

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: P851678

Luminaire Tested: **GLAN-SB9D-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851678
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-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 91016 lumens
Efficiency: N/A
Efficacy: 138.3 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

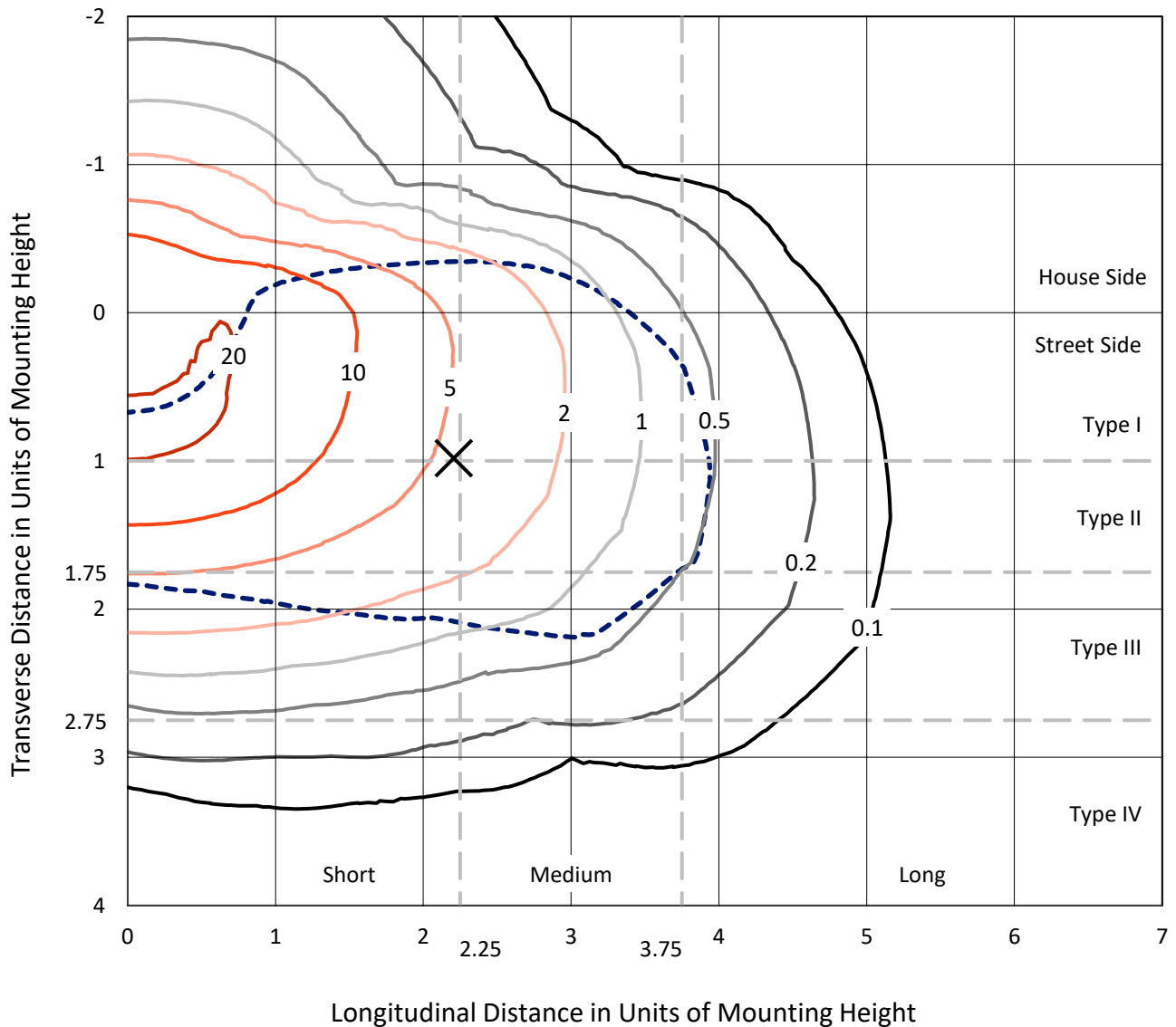
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

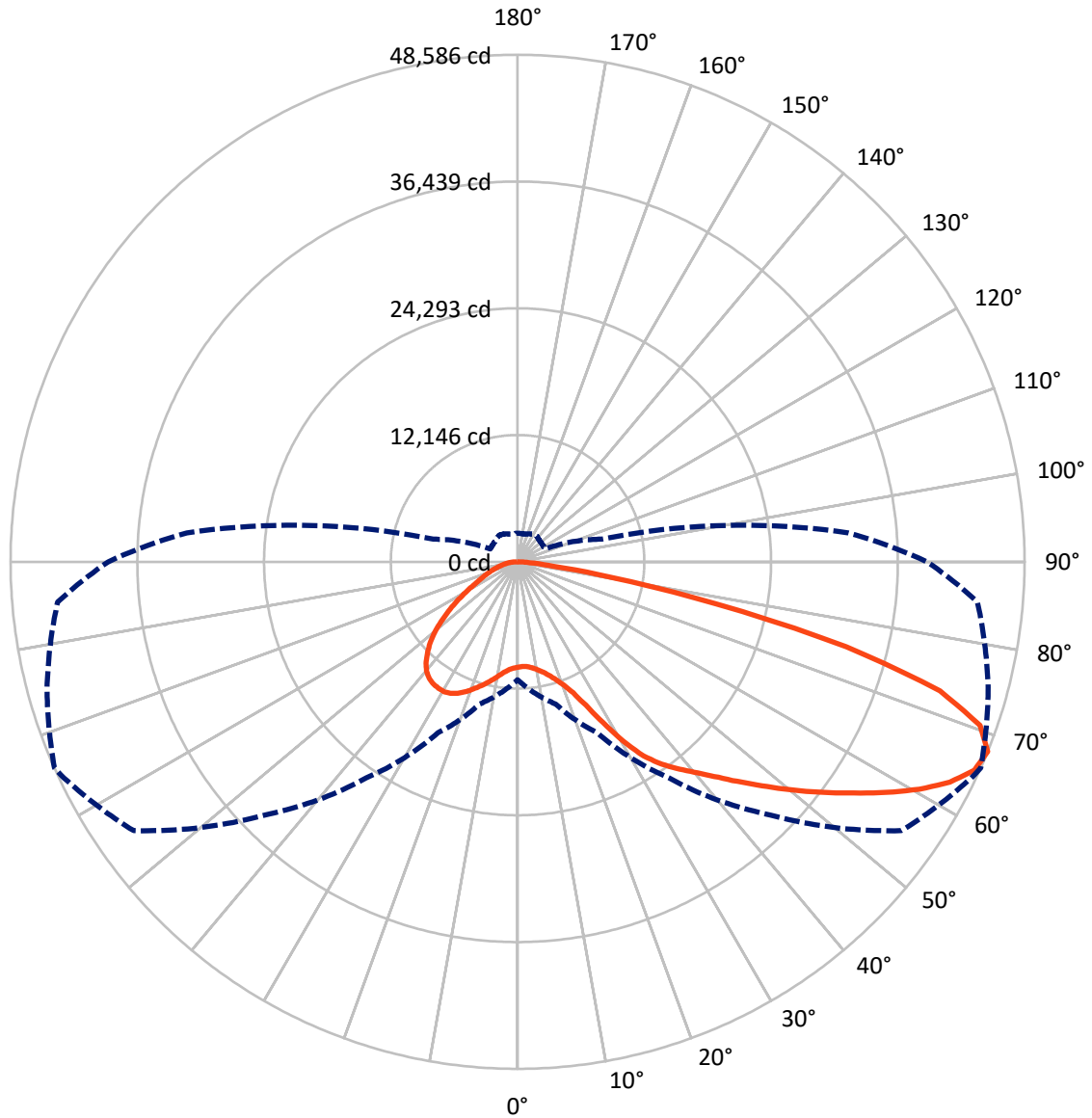
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.9 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	22630.9	0.0	22630.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	68385.1	0.0	68385.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	91016.0	0.0	91016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1000.9	1.1
10°-20°	3306.7	3.6
20°-30°	6373.5	7.0
30°-40°	11175.2	12.3
40°-50°	16613.8	18.3
50°-60°	21059.6	23.1
60°-70°	20606.3	22.6
70°-80°	9829.4	10.8
80°-90°	1050.5	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°	91016.0	100.0
0°-180°	91016.0	100.0

Coefficient of Utilization



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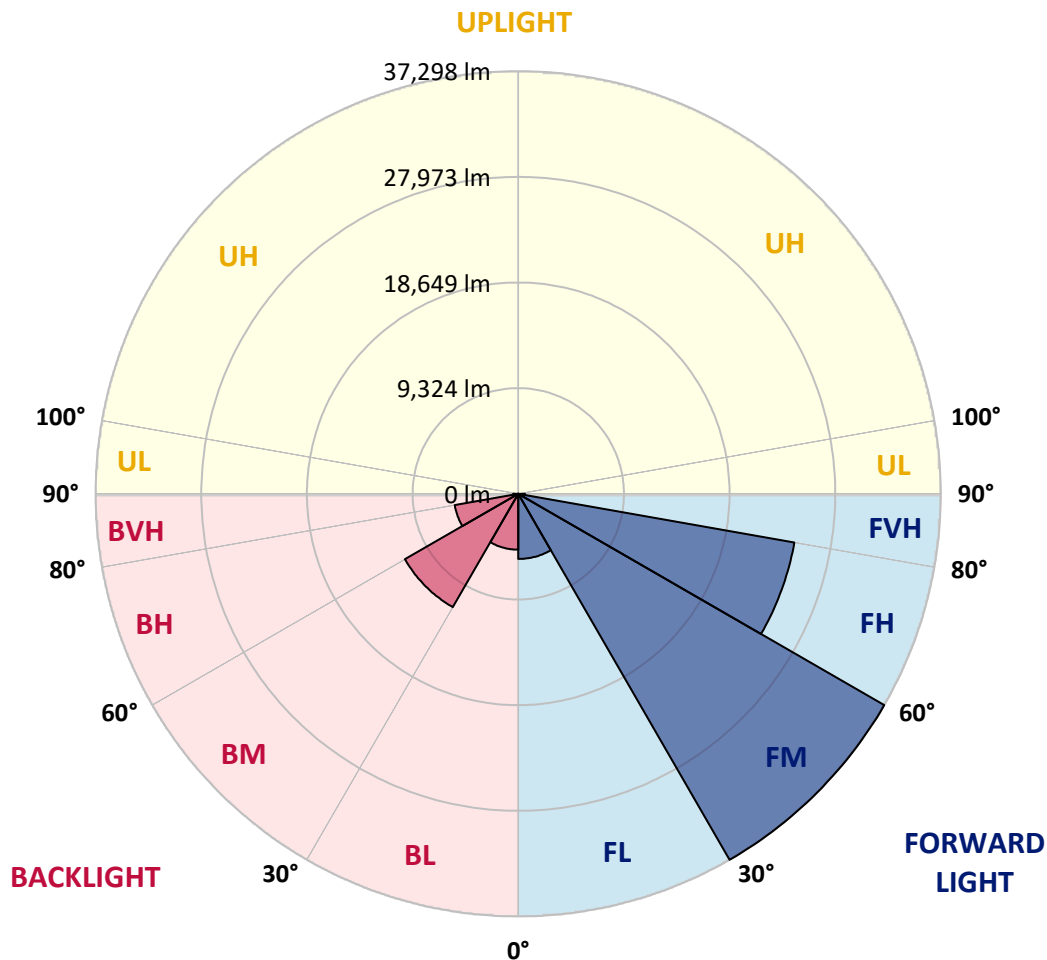
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5751.3	6.3			
FM (30°-60°)	37297.6	41.0			
FH (60°-80°)	24740.6	27.2			G5
FVH (80°-90°)	595.6	0.7			G4/750
BL (0°-30°)	4929.8	5.4	B4/5000		
BM (30°-60°)	11551.0	12.7	B5		
BH (60°-80°)	5695.1	6.3	B5		G5
BVH (80°-90°)	454.9	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°	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9
