

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: P851063

Luminaire Tested: **GLAN-SB8D-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851063
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-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 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: 72538 lumens
Efficiency: N/A
Efficacy: 124.0 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

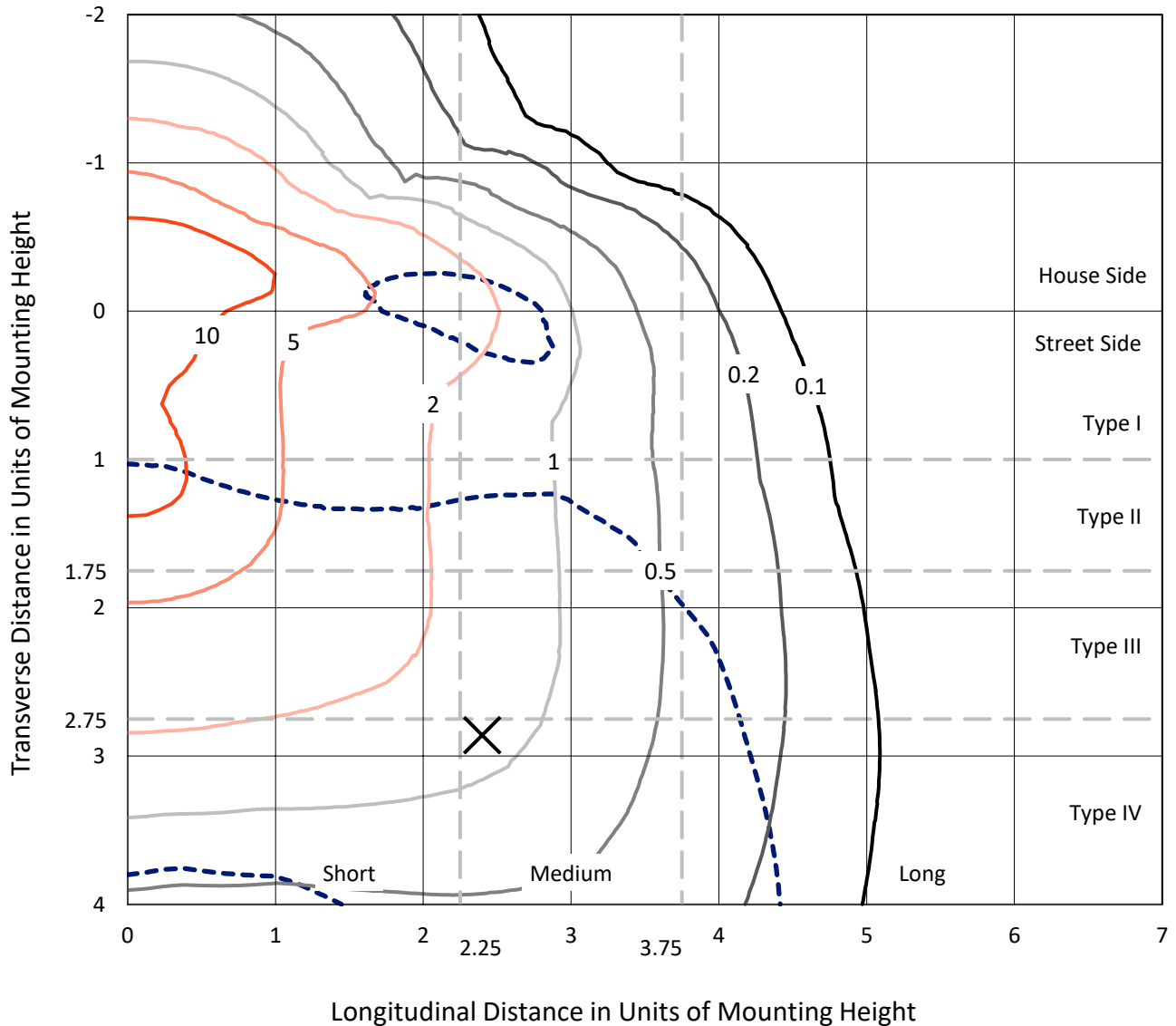
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

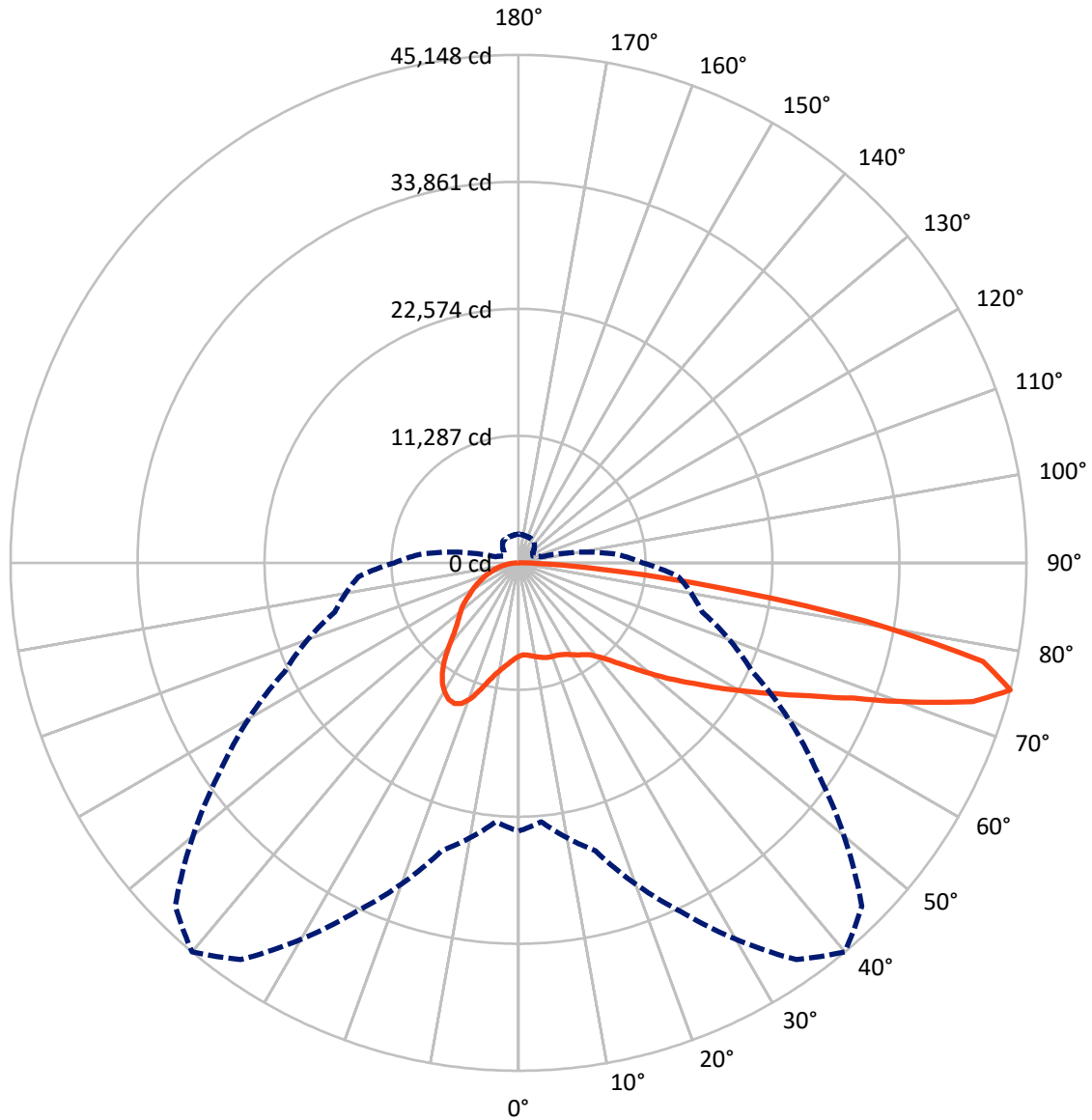
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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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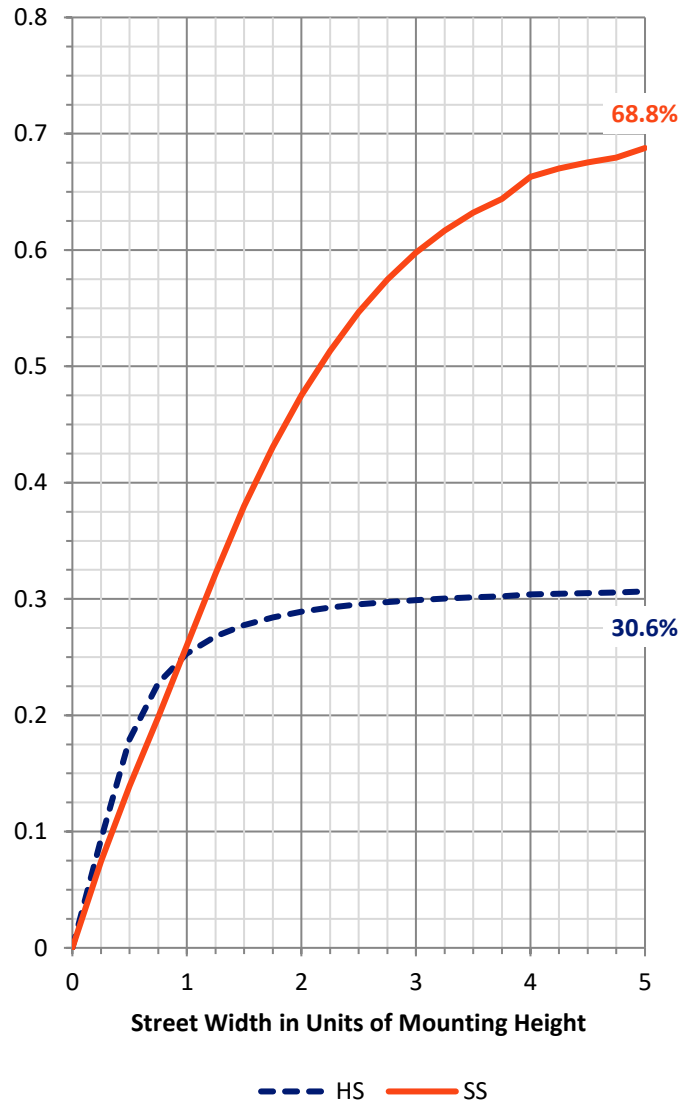
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22474.7	0.0	22474.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	50063.3	0.0	50063.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	72538.0	0.0	72538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.0	1.1
10°-20°	2779.9	3.8
20°-30°	5075.9	7.0
30°-40°	7199.0	9.9
40°-50°	9720.8	13.4
50°-60°	13077.1	18.0
60°-70°	16597.9	22.9
70°-80°	15063.6	20.8
80°-90°	2195.8	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°	72538.0	100.0
0°-180°	72538.0	100.0

Coefficient of Utilization

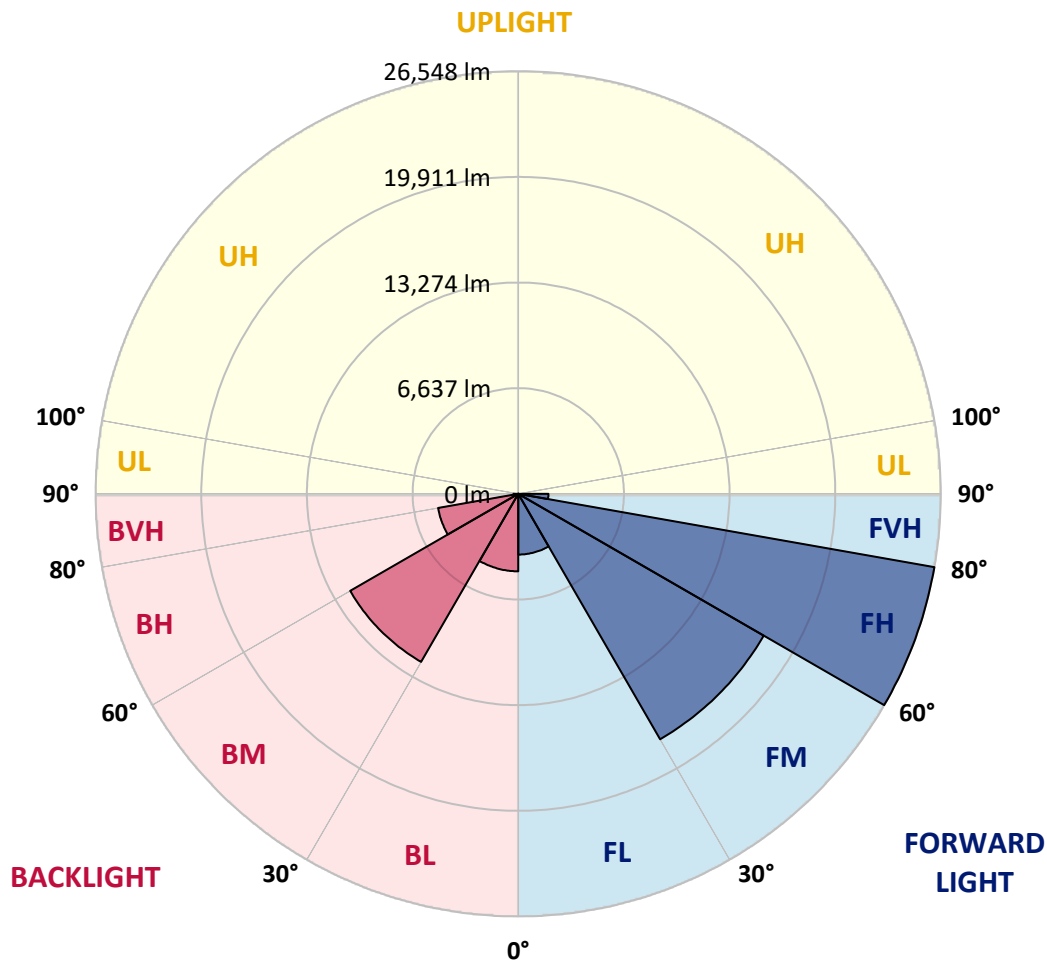


