

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: P851718

Luminaire Tested: **GLAN-SB9D-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851718
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-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73950 lumens
Efficiency: N/A
Efficacy: 112.4 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

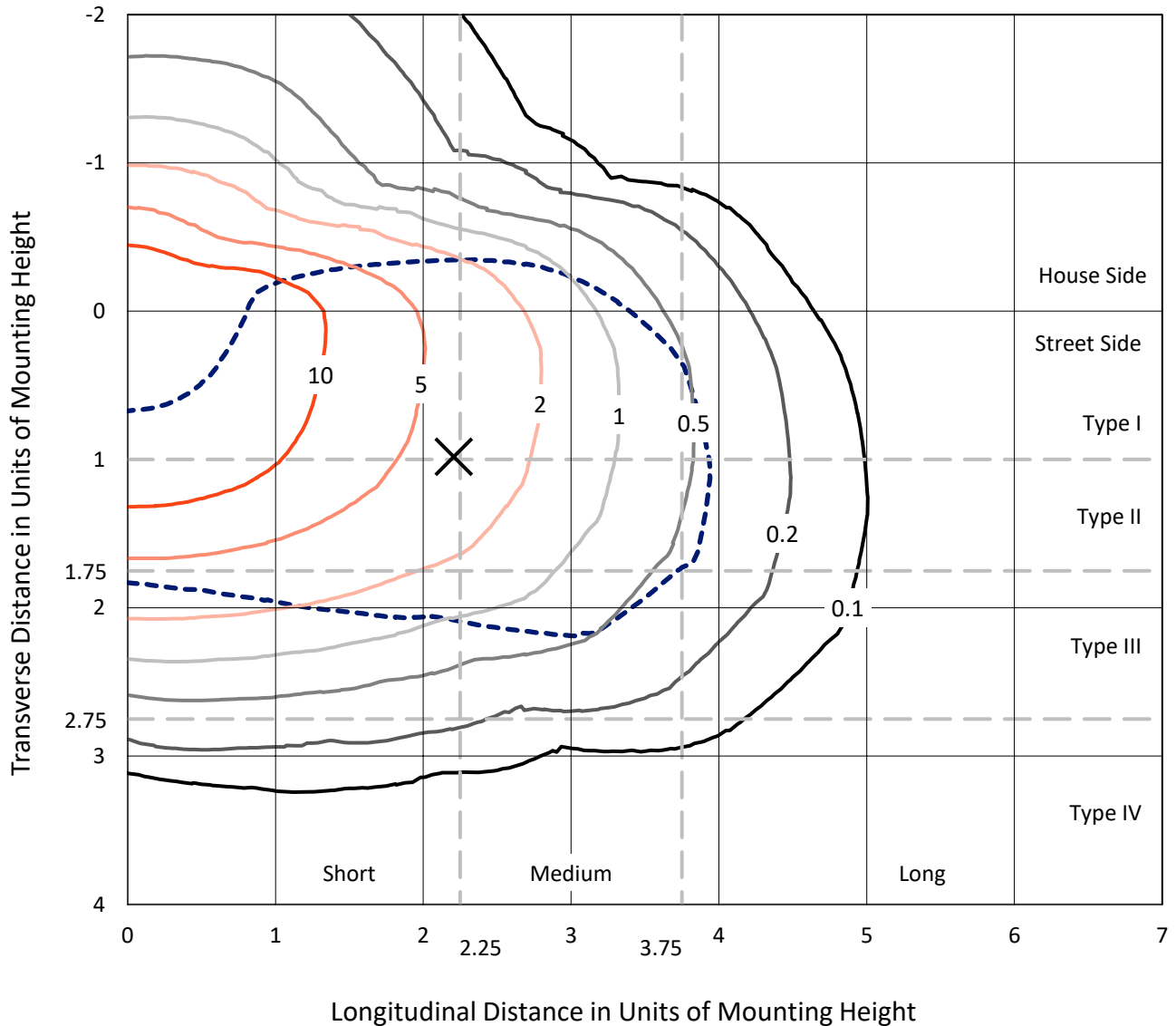
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

