

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: P849606

Luminaire Tested: **GLAN-SB6D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47813 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

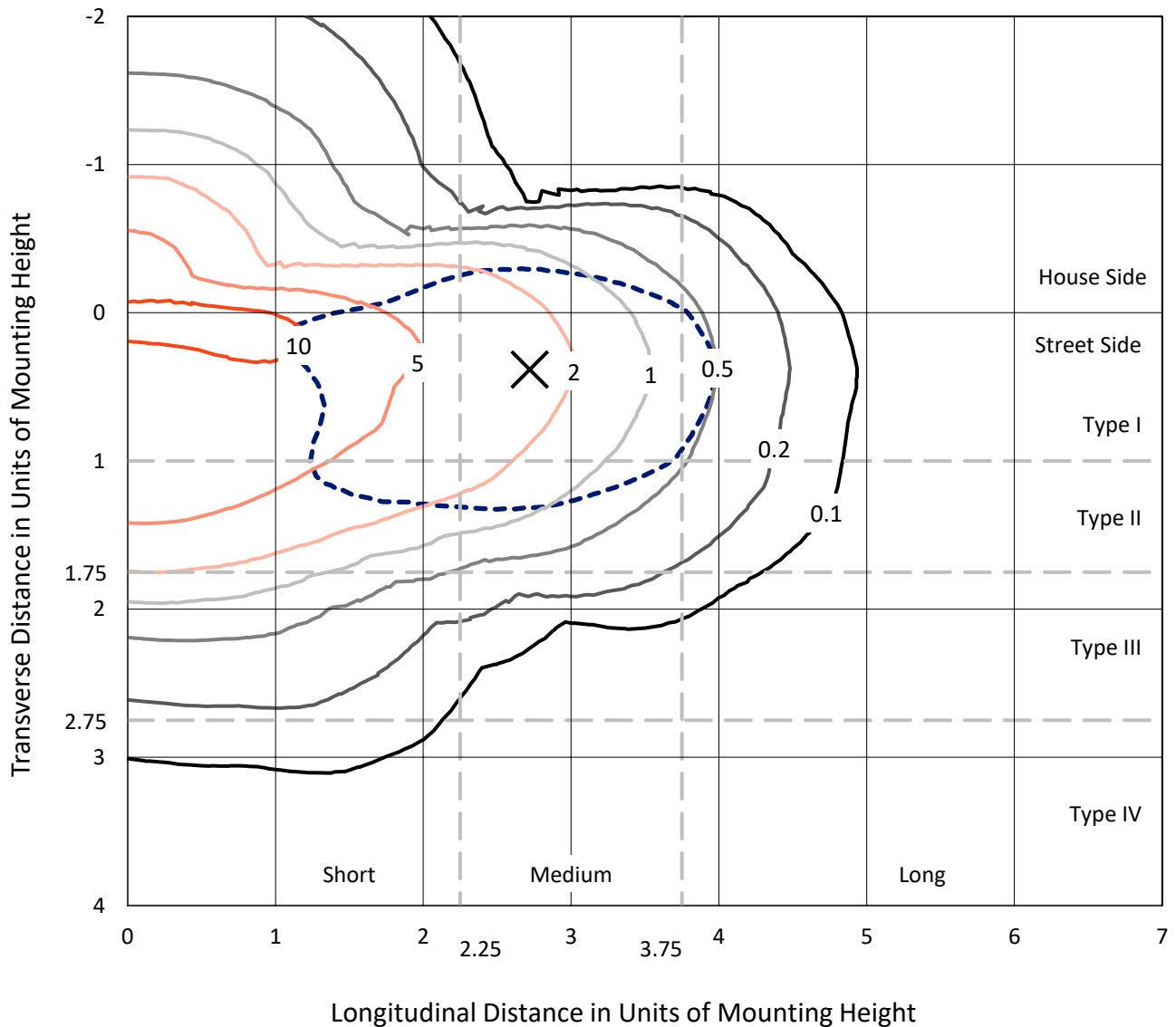
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

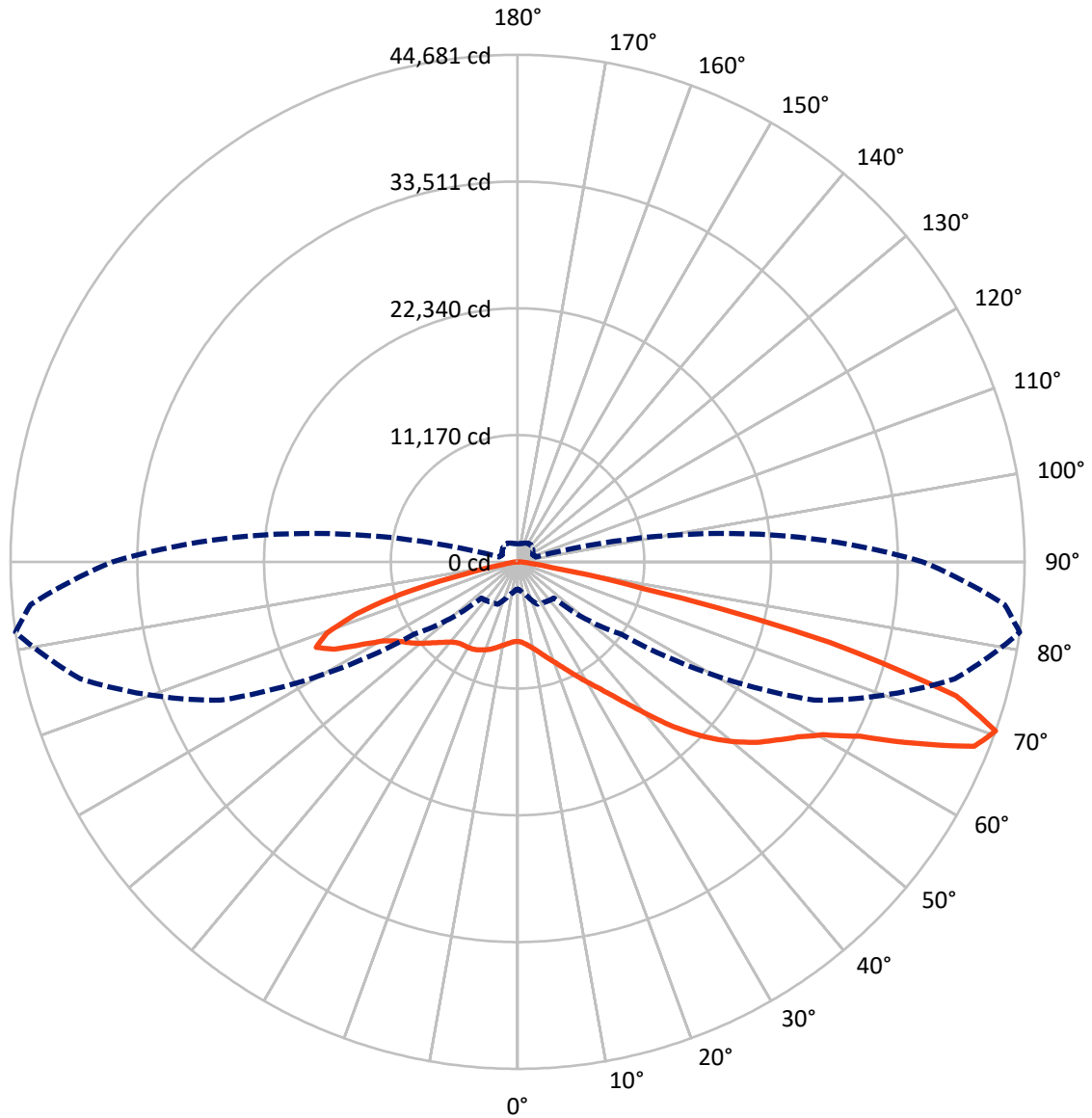
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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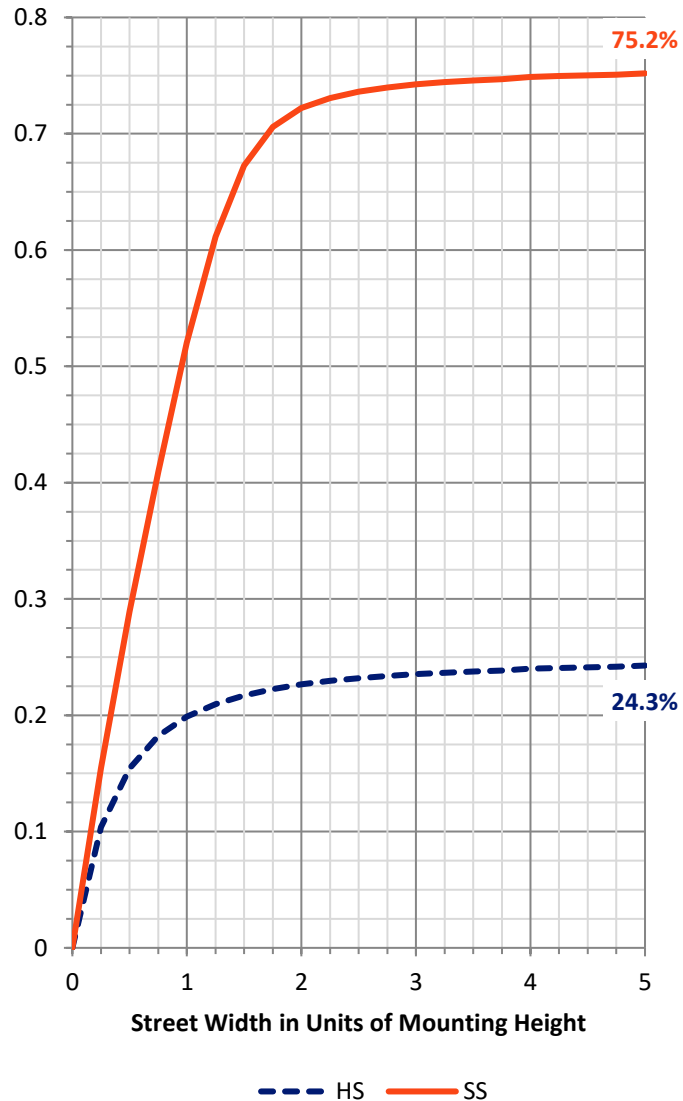
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11787.1	0.0	11787.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	36025.9	0.0	36025.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	47813.0	0.0	47813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	661.9	1.4
10°-20°	1901.6	4.0
20°-30°	3181.2	6.7
30°-40°	4969.8	10.4
40°-50°	7915.0	16.6
50°-60°	11014.6	23.0
60°-70°	11521.8	24.1
70°-80°	6021.9	12.6
80°-90°	625.3	1.3
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°	47813.0	100.0
0°-180°	47813.0	100.0

Coefficient of Utilization

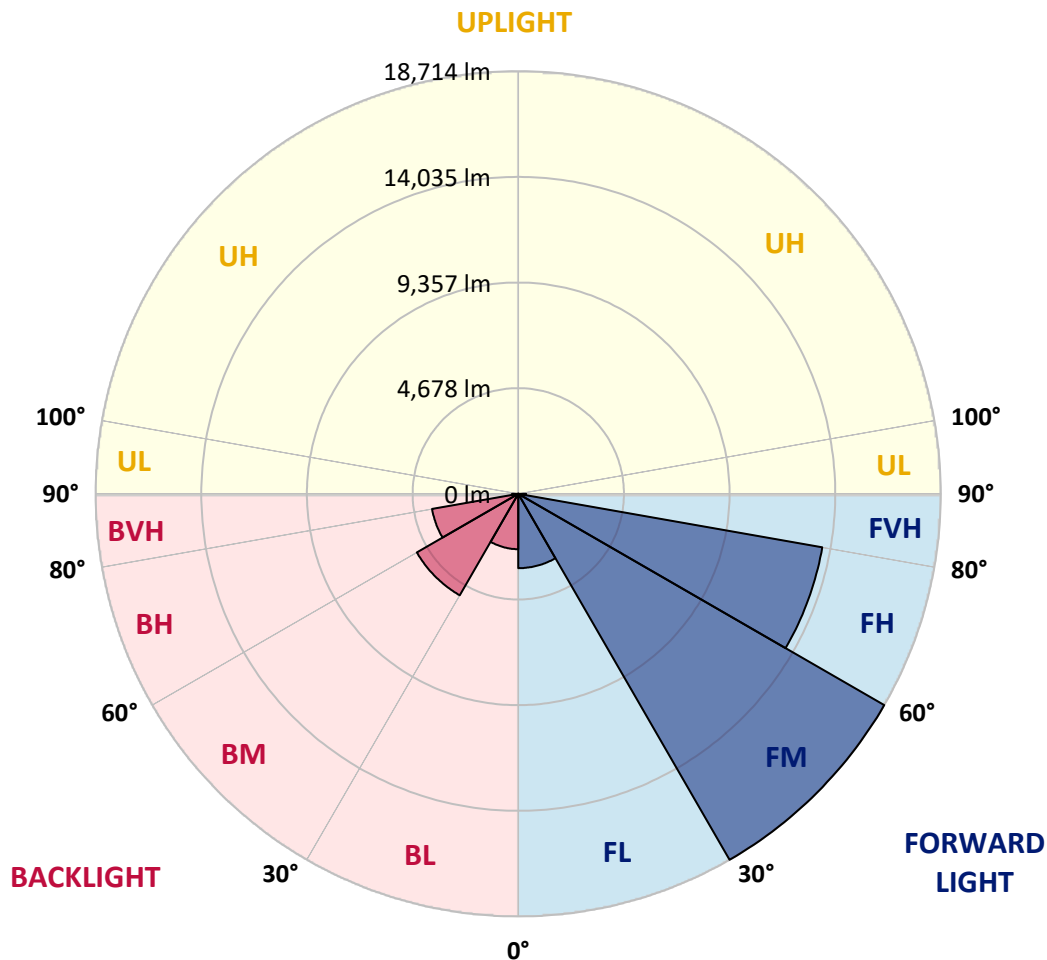


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3292.5	6.9			
FM (30°-60°)	18713.5	39.1			
FH (60°-80°)	13669.9	28.6			G5
FVH (80°-90°)	350.1	0.7			G3/500
