

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: P851508

Luminaire Tested: **GLAN-SB9C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851508
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-SB9C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66984 lumens
Efficiency: N/A
Efficacy: 148.9 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

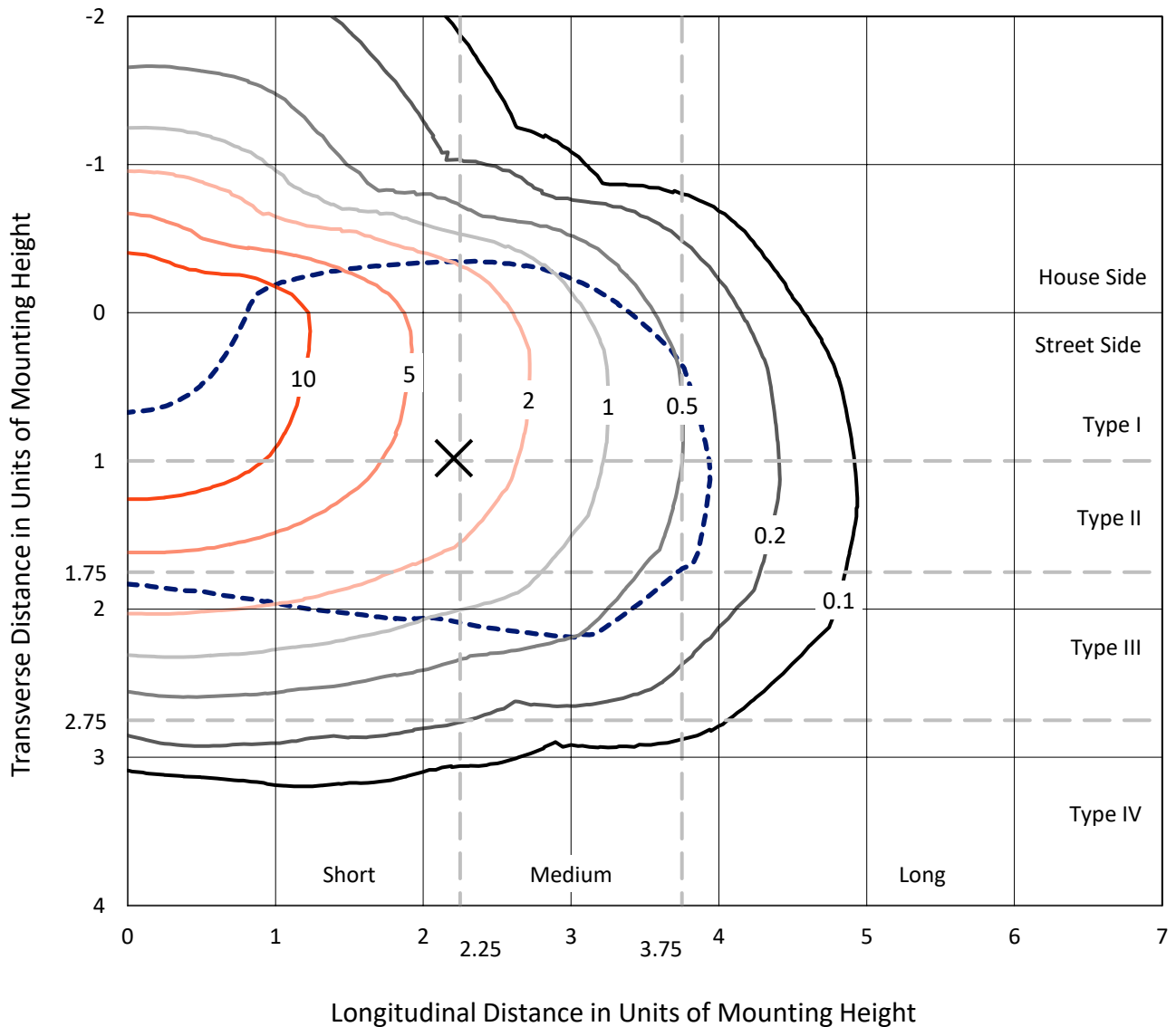
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

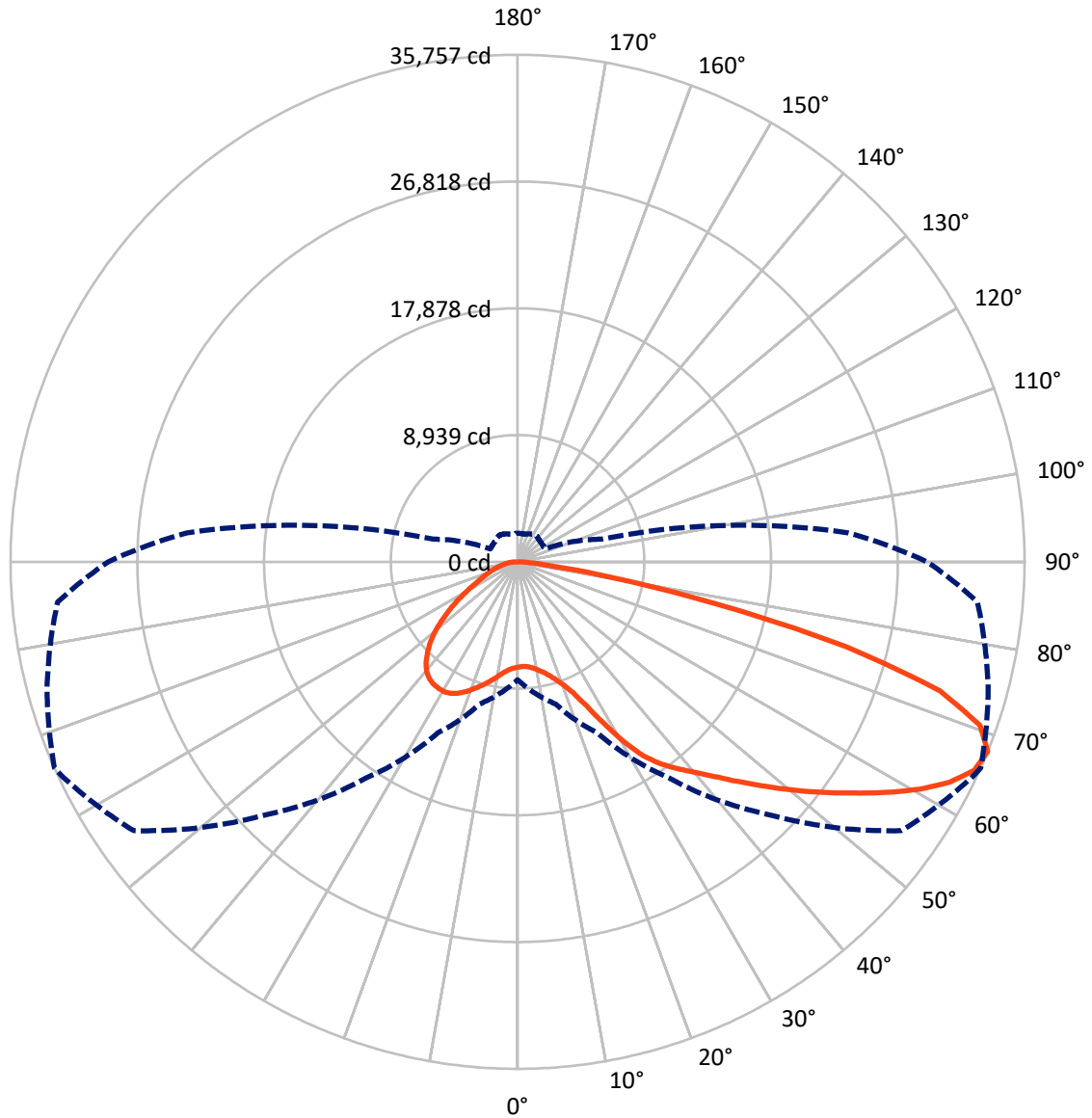
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 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	16655.4	0.0	16655.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	50328.6	0.0	50328.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	66984.0	0.0	66984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.6	1.1
10°-20°	2433.6	3.6
20°-30°	4690.7	7.0
30°-40°	8224.5	12.3
40°-50°	12227.1	18.3
50°-60°	15499.0	23.1
60°-70°	15165.4	22.6
70°-80°	7234.1	10.8
80°-90°	773.1	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°	66984.0	100.0
0°-180°	66984.0	100.0

Coefficient of Utilization

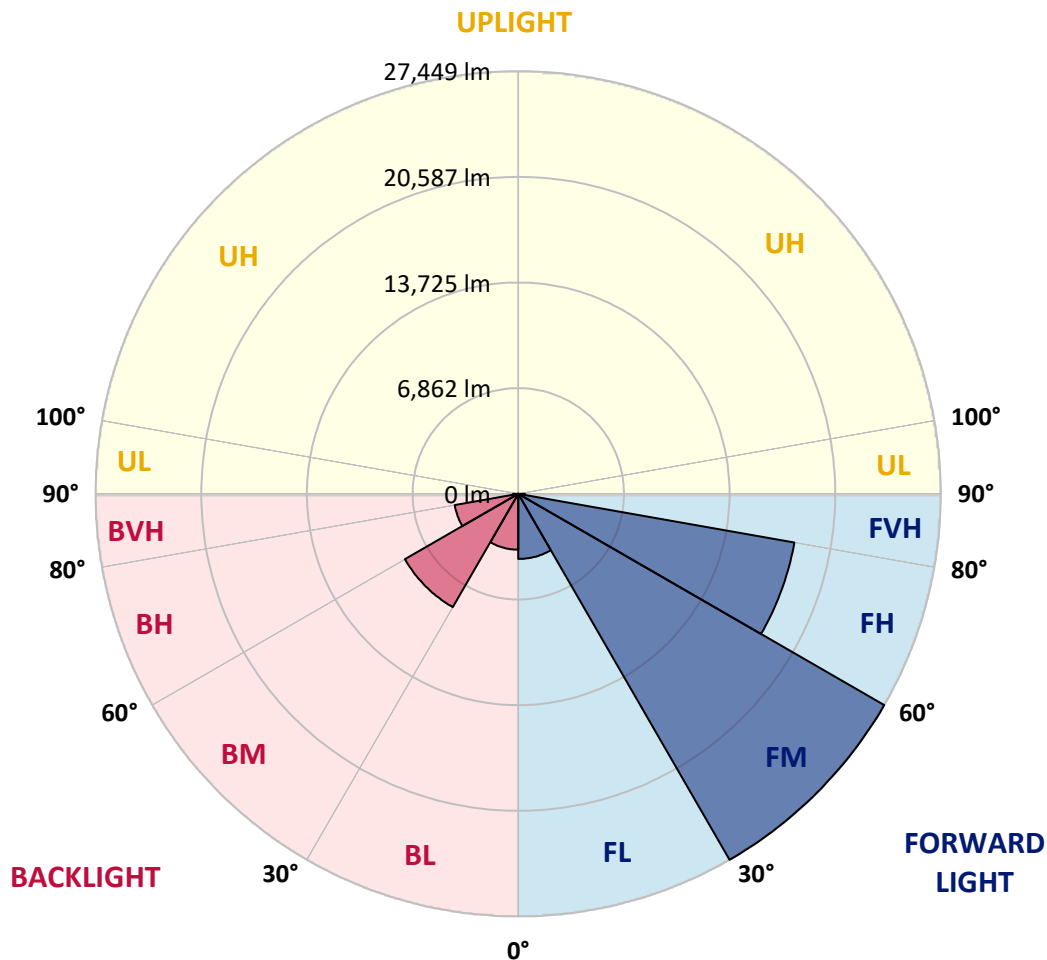


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4232.7	6.3			
FM	(30°-60°)	27449.5	41.0			
FH	(60°-80°)	18208.1	27.2			G5
FVH	(80°-90°)	438.3	0.7			G3/500
BL	(0°-30°)	3628.1	5.4	B4/5000		
BM	(30°-60°)	8501.1	12.7	B5		
BH	(60°-80°)	4191.4	6.3	B4/5000		G4/5000
BVH	(80°-90°)	334.8	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°	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4