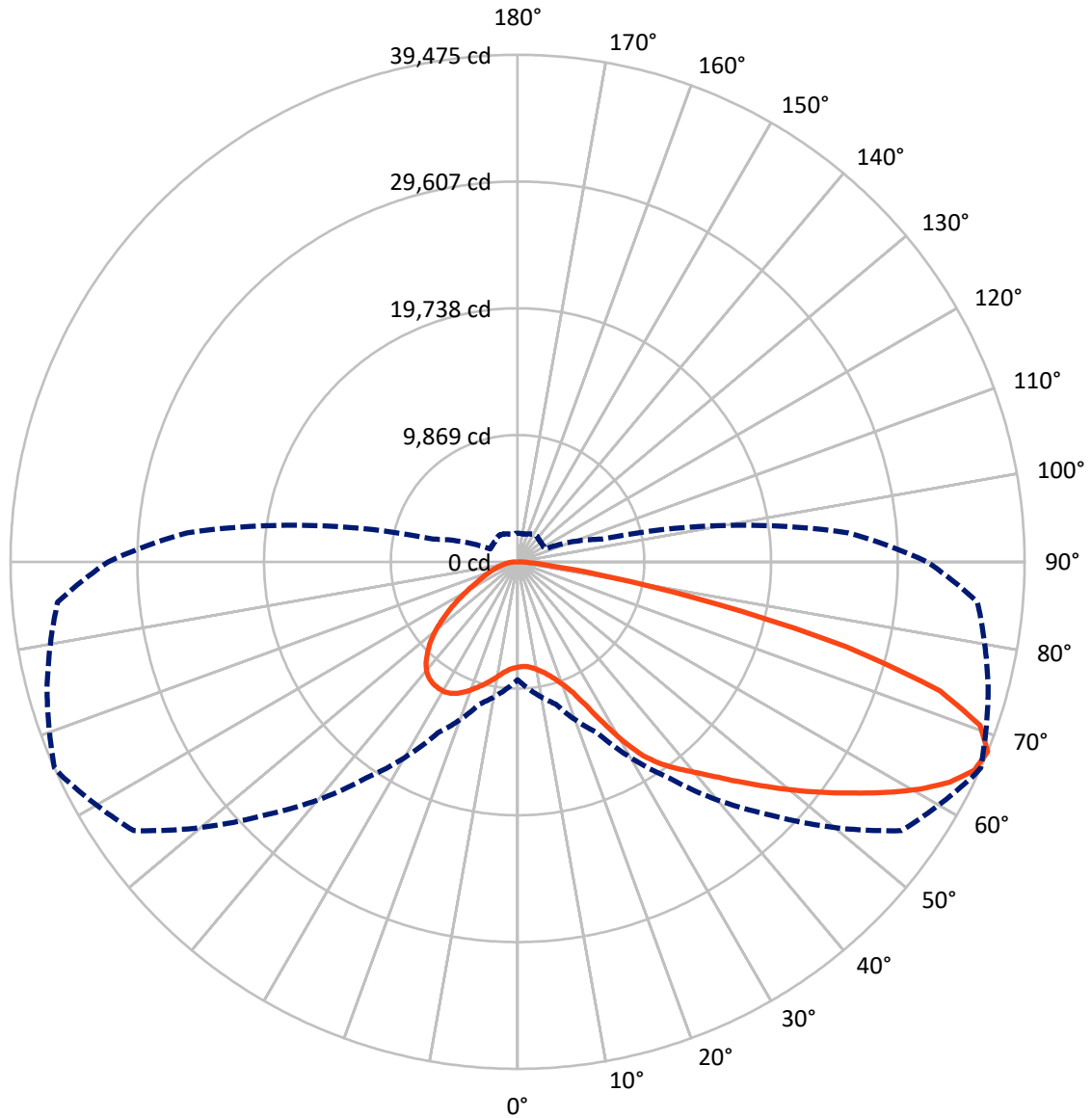
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 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	18387.4	0.0	18387.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	55562.5	0.0	55562.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	73950.0	0.0	73950.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.2	1.1
10°-20°	2686.7	3.6
20°-30°	5178.5	7.0
30°-40°	9079.8	12.3
40°-50°	13498.6	18.3
50°-60°	17110.8	23.1
60°-70°	16742.5	22.6
70°-80°	7986.3	10.8
80°-90°	853.5	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°	73950.0	100.0
0°-180°	73950.0	100.0

