

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: P851758

Luminaire Tested: **GLAN-SB9D-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 79639 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

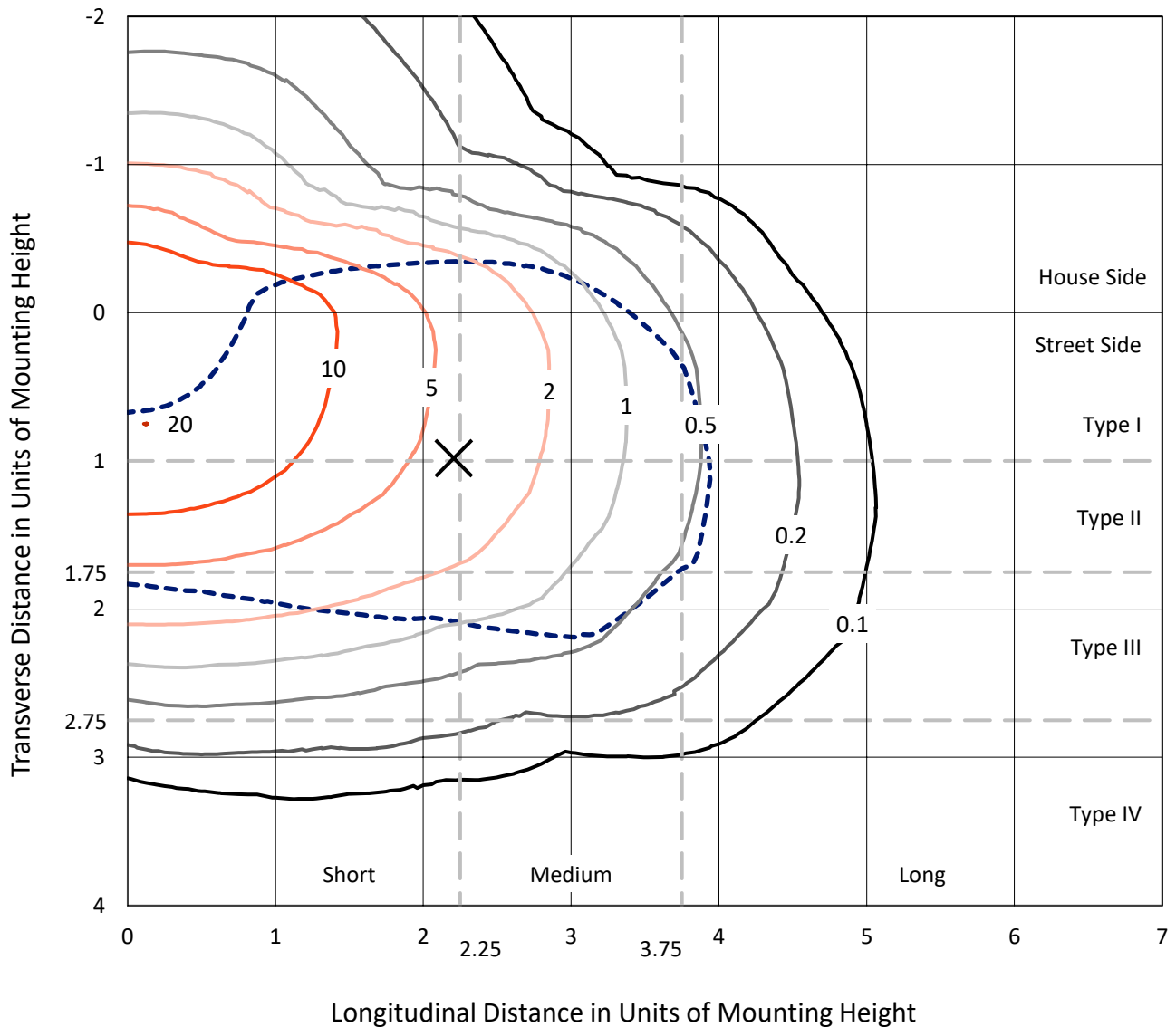
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

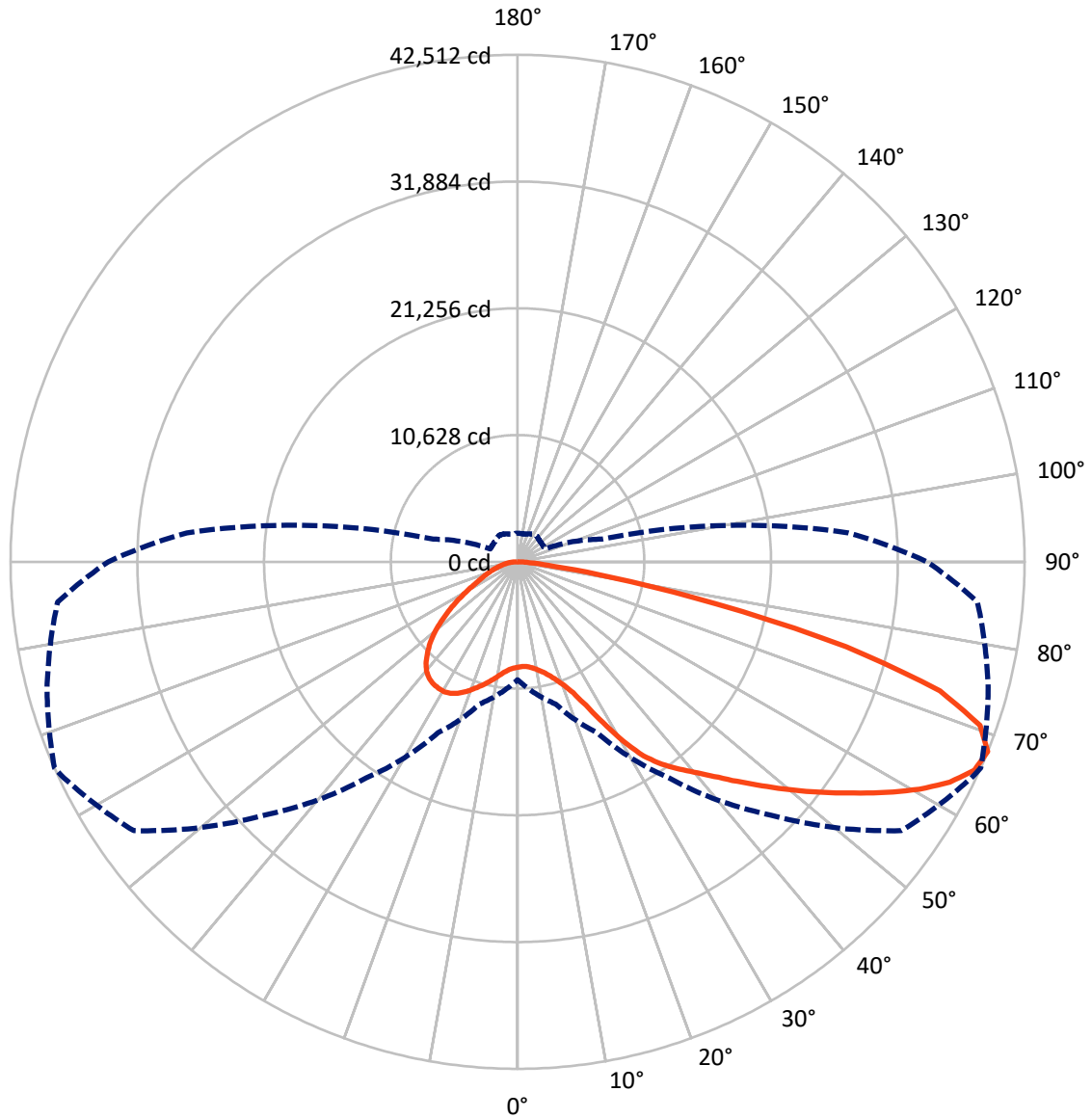
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19802.0	0.0	19802.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	59837.0	0.0	59837.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	79639.0	0.0	79639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.8	1.1
10°-20°	2893.4	3.6
20°-30°	5576.9	7.0
30°-40°	9778.3	12.3
40°-50°	14537.1	18.3
50°-60°	18427.2	23.1
60°-70°	18030.5	22.6
70°-80°	8600.7	10.8
80°-90°	919.2	1.2
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°	79639.0	100.0
0°-180°	79639.0	100.0

Coefficient of Utilization

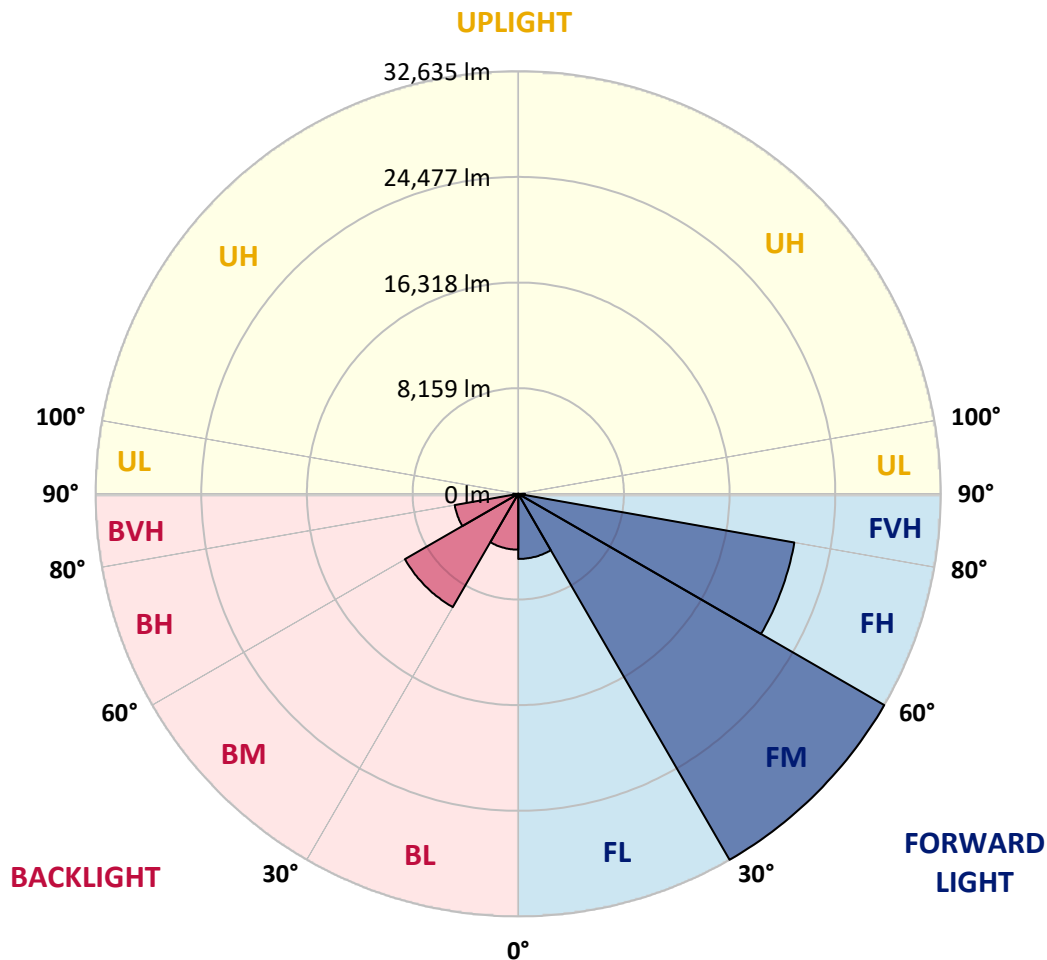


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5032.4	6.3			
FM (30°-60°)	32635.4	41.0			
FH (60°-80°)	21648.1	27.2			G5
FVH (80°-90°)	521.1	0.7			G4/750
BL (0°-30°)	4313.6	5.4	B4/5000		
BM (30°-60°)	10107.2	12.7	B5		
BH (60°-80°)	4983.2	6.3	B4/5000		G4/5000
BVH (80°-90°)	398.0	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0
2.5°	8741.0	8791.2	8778.6	8757.7	8753.5	8761.9	8774.4	8787.0	8782.8	8803.7
5°	8715.9	8766.1	8761.9	8761.9	8778.6	8812.1	8833.0	8853.9	8833.0	8858.1
7.5°	8732.6	8770.3	8787.0	8803.7	8845.6	8908.3	8958.5	9004.6	8979.5	9008.8