2.5°	7352.0	7394.2	7383.7	7366.1	7362.5	7369.6	7380.1	7390.7	7387.2	7404.8
5°	7330.9	7373.1	7369.6	7369.6	7383.7	7411.8	7429.4	7447.0	7429.4	7450.5
7.5°	7344.9	7376.6	7390.7	7404.8	7440.0	7492.8	7535.0	7573.7	7552.6	7577.2
10°	7524.4	7549.1	7563.1	7563.1	7587.8	7647.6	7689.8	7760.2	7742.6	7781.3
12.5°	7851.7	7876.4	7876.4	7862.3	7879.9	7918.6	7932.7	8010.1	7978.4	8041.8
15°	8252.9	8302.2	8263.5	8238.9	8245.9	8284.6	8281.1	8340.9	8309.3	8362.0
17.5°	8696.4	8759.7	8696.4	8692.9	8678.8	8721.0	8724.5	8777.3	8721.0	8759.7
20°	9220.8	9308.8	9256.0	9273.6	9241.9	9259.5	9277.1	9354.5	9266.5	9294.7
22.5°	9959.8	10065.4	10009.1	10076.0	10054.9	10040.8	10037.3	10174.5	10037.3	10047.8
25°	11036.8	11163.5	11064.9	11156.4	11156.4	11202.2	11255.0	11430.9	11202.2	11135.3
27.5°	12627.5	12754.2	12560.7	12617.0	12599.4	12712.0	12655.7	13092.1	12845.7	12736.6
30°	14542.1	14767.3	14401.3	14387.2	14369.6	14549.1	14630.1	14918.7	14668.8	14559.7
32.5°	16611.5	16847.3	16410.9	16284.2	16217.3	16326.4	16259.5	16491.8	16319.4	16150.4
35°	18800.5	19032.8	18617.5	18371.2	18103.7	17874.9	17635.6	17695.4	17533.6	17276.6
37.5°	20869.9	21295.8	20855.8	20591.9	20099.2	19652.2	18983.5	18705.5	18554.2	18318.4
40°	22978.0	23220.9	22886.5	22661.3	22126.3	21426.0	20356.1	19768.4	19564.2	19335.5
42.5°	24530.1	24762.4	24582.9	24428.0	24009.2	23196.2	21813.1	21077.6	20781.9	20525.0
45°	25761.9	25934.3	25821.7	25878.0	25698.5	24910.2	23322.9	22481.8	22175.6	21862.4
47.5°	26258.1	26441.1	26620.6	26954.9	27261.1	26680.4	24945.4	24002.2	23678.4	23358.1