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3815.6	5.3			
FM (30°-60°)	17806.5	24.5			
FH (60°-80°)	26547.8	36.6			G5
FVH (80°-90°)	1893.5	2.6			G5
BL (0°-30°)	4868.2	6.7	B4/5000		
BM (30°-60°)	12190.5	16.8	B5		
BH (60°-80°)	5113.7	7.0	B5		G5
BVH (80°-90°)	302.3	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°	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8
2.5°	8167.9	8214.0	8202.5	8187.1	8187.1	8190.9	8187.1	8214.0	8241.0	8267.9
5°	8252.5	8298.7	8275.6	8256.3	8241.0	8237.1	8225.6	8221.7	8237.1	8271.7
7.5°	8417.9	8464.1	8429.5	8394.8	8364.1	8348.7	8333.3	8310.2	8298.7	8317.9
10°	8602.6	8648.8	8606.4	8544.9	8494.9	8475.6	8460.3	8437.2	8421.8	8433.3
12.5°	8787.3	8833.4	8775.7	8691.1	8625.7	8614.1	8594.9	8587.2	8583.4	8579.5
15°	8960.4	8998.9	8925.8	8825.7	8756.5	8737.3	8718.0	8729.6	8748.8	8771.9
17.5°	9095.1	9133.5	9025.8	8895.0	8829.6	8821.9	8810.4	8848.8	8902.7	8960.4
20°	9218.2	9256.6	9118.1	8941.2	8864.2	8864.2	8868.1	8948.9	9025.8	9110.4
22.5°	9391.3	9422.1	9252.8	9010.4	8898.8	8906.5	8937.3	9018.1	9114.3	9229.7
25°	9649.1	9672.2	9464.4	9141.2	9014.3	9037.3	9064.3	9102.8	9195.1	9329.7
27.5°	10064.6	10083.8	9810.7	9372.1	9179.7	9218.2	9256.6	9229.7	9272.0	9387.5
30°	10649.4	10660.9	10314.7	9733.7	9460.6	9479.8	9487.5	9375.9	9295.1	9387.5
