

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: P851093

Luminaire Tested: **GLAN-SB8D-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851093
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-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 55029 lumens
Efficiency: N/A
Efficacy: 94.1 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

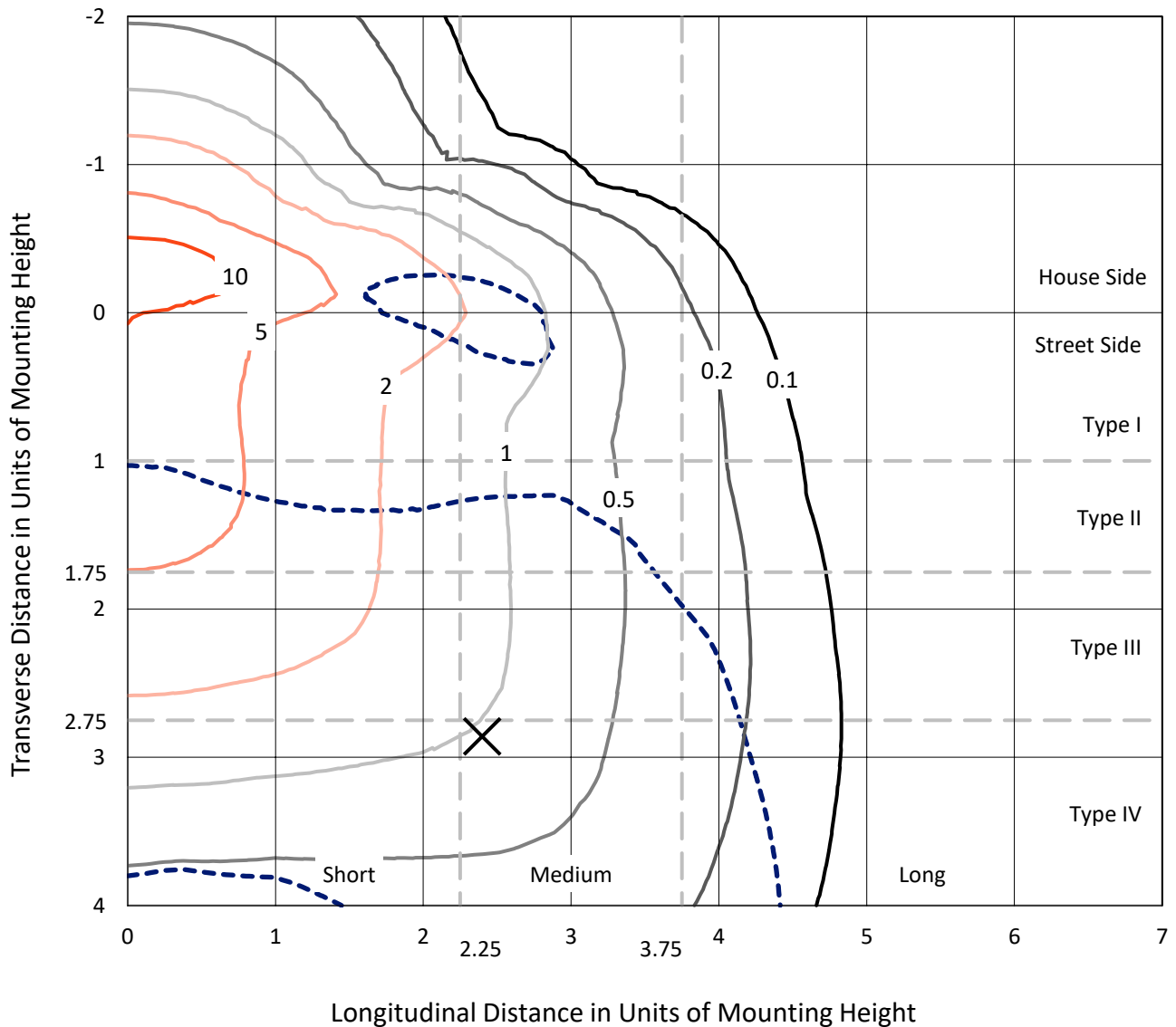
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851093
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Iso-Footcandle Lines of Horizontal Illumination

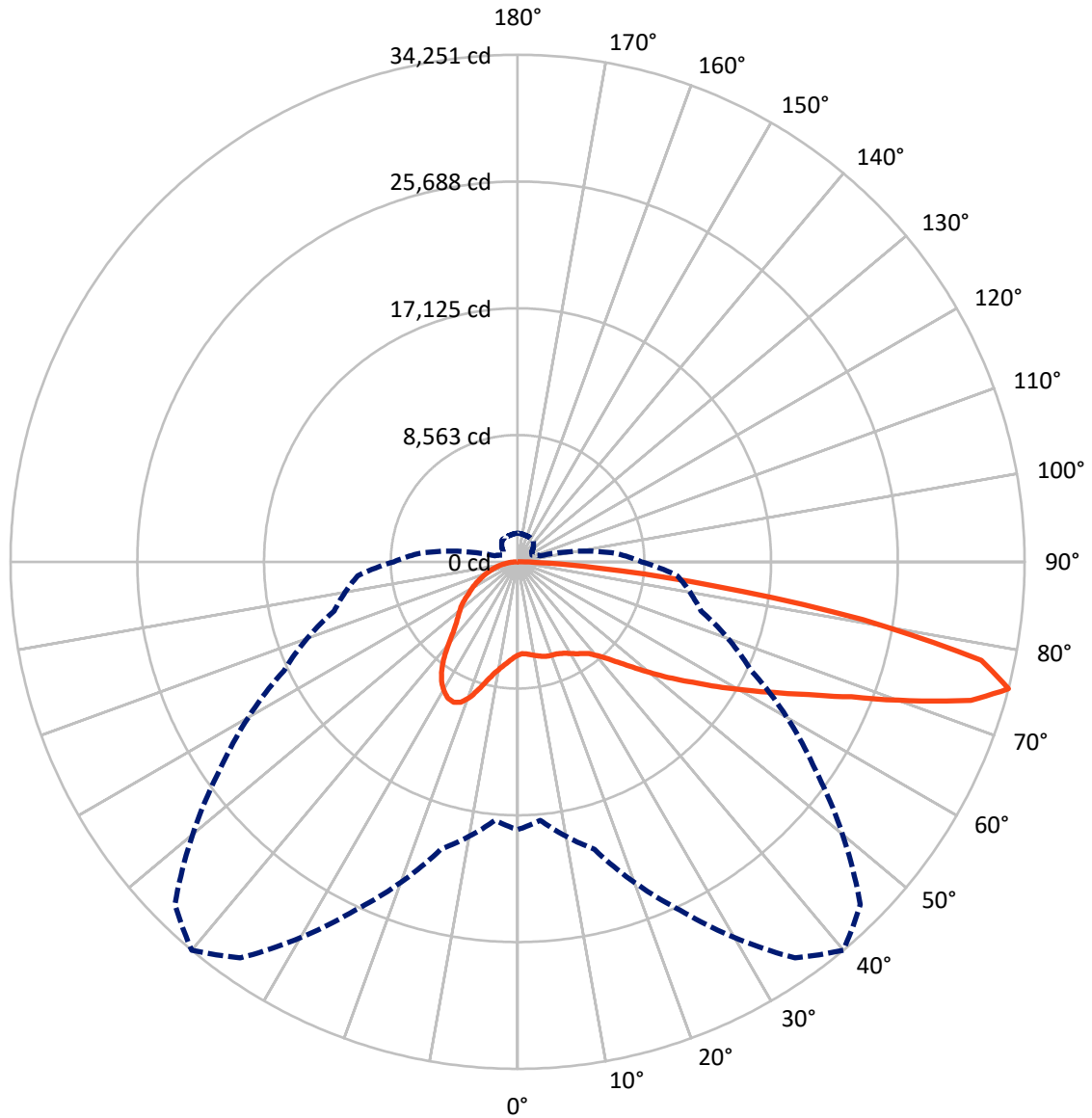
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type IV - Medium - N/A

REPORT NUMBER: P851093
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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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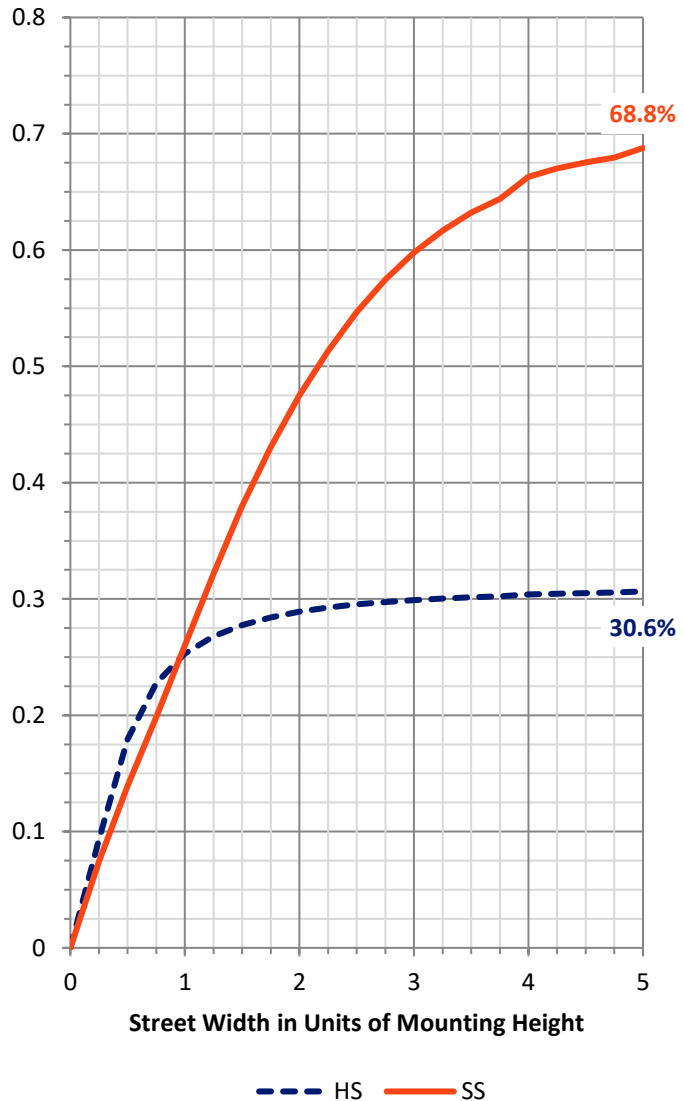
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17049.8	0.0	17049.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	37979.2	0.0	37979.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	55029.0	0.0	55029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.1	1.1
10°-20°	2108.9	3.8
20°-30°	3850.7	7.0
30°-40°	5461.3	9.9
40°-50°	7374.4	13.4
50°-60°	9920.6	18.0
60°-70°	12591.5	22.9
70°-80°	11427.6	20.8