10°	8946.0	8975.3	8992.0	8992.0	9021.3	9092.4	9142.7	9226.3	9205.4	9251.4
12.5°	9335.1	9364.4	9364.4	9347.7	9368.6	9414.6	9431.4	9523.4	9485.8	9561.1
15°	9812.1	9870.7	9824.7	9795.4	9803.8	9849.8	9845.6	9916.7	9879.1	9941.9
17.5°	10339.4	10414.7	10339.4	10335.2	10318.4	10368.6	10372.8	10435.6	10368.6	10414.7
20°	10962.8	11067.4	11004.7	11025.6	10987.9	11008.8	11029.8	11121.8	11017.2	11050.7
22.5°	11841.5	11967.0	11900.1	11979.6	11954.5	11937.8	11933.6	12096.8	11933.6	11946.1
25°	13121.9	13272.5	13155.4	13264.2	13264.2	13318.6	13381.3	13590.5	13318.6	13239.1
27.5°	15013.2	15163.8	14933.7	15000.6	14979.7	15113.6	15046.7	15565.5	15272.6	15142.9
30°	17289.4	17557.2	17122.1	17105.3	17084.4	17297.8	17394.1	17737.2	17440.1	17310.4
32.5°	19749.8	20030.2	19511.3	19360.7	19281.2	19410.9	19331.4	19607.5	19402.5	19201.7
35°	22352.4	22628.6	22134.8	21841.9	21523.9	21252.0	20967.4	21038.6	20846.1	20540.6
37.5°	24812.8	25319.1	24796.1	24482.2	23896.4	23365.0	22570.0	22239.5	22059.5	21779.2
40°	27319.2	27607.9	27210.4	26942.6	26306.6	25473.9	24201.9	23503.1	23260.4	22988.4
42.5°	29164.4	29440.6	29227.2	29043.1	28545.2	27578.6	25934.2	25059.7	24708.2	24402.7
45°	30628.9	30834.0	30700.1	30767.0	30553.6	29616.3	27729.2	26729.2	26365.2	25992.8
47.5°	31218.9	31436.5	31649.9	32047.4	32411.4	31721.0	29658.2	28536.8	28151.8	27771.1
50°	31152.0	31373.7	31993.0	32838.2	33968.0	33737.9	31691.7	30461.6	30105.9	29670.7
52.5°	30616.4	30867.4	31662.5	33068.4	34867.6	35248.4	33763.0	32449.1	32114.4	31595.5