Coefficient of Utilization

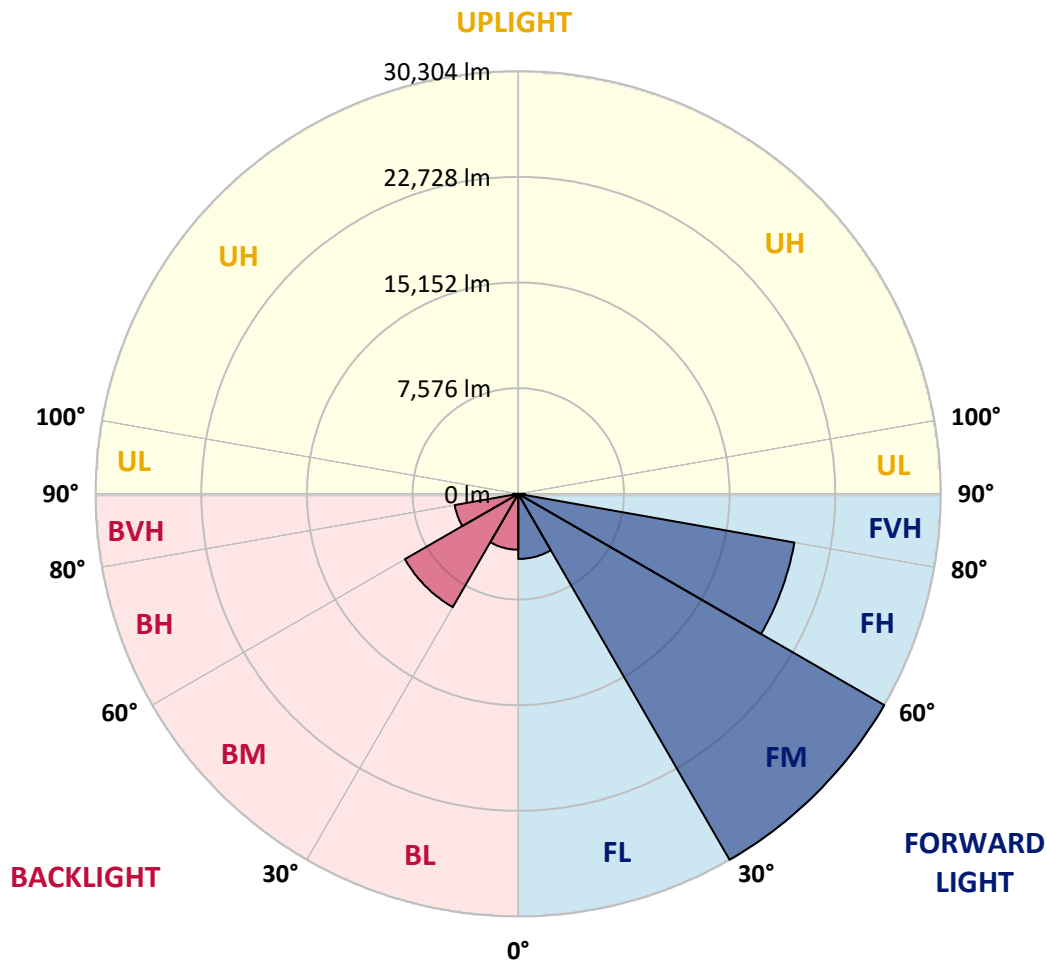


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4672.9	6.3			
FM (30°-60°)	30304.1	41.0			
FH (60°-80°)	20101.6	27.2			G5
FVH (80°-90°)	483.9	0.7			G3/500
BL (0°-30°)	4005.5	5.4	B4/5000		
BM (30°-60°)	9385.2	12.7	B5		
BH (60°-80°)	4627.2	6.3	B4/5000		G4/5000
BVH (80°-90°)	369.6	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°	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0
2.5°	8116.6	8163.2	8151.5	8132.1	8128.2	8136.0	8147.6	8159.3	8155.4	8174.8
5°	8093.2	8139.9	8136.0	8136.0	8151.5	8182.6	8202.0	8221.5	8202.0	8225.3
7.5°	8108.8	8143.8	8159.3	8174.8	8213.7	8272.0	8318.6	8361.3	8338.0	8365.2
10°	8306.9	8334.1	8349.7	8349.7	8376.9	8442.9	8489.6	8567.3	8547.8	8590.6
12.5°	8668.3	8695.5	8695.5	8679.9	8699.4	8742.1	8757.6	8843.1	8808.2	8878.1
15°	9111.2	9165.6	9122.9	9095.7	9103.4	9146.2	9142.3	9208.3	9173.4	9231.7
17.5°	9600.8	9670.7	9600.8	9596.9	9581.3	9628.0	9631.9	9690.1	9628.0	9670.7
20°	10179.7	10276.8	10218.5	10238.0	10203.0	10222.4	10241.9	10327.3	10230.2	10261.3
22.5°	10995.6	11112.2	11050.0	11123.8	11100.5	11085.0	11081.1	11232.6	11081.1	11092.8
25°	12184.5	12324.4	12215.6	12316.6	12316.6	12367.2	12425.4	12619.7	12367.2	12293.3
27.5°	13940.7	14080.6	13866.9	13929.1	13909.7	14034.0	13971.8	14453.6	14181.6	14061.2
30°	16054.4	16303.0	15899.0	15883.4	15864.0	16062.2	16151.5	16470.1	16194.3	16073.8
32.5°	18339.0	18599.3	18117.5	17977.6	17903.8	18024.3	17950.4	18206.9	18016.5	17830.0
35°	20755.7	21012.1	20553.6	20281.7	19986.4	19733.8	19469.6	19535.7	19357.0	19073.3
37.5°	23040.3	23510.4	23024.7	22733.3	22189.4	21695.9	20957.7	20650.8	20483.7	20223.4
40°	25367.6	25635.7	25266.6	25017.9	24427.4	23654.2	22473.0	21824.2	21598.8	21346.3
42.5°	27081.1	27337.5	27139.4	26968.4	26506.0	25608.5	24081.6	23269.5	22943.2	22659.5
45°	28441.0	28631.3	28507.0	28569.2	28371.0	27500.7	25748.4	24819.8	24481.8	24136.0