80°-90°	1665.8	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°	55029.0	100.0
0°-180°	55029.0	100.0

Coefficient of Utilization

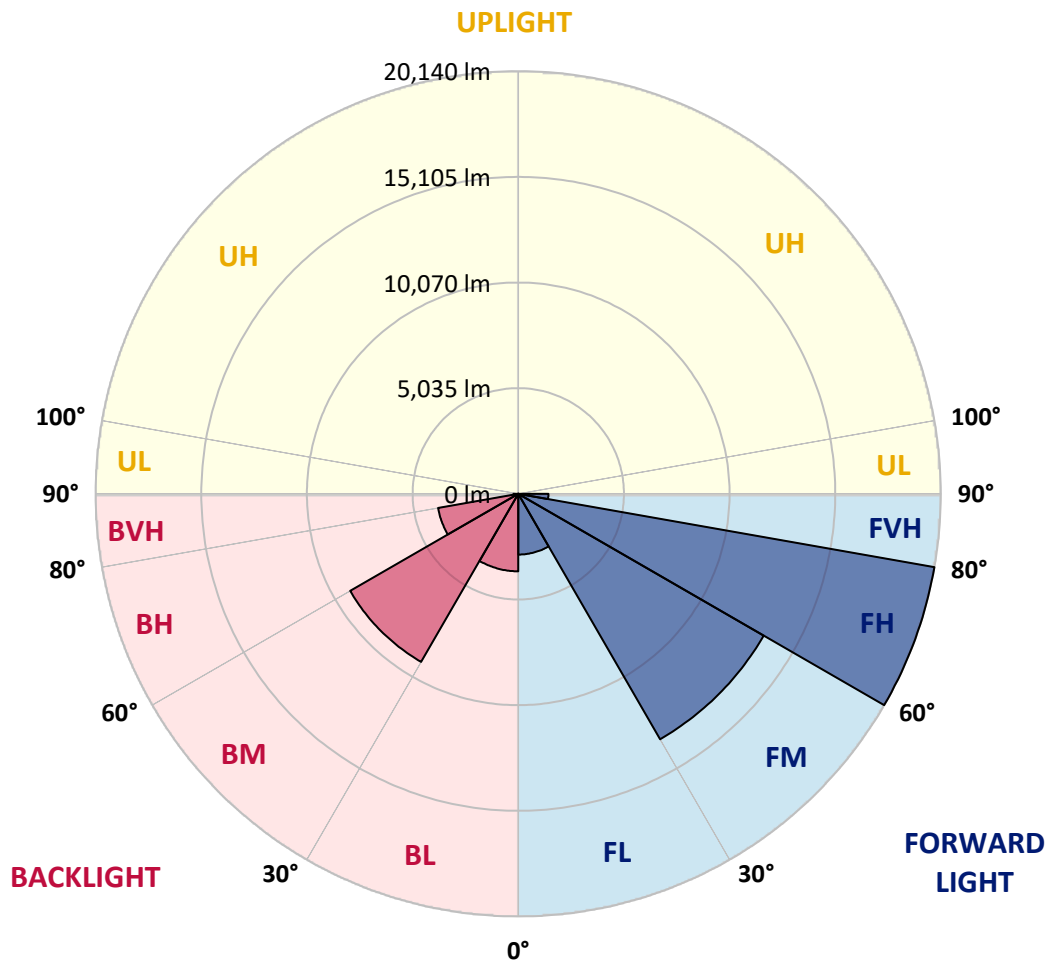


REPORT NUMBER: P851093
 CATALOG NUMBER: GLAN-SB8D-930-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2894.6	5.3			
FM (30°-60°)	13508.4	24.5			
FH (60°-80°)	20139.8	36.6			G5
FVH (80°-90°)	1436.4	2.6			G5
BL (0°-30°)	3693.1	6.7	B4/5000		
BM (30°-60°)	9248.0	16.8	B5		
BH (60°-80°)	3879.3	7.0	B4/5000		G4/5000
BVH (80°-90°)	229.3	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°	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6
2.5°	6196.3	6231.3	6222.6	6210.9	6210.9	6213.8	6210.9	6231.3	6251.8	6272.2
5°	6260.5	6295.6	6278.0	6263.5	6251.8	6248.9	6240.1	6237.2	6248.9	6275.1
7.5°	6386.0	6421.1	6394.8	6368.5	6345.2	6333.5	6321.8	6304.3	6295.6	6310.2
10°	6526.1	6561.2	6529.1	6482.4	6444.4	6429.8	6418.1	6400.6	6389.0	6397.7
12.5°	6666.2	6701.3	6657.5	6593.3	6543.6	6534.9	6520.3	6514.5	6511.5	6508.6
15°	6797.6	6826.8	6771.3	6695.4	6642.9	6628.3	6613.7	6622.4	6637.0	6654.6
17.5°	6899.7	6928.9	6847.2	6748.0	6698.3	6692.5	6683.7	6712.9	6753.8	6797.6
20°	6993.1	7022.3	6917.2	6783.0	6724.6	6724.6	6727.5	6788.8	6847.2	6911.4
22.5°	7124.5	7147.8	7019.4	6835.5	6750.9	6756.7	6780.1	6841.3	6914.3	7001.9
25°	7320.0	7337.5	7179.9	6934.7	6838.4	6855.9	6876.4	6905.6	6975.6	7077.8