55°	29210.5	29361.1	30553.6	32545.3	35081.0	36302.8	35792.3	34566.3	34231.6	33507.7
57.5°	26603.7	26821.2	28557.7	31135.2	34545.4	37018.3	37574.8	36792.4	36470.2	35428.3
60°	23201.8	23549.1	25536.7	28766.9	33181.3	37014.2	39194.2	38980.8	38713.0	37319.6
62.5°	19352.3	19754.0	21666.2	25419.5	30796.3	35963.9	40206.8	40813.5	40675.4	39064.4
65°	14862.6	15138.7	17042.6	21088.8	27084.9	33708.6	40323.9	42064.6	42089.7	40390.9
67.5°	9895.8	10690.8	12343.6	15825.0	22113.9	30022.2	39294.6	42269.6	42512.3	40847.0
70°	4828.7	5874.7	7494.0	10285.0	15825.0	24369.3	36604.1	40587.5	41127.3	39516.4
72.5°	2004.3	2343.2	3226.1	5075.5	9084.1	16444.2	31198.0	36026.7	37026.7	35014.1
75°	1351.5	1464.5	1845.3	2602.6	4138.3	8109.1	22498.9	26863.1	28474.0	26444.7
77.5°	1041.9	1113.0	1343.2	1820.2	2460.4	3067.1	12042.4	16189.0	17021.7	15758.0
80°	820.1	874.5	1004.2	1326.4	1744.8	1640.2	4104.8	7335.0	7816.2	6556.8
82.5°	711.3	732.2	719.7	899.6	1159.0	958.2	1347.3	2707.2	2987.6	2167.5
85°	514.7	573.2	598.4	556.5	615.1	485.4	552.3	958.2	1054.4	941.5
87.5°	209.2	309.6	380.8	359.8	226.0	138.1	171.6	280.3	322.2	351.5
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°
8833.0	0°	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0	8833.0
8837.2	2.5°	8841.4	8870.7	8891.6	8916.7	8933.4	8958.5	9008.8	9038.0	9042.2	9063.2
8904.2	5°	8920.9	8962.7	9008.8	9075.7	9151.0	9213.8	9310.0	9377.0	9402.1	9423.0
9067.3	7.5°	9092.4	9151.0	9234.7	9351.9	9460.7	9544.3	9661.5	9741.0	9820.5	9849.8
9326.8	10°	9347.7	9431.4	9552.7	9711.7	9828.9	9937.7	10059.0	10126.0	10205.5	10238.9