50°	26201.8	26388.3	26909.2	27620.1	28570.3	28376.8	26655.8	25621.1	25321.9	24955.9
52.5°	25751.3	25962.5	26631.1	27813.7	29327.0	29647.3	28397.9	27292.8	27011.2	26574.8
55°	24568.8	24695.5	25698.5	27373.7	29506.5	30534.1	30104.8	29073.6	28792.0	28183.2
57.5°	22376.2	22559.2	24019.8	26187.7	29056.0	31136.0	31604.0	30945.9	30674.9	29798.6
60°	19515.0	19807.1	21478.8	24195.7	27908.7	31132.4	32966.0	32786.5	32561.3	31389.3
62.5°	16277.1	16615.0	18223.3	21380.2	25902.6	30249.1	33817.7	34328.0	34211.9	32856.9
65°	12500.8	12733.1	14334.4	17737.7	22780.9	28352.1	33916.3	35380.3	35401.4	33972.6
67.5°	8323.3	8992.0	10382.2	13310.3	18599.9	25251.6	33050.5	35552.8	35756.9	34356.2
70°	4061.4	4941.2	6303.2	8650.6	13310.3	20496.9	30787.5	34138.0	34592.0	33237.0
72.5°	1685.8	1970.9	2713.4	4269.0	7640.6	13831.2	26240.5	30301.9	31143.0	29450.2
75°	1136.8	1231.8	1552.0	2189.1	3480.7	6820.6	18923.7	22594.4	23949.4	22242.5
77.5°	876.3	936.2	1129.7	1530.9	2069.4	2579.7	10128.8	13616.5	14316.8	13254.0
80°	689.8	735.6	844.7	1115.6	1467.6	1379.6	3452.5	6169.5	6574.2	5514.9
82.5°	598.3	615.9	605.3	756.7	974.9	805.9	1133.2	2277.0	2512.8	1823.0
85°	432.9	482.2	503.3	468.1	517.3	408.2	464.6	805.9	886.9	791.9
87.5°	176.0	260.4	320.3	302.7	190.0	116.1	144.3	235.8	271.0	295.6
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°
7429.4	0°	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4	7429.4
7432.9	2.5°	7436.4	7461.1	7478.7	7499.8	7513.9	7535.0	7577.2	7601.9	7605.4	7623.0
7489.2	5°	7503.3	7538.5	7577.2	7633.5	7696.9	7749.7	7830.6	7886.9	7908.0	7925.6