27.5°	7635.2	7649.8	7442.6	7109.9	6963.9	6993.1	7022.3	7001.9	7034.0	7121.5
30°	8078.9	8087.6	7824.9	7384.2	7177.0	7191.6	7197.4	7112.8	7051.5	7121.5
32.5°	8604.2	8601.3	8289.0	7716.9	7419.2	7404.7	7355.0	7188.7	7045.7	7106.9
35°	9418.5	9386.4	8983.6	8183.9	7693.6	7603.1	7486.4	7273.3	7074.8	7092.4
37.5°	10767.0	10667.7	10110.3	8948.6	8102.2	7871.6	7699.4	7410.5	7139.1	7086.5
40°	12287.6	12162.1	11549.2	9996.4	8715.1	8344.5	8067.2	7606.0	7244.1	7112.8
42.5°	14091.3	13913.3	13253.7	11231.0	9491.5	8954.5	8537.1	7854.1	7398.8	7197.4
45°	16306.6	16070.2	15136.2	12623.2	10469.2	9754.2	9196.7	8230.6	7635.2	7360.9
47.5°	18545.2	18603.6	17275.6	14216.8	11642.6	10740.7	10022.7	8796.9	7979.6	7623.6
50°	20923.9	20964.8	19403.3	15982.6	12973.5	11855.6	10950.8	9430.2	8458.3	7997.1
52.5°	22780.2	22786.0	21335.4	17830.1	14359.8	13081.5	11951.9	10154.0	9012.8	8493.3
55°	23941.8	23927.2	22689.7	19578.4	15953.4	14368.6	13061.0	10977.1	9690.0	9077.0
57.5°	24785.3	24741.5	23623.7	21081.5	17652.1	15889.2	14316.0	11911.1	10489.7	9771.7
60°	25106.3	25080.1	24257.0	22380.3	19438.3	17570.4	15763.7	12955.9	11397.4	10591.8
62.5°	25228.9	25278.5	24878.7	23638.3	21350.0	19432.5	17354.4	14205.1	12418.9	11520.0
65°	25660.9	25751.4	25669.6	25284.4	23509.8	21612.7	19464.6	15690.7	13533.8	12515.2
67.5°	26516.1	26606.5	26641.6	27254.5	26148.3	24330.0	22097.2	17541.2	14838.5	13548.4