9636.4	12.5°	9665.7	9753.6	9912.6	10134.3	10243.1	10318.4	10360.3	10343.5	10360.3	10389.6
10008.8	15°	10029.7	10126.0	10305.9	10544.4	10619.7	10552.8	10460.7	10377.0	10364.5	10372.8
10460.7	17.5°	10460.7	10531.8	10741.0	10941.9	10887.5	10611.3	10410.5	10276.6	10209.6	10188.7
11038.1	20°	11063.2	11063.2	11234.8	11360.3	10996.3	10527.7	10213.8	9996.2	9858.2	9799.6
11824.8	22.5°	11795.5	11728.5	11837.3	11749.5	10975.4	10293.3	9858.2	9481.6	9272.4	9188.7
12925.2	25°	12724.4	12644.9	12615.6	12071.7	10824.7	9920.9	9213.8	8757.7	8573.6	8527.6
14511.1	27.5°	14126.1	13925.3	13544.5	12247.4	10548.6	9335.1	8460.6	8038.0	7933.4	7937.6
16548.8	30°	15992.3	15590.6	14657.5	12276.7	10096.7	8506.6	7690.7	7389.4	7339.2	7360.2
18260.2	32.5°	17720.4	17339.7	15795.7	12142.8	9402.1	7694.9	7000.3	6799.5	6724.1	6749.2
19565.7	35°	19076.1	18971.5	16850.1	11954.5	8548.5	6933.4	6381.0	6209.5	6063.0	6029.5
20795.9	37.5°	20356.5	20314.7	17640.9	11690.9	7703.3	6393.6	5883.1	5657.1	5443.7	5326.6
22155.8	40°	21762.4	21720.6	18159.8	11285.0	6954.3	5924.9	5435.4	5138.3	4874.7	4661.3
23695.6	42.5°	23344.1	23097.2	18406.7	10703.4	6318.3	5527.4	5071.3	4669.7	4322.4	4125.7
25436.2	45°	25072.2	24515.7	18402.5	9962.8	5782.7	5163.4	4682.2	4113.1	3791.0	3606.9
27222.9	47.5°	26904.9	25871.4	18176.5	9142.7	5263.8	4761.7	4079.7	3644.5	3431.1	3318.1
29164.4	50°	28796.2	27139.2	17791.6	8201.2	4732.4	4305.6	3703.1	3406.0	3242.8	3138.2
31089.2	52.5°	30574.5	28289.9	17327.1	7134.2	4192.6	3862.1	3535.7	3305.6	3134.0	3016.9