7626.5	7.5°	7647.6	7696.9	7767.3	7865.8	7957.3	8027.7	8126.2	8193.1	8260.0	8284.6
7844.7	10°	7862.3	7932.7	8034.7	8168.5	8267.0	8358.5	8460.6	8516.9	8583.8	8611.9
8105.1	12.5°	8129.8	8203.7	8337.4	8523.9	8615.4	8678.8	8714.0	8699.9	8714.0	8738.6
8418.4	15°	8436.0	8516.9	8668.2	8868.8	8932.2	8875.9	8798.4	8728.1	8717.5	8724.5
8798.4	17.5°	8798.4	8858.3	9034.2	9203.2	9157.4	8925.1	8756.2	8643.6	8587.3	8569.7
9284.1	20°	9305.2	9305.2	9449.5	9555.1	9248.9	8854.8	8590.8	8407.8	8291.7	8242.4
9945.8	22.5°	9921.1	9864.8	9956.3	9882.4	9231.3	8657.7	8291.7	7974.9	7798.9	7728.6
10871.4	25°	10702.4	10635.6	10610.9	10153.4	9104.6	8344.4	7749.7	7366.1	7211.2	7172.5
12205.2	27.5°	11881.4	11712.5	11392.2	10301.2	8872.4	7851.7	7116.2	6760.7	6672.7	6676.3
13919.1	30°	13451.1	13113.2	12328.4	10325.9	8492.3	7154.9	6468.6	6215.2	6173.0	6190.6
15358.6	32.5°	14904.6	14584.3	13285.7	10213.2	7908.0	6472.1	5887.9	5719.0	5655.6	5676.8
16456.6	35°	16044.9	15956.9	14172.5	10054.9	7190.1	5831.6	5367.1	5222.8	5099.6	5071.4
17491.3	37.5°	17121.8	17086.6	14837.7	9833.1	6479.2	5377.6	4948.2	4758.2	4578.7	4480.2
18635.1	40°	18304.3	18269.1	15274.1	9491.8	5849.2	4983.4	4571.7	4321.8	4100.1	3920.6
19930.2	42.5°	19634.6	19427.0	15481.8	9002.6	5314.3	4649.1	4265.5	3927.6	3635.5	3470.1
21394.3	45°	21088.1	20620.0	15478.2	8379.6	4863.8	4342.9	3938.2	3459.6	3188.6	3033.7
22897.1	47.5°	22629.6	21760.3	15288.2	7689.8	4427.4	4005.1	3431.4	3065.4	2885.9	2790.9
24530.1	50°	24220.4	22826.7	14964.4	6898.0	3980.4	3621.4	3114.7	2864.8	2727.5	2639.5