32.5°	11341.9	11338.0	10926.4	10172.3	9779.9	9760.6	9695.2	9475.9	9287.4	9368.2
35°	12415.3	12373.0	11842.0	10787.9	10141.5	10022.3	9868.4	9587.5	9325.9	9349.0
37.5°	14192.8	14061.9	13327.1	11795.9	10680.2	10376.2	10149.2	9768.3	9410.5	9341.3
40°	16197.2	16031.8	15223.8	13177.1	11488.1	10999.5	10634.0	10026.1	9549.0	9375.9
42.5°	18574.8	18340.2	17470.7	14804.5	12511.5	11803.6	11253.4	10353.1	9753.0	9487.5
45°	21495.0	21183.3	19952.2	16639.6	13800.3	12857.7	12122.9	10849.4	10064.6	9702.9
47.5°	24445.9	24522.8	22772.3	18740.3	15347.0	14158.1	13211.7	11595.8	10518.6	10049.2
50°	27581.4	27635.3	25577.0	21067.9	17101.3	15627.8	14435.1	12430.7	11149.5	10541.7
52.5°	30028.3	30036.0	28123.9	23503.3	18928.8	17243.7	15754.8	13384.8	11880.5	11195.7
55°	31559.5	31540.3	29909.0	25807.8	21029.4	18940.3	17216.7	14469.8	12773.1	11965.2
57.5°	32671.4	32613.7	31140.2	27789.2	23268.6	20944.8	18871.1	15700.9	13827.3	12880.8
60°	33094.6	33060.0	31975.1	29501.2	25623.1	23160.9	20779.4	17078.2	15023.8	13961.9
62.5°	33256.2	33321.6	32794.5	31159.4	28143.1	25615.4	22876.2	18724.9	16370.3	15185.4
65°	33825.6	33944.9	33837.2	33329.3	30990.1	28489.4	25657.8	20683.2	17840.0	16497.3
67.5°	34952.9	35072.1	35118.3	35926.3	34468.1	32071.2	29128.0	23122.4	19559.8	17859.2
70°	34926.0	34891.3	35707.0	37992.3	38823.3	37030.4	33806.4	26123.3	21610.4	18990.4