2.5°	9989.7	10047.1	10032.7	10008.8	10004.0	10013.6	10027.9	10042.3	10037.5	10061.4
5°	9961.0	10018.4	10013.6	10013.6	10032.7	10071.0	10094.9	10118.8	10094.9	10123.6
7.5°	9980.1	10023.1	10042.3	10061.4	10109.2	10181.0	10238.3	10290.9	10262.2	10295.7
10°	10224.0	10257.5	10276.6	10276.6	10310.1	10391.4	10448.7	10544.4	10520.5	10573.1
12.5°	10668.7	10702.2	10702.2	10683.1	10707.0	10759.6	10778.7	10883.9	10840.9	10927.0
15°	11213.9	11280.8	11228.2	11194.7	11204.3	11256.9	11252.1	11333.4	11290.4	11362.1
17.5°	11816.4	11902.5	11816.4	11811.6	11792.5	11849.9	11854.7	11926.4	11849.9	11902.5
20°	12528.9	12648.5	12576.8	12600.7	12557.6	12581.5	12605.4	12710.7	12591.1	12629.4
22.5°	13533.2	13676.6	13600.1	13691.0	13662.3	13643.1	13638.4	13824.9	13638.4	13652.7
25°	14996.5	15168.6	15034.7	15159.1	15159.1	15221.2	15292.9	15532.1	15221.2	15130.4
27.5°	17157.9	17330.1	17067.1	17143.6	17119.7	17272.7	17196.2	17789.2	17454.4	17306.2
30°	19759.4	20065.4	19568.1	19549.0	19525.1	19768.9	19878.9	20271.0	19931.5	19783.3
32.5°	22571.2	22891.6	22298.6	22126.5	22035.6	22183.9	22093.0	22408.6	22174.3	21944.8
35°	25545.6	25861.2	25297.0	24962.2	24598.8	24288.0	23962.8	24044.1	23824.1	23475.0
37.5°	28357.5	28936.1	28338.3	27979.7	27310.2	26702.9	25794.3	25416.5	25210.9	24890.5
40°	31221.9	31551.9	31097.6	30791.5	30064.7	29113.0	27659.3	26860.7	26583.3	26272.5
42.5°	33330.8	33646.4	33402.5	33192.1	32623.0	31518.4	29639.1	28639.6	28237.9	27888.8
45°	35004.5	35238.8	35085.8	35162.3	34918.4	33847.2	31690.6	30547.6	30131.6	29706.0
47.5°	35678.8	35927.4	36171.3	36625.6	37041.6	36252.6	33895.1	32613.5	32173.5	31738.4
