	1854.7	3.8
20°-30°	3386.6	7.0
30°-40°	4803.1	9.9
40°-50°	6485.7	13.4
50°-60°	8725.0	18.0
60°-70°	11074.0	22.9
70°-80°	10050.4	20.8
80°-90°	1465.0	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°	48397.0	100.0
0°-180°	48397.0	100.0

**Coefficient of Utilization**

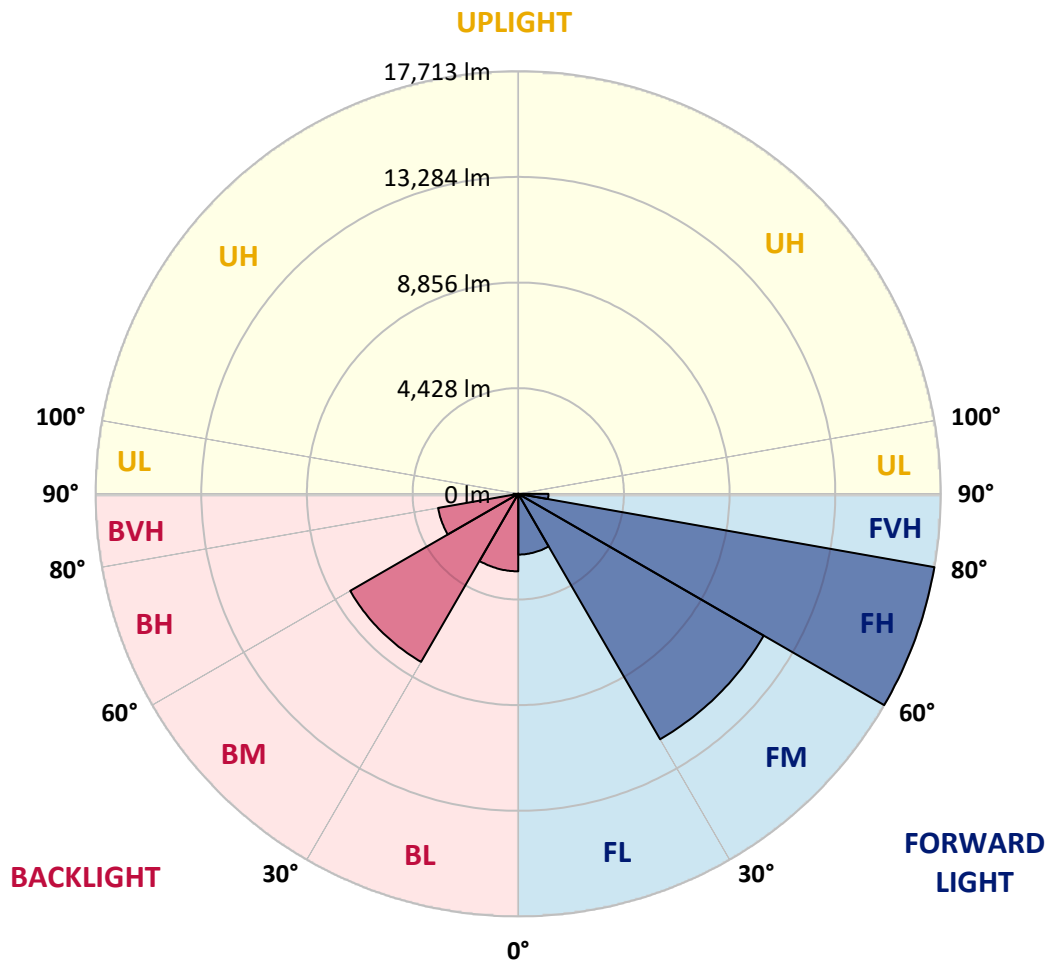


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2545.7	5.3			
FM (30°-60°)	11880.4	24.5			
FH (60°-80°)	17712.6	36.6			G5
FVH (80°-90°)	1263.3	2.6			G5
BL (0°-30°)	3248.1	6.7	B4/5000		
BM (30°-60°)	8133.4	16.8	B4/8500		
BH (60°-80°)	3411.8	7.0	B4/5000		G4/5000
BVH (80°-90°)	201.7	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°	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3
2.5°	5449.6	5480.4	5472.7	5462.4	5462.4	5465.0	5462.4	5480.4	5498.3	5516.3
5°	5506.0	5536.8	5521.4	5508.6	5498.3	5495.8	5488.1	5485.5	5495.8	5518.9
7.5°	5616.4	5647.2	5624.1	5601.0	5580.5	5570.2	5559.9	5544.5	5536.8	5549.7
10°	5739.6	5770.4	5742.2	5701.1	5667.7	5654.9	5644.6	5629.2	5619.0	5626.7
12.5°	5862.8	5893.6	5855.1	5798.7	5755.0	5747.3	5734.5	5729.3	5726.8	5724.2
15°	5978.3	6004.0	5955.2	5888.5	5842.3	5829.5	5816.6	5824.3	5837.2	5852.6
17.5°	6068.2	6093.8	6022.0	5934.7	5891.1	5885.9	5878.2	5903.9	5939.8	5978.3
20°	6150.3	6176.0	6083.6	5965.5	5914.2	5914.2	5916.7	5970.6	6022.0	6078.4
22.5°	6265.8	6286.4	6173.4	6011.7	5937.3	5942.4	5962.9	6016.8	6081.0	6158.0
25°	6437.8	6453.2	6314.6	6099.0	6014.3	6029.7	6047.6	6073.3	6134.9	6224.8
27.5°	6715.0	6727.9	6545.6	6253.0	6124.7	6150.3	6176.0	6158.0	6186.3	6263.3
30°	7105.2	7112.9	6881.9	6494.3	6312.0	6324.9	6330.0	6255.6	6201.7	6263.3
32.5°	7567.3	7564.7	7290.0	6786.9	6525.1	6512.3	6468.6	6322.3	6196.5	6250.4
35°	8283.4	8255.2	7901.0	7197.6	6766.4	6686.8	6584.1	6396.7	6222.2	6237.6
37.5°	9469.3	9382.1	8891.8	7870.2	7125.7	6923.0	6771.5	6517.4	6278.7	6232.5
40°	10806.7	10696.3	10157.3	8791.7	7664.8	7338.8	7094.9	6689.4	6371.1	6255.6
42.5°	12393.0	12236.5	11656.3	9877.5	8347.6	7875.3	7508.2	6907.6	6507.1	6330.0
45°	14341.3	14133.4	13312.0	11101.9	9207.5	8578.6	8088.3	7238.7	6715.0	6473.8
47.5°	16310.2	16361.5	15193.5	12503.4	10239.4	9446.2	8814.8	7736.7	7017.9	6704.8
50°	18402.2	18438.1	17064.8	14056.4	11409.9	10426.8	9631.1	8293.7	7438.9	7033.3