72.5°	31790.4	31513.4	33440.9	37969.2	42447.5	42208.9	39519.6	29993.7	23380.1	19128.9
75°	23849.5	23110.8	26515.7	34218.0	43051.5	45148.3	43151.5	32394.4	22960.8	16901.3
77.5°	10199.2	9456.7	13469.5	25330.7	38530.9	42205.1	39819.7	28262.4	18328.6	11176.5
80°	2670.0	2666.2	4070.5	11484.2	26204.1	31167.1	27342.9	18251.7	10472.4	3993.5
82.5°	1104.2	1077.2	1496.6	4466.7	12803.9	17489.9	14273.5	8140.9	3781.9	1081.1
85°	411.7	407.8	727.1	1542.8	4516.8	7213.7	5220.8	2081.4	942.6	527.1
87.5°	115.4	111.6	157.7	534.8	1100.3	1669.7	892.6	342.4	265.5	207.8
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°
8294.8	0°	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8	8294.8
8310.2	2.5°	8321.7	8341.0	8375.6	8402.5	8437.2	8475.6	8529.5	8564.1	8598.8	8621.8
8329.4	5°	8356.4	8398.7	8487.2	8575.7	8679.5	8775.7	8887.3	8968.1	9033.5	9052.7
8398.7	7.5°	8433.3	8502.6	8652.6	8802.7	8968.1	9125.8	9287.4	9425.9	9537.5	9579.8
8521.8	10°	8568.0	8660.3	8871.9	9083.5	9302.8	9545.2	9753.0	9953.0	10110.8	10176.2
8668.0	12.5°	8737.3	8852.7	9129.7	9422.1	9726.0	10060.7	10330.0	10576.3	10772.5	10861.0
8871.9	15°	8956.6	9106.6	9460.6	9853.0	10299.3	10764.8	11107.2	11380.4	11599.7	11707.4
9083.5	17.5°	9195.1	9395.1	9841.4	10433.9	11072.6	11684.3	12084.4	12284.5	12511.5	12615.4
9279.7	20°	9425.9	9672.2	10310.8	11172.6	12022.9	12673.1	12996.2	13050.1	13065.5	13077.0