32955.4	55°	32227.3	29281.6	16670.2	6042.1	3753.3	3565.0	3456.2	3263.7	3067.1	2929.0
34850.9	57.5°	33696.0	29926.0	15536.2	5017.0	3439.5	3360.0	3372.5	3192.6	2966.7	2849.5
36717.1	60°	34917.8	30398.8	13858.3	4067.1	3184.2	3159.1	3242.8	3058.7	2795.1	2661.2
38294.5	62.5°	35650.1	30390.4	11799.7	3330.7	2966.7	2975.0	3071.3	2891.3	2623.5	2498.0
39118.8	65°	35587.3	29645.6	9540.2	2849.5	2757.4	2765.8	2891.3	2707.2	2481.3	2406.0
38704.6	67.5°	34327.8	27829.7	7318.3	2535.7	2527.3	2565.0	2711.4	2581.7	2393.4	2385.0
36235.9	70°	30917.7	24059.6	5272.2	2284.6	2288.8	2343.2	2535.7	2502.2	2347.4	2364.1
30465.8	72.5°	24791.9	18343.9	3539.9	2021.0	2025.2	2113.1	2368.3	2439.4	2301.4	2523.1
21616.0	75°	16511.2	11439.8	2276.2	1740.7	1744.8	1857.8	2221.9	2318.1	2175.8	2514.8
11247.3	77.5°	7933.4	5142.5	1648.6	1464.5	1464.5	1569.1	1920.6	2075.4	1853.6	1954.1
3615.2	80°	2740.7	1933.1	1297.1	1180.0	1154.9	1226.0	1619.3	1799.2	1598.4	1472.9
1180.0	82.5°	1079.5	1004.2	1041.9	916.4	832.7	878.7	1259.5	1485.4	1175.8	1062.8
665.3	85°	619.3	652.7	736.4	606.7	481.2	539.8	924.7	1067.0	887.1	782.5
217.6	87.5°	167.4	230.1	338.9	313.8	217.6	230.1	439.3	590.0	510.5	393.3
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°
8833.0
9059.0
9418.8
9854.0
10255.7
10397.9
10402.1
10218.0
9787.0
9176.1
8535.9
7950.1
7431.3
6782.7
6054.7
5330.8
4682.2
4138.3
3598.5
3293.0
3100.6
2966.7
2874.6
2774.2
2602.6
2460.4
2401.8
2397.6
2359.9
2556.6
2535.7
1790.9
1380.8
1058.6
799.2
405.9
0.0

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