52.5°	20034.7	20039.9	18764.1	15681.3	12629.2	11504.9	10511.5	8930.3	7926.6	7469.7
55°	21056.4	21043.5	19955.2	17218.8	14030.7	12636.9	11486.9	9654.2	8522.1	7983.1
57.5°	21798.2	21759.7	20776.6	18540.8	15524.7	13974.3	12590.7	10475.6	9225.5	8594.0
60°	22080.6	22057.5	21333.6	19683.1	17095.6	15452.8	13863.9	11394.5	10023.8	9315.3
62.5°	22188.4	22232.0	21880.4	20789.4	18777.0	17090.5	15262.9	12493.2	10922.2	10131.6
65°	22568.3	22647.9	22576.0	22237.2	20676.5	19008.0	17118.7	13799.7	11902.8	11006.9
67.5°	23320.4	23400.0	23430.8	23969.8	22997.0	21397.8	19434.1	15427.1	13050.2	11915.6
70°	23302.4	23279.3	23823.5	25348.3	25902.7	24706.5	22555.5	17429.3	14418.3	12670.3
72.5°	21210.4	21025.6	22311.6	25332.9	28320.7	28161.6	26367.3	20011.6	15599.1	12762.7
75°	15912.3	15419.4	17691.2	22830.1	28723.7	30122.7	28790.5	21613.4	15319.3	11276.4
77.5°	6804.9	6309.5	8986.8	16900.5	25707.6	28159.0	26567.5	18856.5	12228.8	7456.9
80°	1781.4	1778.9	2715.8	7662.2	17483.2	20794.6	18243.0	12177.4	6987.1	2664.5
82.5°	736.7	718.7	998.5	2980.2	8542.7	11669.2	9523.2	5431.6	2523.3	721.3
85°	274.7	272.1	485.1	1029.3	3013.6	4813.0	3483.3	1388.7	628.9	351.7
87.5°	77.0	74.4	105.2	356.8	734.1	1114.0	595.5	228.5	177.1	138.6
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°
5534.3	0°	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3	5534.3
5544.5	2.5°	5552.2	5565.1	5588.2	5606.1	5629.2	5654.9	5690.8	5713.9	5737.0	5752.4
5557.4	5°	5575.3	5603.6	5662.6	5721.6	5791.0	5855.1	5929.6	5983.5	6027.1	6039.9
5603.6	7.5°	5626.7	5672.9	5773.0	5873.1	5983.5	6088.7	6196.5	6288.9	6363.4	6391.6
5685.7	10°	5716.5	5778.1	5919.3	6060.5	6206.8	6368.5	6507.1	6640.6	6745.8	6789.5
5783.3	12.5°	5829.5	5906.5	6091.3	6286.4	6489.2	6712.5	6892.2	7056.4	7187.4	7246.4
5919.3	15°	5975.8	6075.9	6312.0	6573.9	6871.6	7182.2	7410.7	7592.9	7739.2	7811.1
6060.5	17.5°	6134.9	6268.4	6566.2	6961.5	7387.6	7795.7	8062.7	8196.1	8347.6	8416.9
6191.4	20°	6288.9	6453.2	6879.3	7454.3	8021.6	8455.4	8671.0	8707.0	8717.2	8724.9
6314.6	22.5°	6448.1	6668.8	7272.1	8075.5	8683.9	8984.2	9015.0	8861.0	8645.4	8545.2
6435.2	25°	6622.6	6915.3	7785.4	8760.9	9253.7	9289.7	9053.5	8678.7	8270.6	8083.2
6532.8	27.5°	6792.0	7200.2	8401.5	9415.4	9664.4	9348.7	8840.4	8309.1	7816.2	7618.6
6602.1	30°	6961.5	7526.2	9081.7	9987.9	9851.8	9202.4	8504.2	7911.2	7415.8	7207.9