70°	26495.6	26469.4	27088.1	28821.8	29452.2	28092.1	25646.3	19817.7	16394.1	14406.5
72.5°	24116.9	23906.8	25369.0	28804.3	32201.6	32020.7	29980.5	22753.9	17736.7	14511.6
75°	18092.8	17532.4	20115.4	25958.6	32659.8	34250.5	32735.7	24575.2	17418.6	12821.7
77.5°	7737.4	7174.1	10218.2	19216.5	29230.4	32017.7	30208.2	21440.5	13904.5	8478.7
80°	2025.6	2022.6	3087.9	8712.2	19879.0	23644.1	20742.9	13846.1	7944.6	3029.6
82.5°	837.7	817.2	1135.4	3388.6	9713.3	13268.2	10828.2	6175.9	2869.0	820.1
85°	312.3	309.4	551.6	1170.4	3426.5	5472.5	3960.6	1579.0	715.1	399.9
87.5°	87.6	84.6	119.7	405.7	834.7	1266.7	677.1	259.8	201.4	157.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851093
 CATALOG NUMBER: GLAN-SB8D-930-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6292.6	0°	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6	6292.6
6304.3	2.5°	6313.1	6327.7	6353.9	6374.4	6400.6	6429.8	6470.7	6496.9	6523.2	6540.7
6318.9	5°	6339.3	6371.4	6438.6	6505.7	6584.5	6657.5	6742.1	6803.4	6853.0	6867.6
6371.4	7.5°	6397.7	6450.2	6564.1	6677.9	6803.4	6923.1	7045.7	7150.7	7235.4	7267.5
6464.8	10°	6499.9	6569.9	6730.4	6891.0	7057.3	7241.2	7398.8	7550.6	7670.2	7719.9
6575.7	12.5°	6628.3	6715.8	6926.0	7147.8	7378.4	7632.3	7836.6	8023.4	8172.3	8239.4
6730.4	15°	6794.6	6908.5	7177.0	7474.7	7813.3	8166.4	8426.2	8633.4	8799.8	8881.5
6891.0	17.5°	6975.6	7127.4	7465.9	7915.4	8399.9	8864.0	9167.5	9319.3	9491.5	9570.3