BL (0°-30°)	2452.1	5.1	B3/2500		
BM (30°-60°)	5185.8	10.8	B4/8500		
BH (60°-80°)	3873.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	275.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0
2.5°	7177.4	7218.0	7205.3	7192.7	7192.7	7174.9	7172.4	7147.0	7126.7	7093.7
5°	7268.8	7311.9	7306.8	7317.0	7350.0	7357.6	7365.2	7350.0	7309.4	7268.8
7.5°	7187.6	7235.8	7251.0	7311.9	7413.4	7504.7	7573.2	7601.1	7563.1	7504.7
10°	6913.6	6966.9	7020.1	7164.7	7344.9	7560.5	7743.2	7852.3	7844.7	7788.9
12.5°	6358.0	6413.8	6527.9	6809.6	7139.4	7519.9	7859.9	8088.2	8166.9	8126.3
15°	5914.0	5962.2	6048.4	6337.7	6766.4	7344.9	7903.0	8347.0	8547.5	8524.6
17.5°	5901.3	5921.6	5974.9	6111.9	6441.7	7070.9	7857.4	8600.7	8983.8	8981.3
20°	6124.5	6132.2	6162.6	6190.5	6378.2	6862.8	7740.7	8811.3	9473.5	9473.5
22.5°	6434.1	6429.0	6459.4	6434.1	6525.4	6845.1	7667.1	8996.5	10019.0	10059.6
25°	6898.4	6873.0	6865.4	6807.0	6824.8	7010.0	7748.3	9207.1	10665.9	10749.7
27.5°	7517.4	7476.8	7448.9	7314.4	7268.8	7350.0	7996.9	9460.8	11386.5	11531.1
30°	8324.2	8250.6	8210.0	7976.6	7811.7	7824.4	8372.4	9798.2	12140.0	12373.4
32.5°	9425.3	9311.1	9202.0	8818.9	8517.0	8418.1	8857.0	10265.1	12956.9	13329.9
35°	10658.3	10567.0	10450.3	9859.1	9394.8	9166.5	9511.6	10917.1	13913.4	14504.6