26149.0	52.5°	25716.1	23794.5	14573.8	6000.5	3526.4	3248.4	2973.9	2780.3	2636.0	2537.5
27718.6	55°	27106.3	24628.6	14021.2	5082.0	3156.9	2998.5	2907.0	2745.1	2579.7	2463.6
29312.9	57.5°	28341.6	25170.6	13067.5	4219.7	2892.9	2826.1	2836.6	2685.3	2495.2	2396.7
30882.6	60°	29369.2	25568.3	11656.2	3420.8	2678.2	2657.1	2727.5	2572.7	2350.9	2238.3
32209.4	62.5°	29985.1	25561.3	9924.7	2801.4	2495.2	2502.3	2583.2	2431.9	2206.7	2101.1
32902.7	65°	29932.3	24934.8	8024.2	2396.7	2319.3	2326.3	2431.9	2277.0	2087.0	2023.6
32554.3	67.5°	28873.0	23407.4	6155.4	2132.7	2125.7	2157.4	2280.6	2171.5	2013.1	2006.0
30477.8	70°	26004.7	20236.4	4434.4	1921.6	1925.1	1970.9	2132.7	2104.6	1974.4	1988.4
25624.6	72.5°	20852.3	15429.0	2977.4	1699.9	1703.4	1777.3	1992.0	2051.8	1935.7	2122.2
18181.1	75°	13887.5	9622.0	1914.5	1464.1	1467.6	1562.6	1868.8	1949.7	1830.1	2115.1
9460.1	77.5°	6672.7	4325.3	1386.6	1231.8	1231.8	1319.8	1615.4	1745.6	1559.1	1643.6
3040.7	80°	2305.2	1626.0	1091.0	992.5	971.3	1031.2	1362.0	1513.3	1344.4	1238.8
992.5	82.5°	908.0	844.7	876.3	770.7	700.4	739.1	1059.3	1249.4	988.9	893.9
559.6	85°	520.9	549.0	619.4	510.3	404.7	454.0	777.8	897.4	746.1	658.1
183.0	87.5°	140.8	193.6	285.1	264.0	183.0	193.6	369.5	496.2	429.4	330.8
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°
7429.4
7619.5
7922.1
8288.1
8626.0
8745.7
8749.2
8594.3
8231.8
7718.0
7179.5
6686.8
6250.4
5704.9
5092.5
4483.7
3938.2
3480.7
3026.7
2769.8
2607.9
2495.2
2417.8
2333.3
2189.1
2069.4
2020.1
2016.6
1984.9
2150.3
2132.7
1506.3
1161.4
890.4
672.2
341.4
0.0

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