7039.8	20°	7150.7	7337.5	7822.0	8475.8	9120.8	9614.1	9859.2	9900.1	9911.8	9920.5
7179.9	22.5°	7331.7	7582.7	8268.6	9182.1	9873.8	10215.3	10250.3	10075.2	9830.1	9716.2
7317.1	25°	7530.2	7862.9	8852.3	9961.4	10521.8	10562.6	10294.1	9868.0	9403.9	9190.9
7428.0	27.5°	7722.8	8186.9	9552.8	10705.7	10988.8	10629.8	10051.9	9447.7	8887.3	8662.6
7506.8	30°	7915.4	8557.5	10326.2	11356.5	11201.8	10463.4	9669.5	8995.3	8432.0	8195.6
7576.9	32.5°	8111.0	8989.5	11216.4	11826.4	11163.9	10110.3	9193.8	8487.5	7991.3	7743.2
7638.1	35°	8332.8	9520.7	12059.9	12083.3	10910.0	9590.7	8566.3	7880.4	7448.4	7250.0
7711.1	37.5°	8621.7	10194.9	12804.2	12147.5	10466.3	8829.0	7787.0	7162.4	6806.3	6715.8
7819.1	40°	8980.7	11006.3	13373.3	12045.3	9809.6	7903.7	6934.7	6435.7	6234.3	6254.7
7965.0	42.5°	9447.7	11914.0	13773.2	11782.6	8896.1	6949.3	6187.6	5965.7	6062.1	6143.8
8183.9	45°	10054.8	12856.7	14021.3	11336.1	7862.9	6140.9	5746.8	5799.4	5872.4	5881.1
8537.1	47.5°	10831.2	13811.1	14184.7	10661.9	6809.2	5571.7	5466.7	5478.3	5463.7	5402.4
9065.4	50°	11800.2	14739.3	14330.6	9768.8	5913.2	5215.7	5075.6	5034.7	4833.3	4634.8
9768.8	52.5°	12903.4	15591.5	14391.9	8659.7	5215.7	4917.9	4690.3	4433.5	4056.9	3995.7
10653.1	55°	14129.3	16379.5	14234.3	7296.7	4629.0	4535.6	4191.2	3881.8	3841.0	3788.4
11817.7	57.5°	15594.4	17228.9	13913.3	5776.0	4027.8	4089.0	3753.4	3788.4	3715.5	3633.7