9464.4	22.5°	9664.5	9995.3	10899.5	12103.7	13015.5	13465.6	13511.8	13280.9	12957.8	12807.7
9645.2	25°	9926.1	10364.7	11668.9	13130.9	13869.6	13923.4	13569.5	13007.8	12396.1	12115.2
9791.4	27.5°	10180.0	10791.7	12592.3	14112.0	14485.2	14011.9	13250.2	12453.8	11715.1	11418.8
9895.3	30°	10433.9	11280.3	13611.8	14969.9	14766.0	13792.6	12746.2	11857.4	11114.9	10803.3
9987.6	32.5°	10691.7	11849.7	14785.2	15589.3	14716.0	13327.1	12119.1	11188.0	10534.0	10206.9
10068.4	35°	10984.1	12550.0	15897.1	15927.9	14381.3	12642.3	11291.9	10387.8	9818.4	9556.7
10164.6	37.5°	11365.0	13438.7	16878.2	16012.5	13796.5	11638.1	10264.6	9441.3	8971.9	8852.7
10307.0	40°	11838.2	14508.2	17628.4	15877.9	12930.8	10418.5	9141.2	8483.3	8217.9	8244.8
10499.3	42.5°	12453.8	15704.8	18155.5	15531.6	11726.6	9160.5	8156.3	7863.9	7990.9	8098.6
10787.9	45°	13254.0	16947.4	18482.5	14943.0	10364.7	8094.8	7575.4	7644.6	7740.8	7752.3
11253.4	47.5°	14277.4	18205.5	18698.0	14054.3	8975.8	7344.5	7206.0	7221.4	7202.2	7121.4
11949.8	50°	15554.7	19429.0	18890.3	12877.0	7794.7	6875.2	6690.5	6636.6	6371.2	6109.5
12877.0	52.5°	17009.0	20552.4	18971.1	11415.0	6875.2	6482.7	6182.6	5844.1	5347.8	5267.0
14042.7	55°	18624.9	21591.1	18763.4	9618.3	6101.8	5978.7	5524.7	5116.9	5063.1	4993.8
15577.8	57.5°	20556.2	22710.7	18340.2	7613.8	5309.3	5390.1	4947.7	4993.8	4897.6	4789.9