37.5°	11845.7	11767.0	11822.8	11026.2	10427.4	10095.1	10369.1	11792.4	15093.2	15965.9
40°	13073.6	13012.7	13020.4	12259.2	11561.5	11188.6	11409.3	12891.0	16445.4	17703.8
42.5°	14408.1	14362.5	14210.2	13535.4	12751.4	12403.8	12606.8	14159.5	17896.6	19682.8
45°	15902.5	15874.6	15732.5	14958.7	14060.6	13669.8	13943.9	15560.0	19355.5	21545.0
47.5°	17193.9	17216.7	17198.9	16546.9	15615.8	15042.4	15369.7	17021.3	20712.8	23295.6
50°	17815.5	17934.7	18109.8	17906.8	17328.3	16744.8	16808.2	18432.0	22006.7	24937.1
52.5°	17490.7	17716.5	18193.5	18518.2	18741.5	18619.7	18449.7	19832.4	23224.5	26418.7
55°	16280.5	16597.7	17389.2	18173.2	19312.3	20197.8	20421.0	21385.1	24411.9	27722.8
57.5°	14075.8	14590.8	15301.2	16886.9	18804.9	20961.4	22719.7	23539.1	25670.3	29115.7
60°	10295.5	10985.6	11868.5	14228.0	17029.0	20553.0	24675.8	26847.5	27458.9	30919.5
62.5°	6588.8	7015.1	7826.9	10049.4	13269.0	18459.9	25274.5	30983.0	30490.8	33877.8
65°	4510.9	4785.0	5528.3	6776.6	8577.9	13740.9	23671.1	34083.3	35306.2	38566.3
67.5°	3277.9	3486.0	4120.2	5213.7	5589.2	8131.4	18368.5	33941.2	39987.1	43396.9
70°	2389.9	2537.1	3069.9	4120.2	4300.4	4523.6	11127.7	28851.8	39885.6	44680.7
72.5°	1770.9	1872.4	2230.1	3196.7	3480.9	3054.7	5508.0	20969.1	34273.6	40413.3