13314.9	60°	17196.8	18107.4	13350.0	4389.7	3406.1	3531.6	3639.6	3636.7	3616.2	3549.1
14893.9	62.5°	18638.6	18685.3	12240.9	3362.3	2860.3	3099.6	3394.4	3391.5	3374.0	3336.0
16543.0	65°	19496.7	18597.7	10390.4	2647.2	2410.8	2743.5	3061.7	3085.0	3087.9	3085.0
17783.4	67.5°	19344.9	17573.3	7851.2	2107.3	2040.1	2381.6	2731.9	2764.0	2787.3	2793.2
17941.0	70°	17628.7	15323.0	5119.3	1681.2	1710.3	2063.5	2419.6	2451.7	2472.1	2495.5
15568.2	72.5°	13741.1	11266.0	2930.3	1360.1	1421.4	1789.1	2110.2	2148.1	2159.8	2203.6
10834.1	75°	8373.6	6625.4	1581.9	1071.1	1167.5	1529.4	1803.7	1847.5	1867.9	1920.5
5320.7	77.5°	3981.1	2869.0	901.9	834.7	939.8	1249.2	1523.5	1573.2	1517.7	1546.9
1468.1	80°	1345.5	1065.3	569.1	636.3	718.0	974.8	1220.0	1269.6	1152.9	1147.0
487.4	82.5°	469.9	432.0	361.9	423.2	464.1	697.6	922.3	986.5	858.1	855.2
218.9	85°	183.9	175.1	201.4	230.6	277.3	429.0	607.1	639.2	528.3	426.1
64.2	87.5°	37.9	40.9	49.6	52.5	84.6	148.9	218.9	268.5	213.1	181.0
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°
6292.6
6529.1
6873.5
7270.4
7722.8
8239.4
8875.7
9567.4
9943.9
9748.3
9223.0
8688.9
8221.9
7775.3
7293.7
6780.1
6324.7
6219.7
5939.5
5449.1
4661.1
4016.1
3797.2
3619.1
3525.7
3321.4
3085.0
2799.0
2507.1
2221.1
1926.3
1523.5
1135.4
814.3
420.3
166.4
0.0

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