17551.5	60°	22668.4	23868.8	17597.6	5786.4	4489.8	4655.3	4797.6	4793.8	4766.8	4678.3
19632.9	62.5°	24569.0	24630.5	16135.7	4432.1	3770.4	4085.9	4474.4	4470.6	4447.5	4397.5
21806.6	65°	25700.1	24515.1	13696.5	3489.5	3177.9	3616.5	4035.8	4066.6	4070.5	4066.6
23441.7	67.5°	25500.0	23164.7	10349.3	2777.8	2689.3	3139.4	3601.1	3643.4	3674.2	3681.9
23649.5	70°	23237.8	20198.4	6748.2	2216.1	2254.5	2720.1	3189.4	3231.7	3258.7	3289.5
20521.6	72.5°	18113.2	14850.6	3862.7	1792.9	1873.6	2358.4	2781.6	2831.6	2847.0	2904.7
14281.2	75°	11038.0	8733.4	2085.2	1412.0	1538.9	2016.0	2377.6	2435.4	2462.3	2531.5
7013.7	77.5°	5247.7	3781.9	1188.8	1100.3	1238.8	1646.7	2008.3	2073.7	2000.6	2039.1
1935.2	80°	1773.6	1404.3	750.2	838.7	946.4	1285.0	1608.2	1673.6	1519.7	1512.0
642.5	82.5°	619.4	569.4	477.1	557.9	611.7	919.5	1215.8	1300.4	1131.1	1127.3
288.5	85°	242.4	230.8	265.5	303.9	365.5	565.6	800.2	842.6	696.4	561.7
84.6	87.5°	50.0	53.9	65.4	69.3	111.6	196.2	288.5	354.0	280.9	238.5
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°
8294.8
8606.4
9060.4
9583.7
10180.0
10861.0
11699.7
12611.5
13107.8
12850.0
12157.5
11453.5
10837.9
10249.3
9614.4
8937.3
8337.1
8198.6
7829.3
7182.9
6144.2
5293.9
5005.4
4770.7
4647.6
4378.2
4066.6
3689.6
3304.8
2927.8
2539.2
2008.3
1496.6
1073.4
554.0
219.3
0.0

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