50°	35602.3	35855.7	36563.4	37529.4	38820.6	38557.6	36219.1	34813.2	34406.7	33909.4
52.5°	34990.2	35277.1	36185.7	37792.4	39848.7	40283.9	38586.2	37084.7	36702.1	36109.2
55°	33383.4	33555.5	34918.4	37194.7	40092.6	41488.9	40905.5	39504.4	39121.8	38294.5
57.5°	30404.2	30652.8	32637.4	35583.1	39480.5	42306.7	42942.7	42048.4	41680.2	40489.5
60°	26516.4	26913.3	29184.8	32876.5	37921.5	42301.9	44793.3	44549.4	44243.4	42651.0
62.5°	22116.9	22576.0	24761.4	29050.9	35195.8	41101.6	45950.6	46644.0	46486.2	44645.1
65°	16985.8	17301.4	19477.2	24101.5	30954.1	38524.1	46084.5	48073.8	48102.5	46161.0
67.5°	11309.5	12218.1	14107.0	18085.7	25273.1	34311.1	44908.1	48308.1	48585.5	46682.2
70°	5518.5	6714.0	8564.6	11754.2	18085.7	27850.6	41833.2	46385.7	47002.6	45161.5
72.5°	2290.6	2677.9	3686.9	5800.6	10381.8	18793.4	35654.9	41173.3	42316.2	40016.1
75°	1544.6	1673.7	2108.9	2974.4	4729.4	9267.6	25713.0	30700.7	32541.8	30222.5
77.5°	1190.7	1272.0	1535.0	2080.2	2811.8	3505.2	13762.7	18501.7	19453.3	18009.1
80°	937.3	999.4	1147.7	1515.9	1994.1	1874.6	4691.2	8382.9	8932.8	7493.4
82.5°	812.9	836.9	822.5	1028.1	1324.6	1095.1	1539.8	3094.0	3414.4	2477.1
85°	588.2	655.1	683.8	636.0	703.0	554.7	631.2	1095.1	1205.1	1076.0
87.5°	239.1	353.9	435.2	411.3	258.2	157.8	196.1	320.4	368.2	401.7
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°
10094.9	0°	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9	10094.9
10099.7	2.5°	10104.4	10137.9	10161.8	10190.5	10209.6	10238.3	10295.7	10329.2	10334.0	10357.9
10176.2	5°	10195.3	10243.1	10295.7	10372.2	10458.3	10530.0	10640.0	10716.5	10745.2	10769.1