75°	1281.2	1357.3	1621.2	2445.8	2785.7	2326.5	2747.7	12254.2	23907.0	28428.1
77.5°	979.3	1037.7	1210.2	1791.2	2230.1	1745.5	1704.9	5637.4	11335.7	11391.5
80°	786.5	824.6	918.4	1260.9	1710.0	1306.6	1111.2	2275.8	3582.4	3031.8
82.5°	578.5	641.9	776.3	885.4	1222.9	900.7	677.4	1149.3	1362.4	1172.1
85°	329.8	373.0	469.4	634.3	781.4	550.5	388.2	510.0	634.3	520.1
87.5°	116.7	152.2	164.9	248.6	340.0	228.3	149.7	147.2	208.0	154.8
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°
7010.0	0°	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0	7010.0
7086.1	2.5°	7060.7	7048.0	6997.3	6928.8	6857.8	6789.3	6766.4	6718.2	6685.2	6667.5
7251.0	5°	7202.8	7162.2	7043.0	6890.7	6730.9	6558.4	6436.6	6325.0	6243.8	6167.7
7476.8	7.5°	7405.8	7334.7	7129.2	6862.8	6578.7	6292.0	6078.9	5916.5	5807.4	5736.4
7740.7	10°	7641.7	7532.6	7218.0	6819.7	6380.8	5969.8	5718.6	5579.1	5510.6	5472.5
8042.6	12.5°	7913.2	7758.4	7309.4	6720.8	6078.9	5609.5	5437.0	5396.4	5398.9	5401.5
8423.1	15°	8248.1	8032.4	7382.9	6505.1	5685.6	5333.0	5302.5	5368.5	5437.0	5470.0
8854.4	17.5°	8626.1	8321.7	7395.6	6149.9	5300.0	5155.4	5251.8	5393.9	5497.9	5543.5
9336.5	20°	9032.0	8616.0	7304.3	5647.6	4982.8	5010.8	5183.3	5365.9	5480.1	5538.5
9887.0	22.5°	9496.3	8930.6	7086.1	5119.9	4724.1	4853.5	5056.4	5234.0	5353.3	5411.6