6663.7	32.5°	7133.4	7906.1	9864.6	10401.1	9818.4	8891.8	8085.8	7464.6	7028.2	6810.0
6717.6	35°	7328.5	8373.3	10606.5	10627.0	9595.1	8434.9	7533.9	6930.7	6550.8	6376.2
6781.8	37.5°	7582.7	8966.2	11261.0	10683.5	9204.9	7764.9	6848.5	6299.2	5986.0	5906.5
6876.8	40°	7898.4	9679.8	11761.6	10593.6	8627.4	6951.2	6099.0	5660.0	5482.9	5500.9
7005.1	42.5°	8309.1	10478.1	12113.3	10362.6	7823.9	6111.8	5441.9	5246.8	5331.5	5403.3
7197.6	45°	8843.0	11307.2	12331.4	9969.9	6915.3	5400.8	5054.2	5100.5	5164.6	5172.3
7508.2	47.5°	9525.8	12146.6	12475.2	9376.9	5988.6	4900.2	4807.8	4818.1	4805.3	4751.4
7972.8	50°	10378.0	12962.9	12603.5	8591.5	5200.6	4587.1	4463.9	4427.9	4250.8	4076.3
8591.5	52.5°	11348.3	13712.4	12657.4	7616.0	4587.1	4325.2	4125.0	3899.1	3568.0	3514.1
9369.2	55°	12426.4	14405.5	12518.8	6417.3	4071.1	3989.0	3686.1	3414.0	3378.1	3331.9
10393.4	57.5°	13715.0	15152.5	12236.5	5079.9	3542.3	3596.2	3301.0	3331.9	3267.7	3195.8
11710.3	60°	15124.2	15925.1	11741.1	3860.6	2995.6	3106.0	3200.9	3198.4	3180.4	3121.4
13098.9	62.5°	16392.3	16433.4	10765.6	2957.1	2515.6	2726.1	2985.3	2982.8	2967.3	2934.0
14549.3	65°	17147.0	16356.4	9138.2	2328.2	2120.3	2412.9	2692.7	2713.2	2715.8	2713.2
15640.2	67.5°	17013.5	15455.4	6905.0	1853.3	1794.3	2094.6	2402.6	2430.9	2451.4	2456.5
15778.8	70°	15504.1	13476.3	4502.4	1478.5	1504.2	1814.8	2128.0	2156.2	2174.2	2194.7
13691.9	72.5°	12085.0	9908.3	2577.2	1196.2	1250.1	1573.5	1855.9	1889.2	1899.5	1938.0
9528.4	75°	7364.5	5826.9	1391.3	942.1	1026.8	1345.1	1586.4	1624.9	1642.8	1689.0
4679.5	77.5°	3501.3	2523.3	793.2	734.1	826.5	1098.6	1339.9	1383.6	1334.8	1360.5
1291.2	80°	1183.3	936.9	500.5	559.6	631.5	857.3	1073.0	1116.6	1013.9	1008.8
428.7	82.5°	413.3	379.9	318.3	372.2	408.1	613.5	811.1	867.6	754.7	752.1
192.5	85°	161.7	154.0	177.1	202.8	243.9	377.3	533.9	562.2	464.6	374.8
56.5	87.5°	33.4	35.9	43.6	46.2	74.4	130.9	192.5	236.2	187.4	159.1
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°
5534.3
5742.2
6045.1
6394.2
6792.0
7246.4
7806.0
8414.3
8745.5
8573.5
8111.4
7641.7
7231.0
6838.3
6414.7
5962.9
5562.5
5470.1
5223.7
4792.4
4099.4
3532.1
3339.6
3183.0
3100.8
2921.1
2713.2
2461.7
2205.0
1953.4
1694.2
1339.9
998.5
716.2
369.6
146.3
0.0

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