10362.7	7.5°	10391.4	10458.3	10554.0	10687.8	10812.2	10907.8	11041.7	11132.6	11223.4	11256.9
10659.2	10°	10683.1	10778.7	10917.4	11099.1	11233.0	11357.3	11496.0	11572.5	11663.4	11701.6
11013.0	12.5°	11046.5	11146.9	11328.6	11582.1	11706.4	11792.5	11840.3	11821.2	11840.3	11873.8
11438.6	15°	11462.5	11572.5	11778.2	12050.7	12136.8	12060.3	11955.1	11859.4	11845.1	11854.7
11955.1	17.5°	11955.1	12036.4	12275.5	12505.0	12442.9	12127.2	11897.7	11744.7	11668.2	11644.3
12615.0	20°	12643.7	12643.7	12839.8	12983.2	12567.2	12031.6	11672.9	11424.3	11266.5	11199.5
13514.0	22.5°	13480.6	13404.0	13528.4	13428.0	12543.3	11763.8	11266.5	10836.1	10597.0	10501.4
14771.7	25°	14542.2	14451.3	14417.8	13796.2	12371.1	11338.2	10530.0	10008.8	9798.4	9745.8
16584.1	27.5°	16144.2	15914.6	15479.4	13997.0	12055.5	10668.7	9669.3	9186.3	9066.7	9071.5
18913.0	30°	18276.9	17817.9	16751.5	14030.5	11539.1	9721.9	8789.4	8445.1	8387.7	8411.6
20868.8	32.5°	20251.9	19816.8	18052.2	13877.5	10745.2	8794.2	8000.3	7770.8	7684.7	7713.4
22360.8	35°	21801.3	21681.7	19257.3	13662.3	9769.7	7923.8	7292.6	7096.5	6929.2	6890.9
23766.7	37.5°	23264.6	23216.8	20161.1	13361.0	8803.7	7307.0	6723.5	6465.3	6221.4	6087.5
25320.9	40°	24871.4	24823.5	20754.0	12897.2	7947.7	6771.4	6211.9	5872.3	5571.1	5327.2
27080.7	42.5°	26679.0	26396.8	21036.2	12232.4	7220.9	6317.1	5795.8	5336.8	4939.8	4715.1
29070.0	45°	28654.0	28017.9	21031.4	11386.0	6608.8	5901.0	5351.1	4700.7	4332.5	4122.1
31111.9	47.5°	30748.5	29567.3	20773.2	10448.7	6015.8	5442.0	4662.5	4165.2	3921.3	3792.2
33330.8	50°	32910.0	31016.3	20333.2	9372.8	5408.5	4920.7	4232.1	3892.6	3706.1	3586.5