10534.0	25°	10026.6	9283.2	6743.6	4675.9	4500.8	4675.9	4878.8	5026.0	5122.4	5175.7
11257.1	27.5°	10615.2	9651.1	6286.9	4323.2	4305.4	4493.2	4660.6	4774.8	4825.5	4866.1
12025.8	30°	11206.3	9986.0	5733.8	4056.8	4135.5	4313.1	4432.3	4483.0	4498.3	4505.9
12883.4	32.5°	11845.7	10275.2	5152.8	3836.1	3973.1	4138.0	4209.0	4231.9	4160.8	4112.6
13923.6	35°	12619.5	10584.7	4584.5	3661.0	3813.2	3955.3	3978.2	3957.9	3874.1	3775.2
15227.6	37.5°	13576.0	10970.4	4130.4	3536.7	3663.6	3757.4	3729.5	3724.5	3732.1	3615.4
16795.5	40°	14748.1	11472.7	3798.0	3440.3	3541.8	3562.1	3483.4	3526.6	3564.6	3387.0
18515.7	42.5°	16049.6	12079.1	3587.4	3374.3	3440.3	3392.1	3270.3	3318.5	3313.4	3080.0
20243.5	45°	17376.5	12738.7	3513.9	3326.1	3346.4	3250.0	3115.5	3128.2	3021.7	2811.1
21900.2	47.5°	18695.8	13446.6	3559.5	3285.5	3229.7	3120.6	3016.6	2960.8	2803.5	2646.2
23488.4	50°	19989.7	14190.0	3727.0	3204.3	3069.9	3006.5	2930.3	2831.4	2663.9	2529.5
24990.4	52.5°	21189.8	14938.4	3914.7	3069.9	2869.5	2907.5	2859.3	2745.1	2580.2	2443.2
26411.1	55°	22326.4	15686.8	3988.3	2884.7	2681.7	2821.2	2793.3	2582.8	2384.9	2273.2
27897.9	57.5°	23564.5	16587.5	3907.1	2648.7	2529.5	2722.3	2615.7	2382.3	2268.2	2184.4
29833.7	60°	25279.6	18000.7	3732.1	2357.0	2384.9	2575.1	2392.5	2296.1	2171.8	2077.9