35530.5	52.5°	34942.3	32331.3	19802.4	8153.4	4791.6	4413.8	4040.8	3777.8	3581.7	3447.8
37663.3	55°	36831.2	33464.7	19051.6	6905.3	4289.5	4074.3	3950.0	3730.0	3505.2	3347.4
39829.6	57.5°	38509.7	34201.1	17755.7	5733.7	3930.8	3840.0	3854.3	3648.7	3390.5	3256.6
41962.4	60°	39906.1	34741.5	15838.1	4648.1	3639.1	3610.4	3706.1	3495.7	3194.4	3041.4
43765.2	62.5°	40742.9	34731.9	13485.3	3806.5	3390.5	3400.0	3510.0	3304.4	2998.3	2854.9
44707.3	65°	40671.2	33880.7	10903.0	3256.6	3151.4	3160.9	3304.4	3094.0	2835.7	2749.7
44233.8	67.5°	39231.8	31805.3	8363.8	2897.9	2888.3	2931.4	3098.8	2950.5	2735.3	2725.8
41412.4	70°	35334.5	27496.7	6025.4	2611.0	2615.8	2677.9	2897.9	2859.7	2682.7	2701.9
34818.0	72.5°	28333.6	20964.4	4045.6	2309.7	2314.5	2414.9	2706.6	2787.9	2630.1	2883.6
24704.0	75°	18869.9	13074.1	2601.4	1989.3	1994.1	2123.2	2539.3	2649.2	2486.7	2874.0
12854.1	77.5°	9066.7	5877.1	1884.1	1673.7	1673.7	1793.3	2195.0	2371.9	2118.4	2233.2
4131.7	80°	3132.2	2209.3	1482.4	1348.5	1319.8	1401.1	1850.6	2056.3	1826.7	1683.3
1348.5	82.5°	1233.8	1147.7	1190.7	1047.3	951.6	1004.2	1439.4	1697.6	1343.8	1214.6
760.3	85°	707.7	746.0	841.6	693.4	549.9	616.9	1056.8	1219.4	1013.8	894.2
248.7	87.5°	191.3	263.0	387.3	358.7	248.7	263.0	502.1	674.3	583.4	449.5
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°
10094.9
10353.1
10764.4
11261.7
11720.8
11883.4
11888.1
11677.7
11185.2
10487.0
9755.4
9085.9
8492.9
7751.7
6919.6
6092.3
5351.1
4729.4
4112.6
3763.5
3543.5
3390.5
3285.3
3170.5
2974.4
2811.8
2744.9
2740.1
2697.1
2921.8
2897.9
2046.7
1578.1
1209.9
913.4
463.9
0.0

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