32736.1	62.5°	28128.7	20636.7	3450.4	2067.7	2214.9	2357.0	2285.9	2189.5	2062.7	1971.3
37698.6	65°	32340.3	24300.3	2920.2	1841.9	2024.6	2143.8	2171.8	2075.3	1943.4	1847.0
42047.2	67.5°	35892.2	26598.9	2209.8	1654.2	1829.2	1971.3	2050.0	1956.1	1816.6	1722.7
43064.6	70°	35696.9	24929.5	1687.2	1469.0	1656.7	1801.3	1902.8	1829.2	1679.6	1590.8
39116.9	72.5°	31706.0	20854.9	1365.0	1281.2	1481.7	1623.7	1745.5	1689.7	1537.5	1451.2
28656.4	75°	23293.0	14803.9	1090.9	1090.9	1263.5	1438.5	1573.0	1537.5	1397.9	1337.0
12030.9	77.5°	9818.5	6210.8	855.0	905.7	1050.4	1235.6	1403.0	1415.7	1293.9	1370.0
3181.5	80°	2610.7	1712.5	652.0	712.9	824.6	1019.9	1220.3	1215.3	1083.3	1012.3
1182.3	82.5°	994.5	674.9	464.3	502.3	596.2	781.4	966.6	997.1	865.1	748.4
464.3	85°	383.1	289.2	286.7	301.9	347.6	517.6	730.7	756.1	652.0	553.1
129.4	87.5°	98.9	86.3	106.6	101.5	159.8	276.5	418.6	433.8	398.3	230.9
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°
7010.0
6687.8
6198.1
5751.6
5482.7
5406.5
5467.4
5553.7
5553.7
5426.8
5190.9
4881.4
4523.6
4127.8
3780.3
3623.0
3392.1
3077.5
2818.7
2646.2
2519.3
2445.8
2263.1
2176.8
2072.8
1971.3
1852.1
1725.2
1598.4
1451.2
1319.3
1243.2
941.3
748.4
570.8
329.8
0.0

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