47.5°	28988.8	29190.8	29389.0	29758.1	30096.1	29455.0	27539.6	26498.3	26140.8	25787.3
50°	28926.6	29132.6	29707.6	30492.4	31541.5	31327.8	29427.9	28285.5	27955.3	27551.2
52.5°	28429.3	28662.4	29400.7	30706.1	32376.9	32730.4	31351.1	30131.1	29820.3	29338.5
55°	27123.8	27263.7	28371.0	30220.5	32575.0	33709.5	33235.5	32097.1	31786.3	31114.1
57.5°	24703.2	24905.3	26517.7	28911.1	32077.7	34373.9	34890.7	34164.1	33865.0	32897.5
60°	21544.4	21866.9	23712.5	26712.0	30811.0	34370.1	36394.3	36196.2	35947.5	34653.7
62.5°	17969.9	18342.9	20118.5	23603.7	28596.4	33394.8	37334.6	37898.0	37769.8	36273.9
65°	13800.9	14057.3	15825.1	19582.3	25150.0	31300.6	37443.4	39059.7	39083.0	37505.6
67.5°	9188.9	9927.1	11461.9	14694.5	20534.2	27877.6	36487.6	39250.1	39475.4	37929.1
70°	4483.7	5455.1	6958.7	9550.3	14694.5	22628.4	33989.3	37688.2	38189.4	36693.5
72.5°	1861.1	2175.8	2995.6	4713.0	8435.2	15269.5	28969.4	33453.1	34381.7	32512.8
75°	1255.0	1359.9	1713.5	2416.7	3842.6	7529.9	20891.7	24944.1	26440.0	24555.6
77.5°	967.5	1033.5	1247.2	1690.1	2284.6	2848.0	11182.1	15032.5	15805.7	14632.3
80°	761.5	812.0	932.5	1231.7	1620.2	1523.1	3811.6	6811.1	7257.9	6088.4
82.5°	660.5	679.9	668.3	835.4	1076.2	889.8	1251.1	2513.8	2774.2	2012.6
85°	477.9	532.3	555.6	516.8	571.2	450.7	512.9	889.8	979.1	874.2
87.5°	194.3	287.5	353.6	334.1	209.8	128.2	159.3	260.3	299.2	326.4
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°
8202.0	0°	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0	8202.0
8205.9	2.5°	8209.8	8237.0	8256.4	8279.7	8295.3	8318.6	8365.2	8392.4	8396.3	8415.7
8268.1	5°	8283.6	8322.5	8365.2	8427.4	8497.3	8555.6	8645.0	8707.1	8730.4	8749.9
8419.6	7.5°	8442.9	8497.3	8575.0	8683.8	8784.8	8862.5	8971.3	9045.2	9119.0	9146.2
8660.5	10°	8679.9	8757.6	8870.3	9018.0	9126.8	9227.8	9340.4	9402.6	9476.4	9507.5
8948.0	12.5°	8975.2	9056.8	9204.5	9410.4	9511.4	9581.3	9620.2	9604.7	9620.2	9647.4
9293.8	15°	9313.3	9402.6	9569.7	9791.2	9861.1	9798.9	9713.4	9635.7	9624.1	9631.9
9713.4	17.5°	9713.4	9779.5	9973.8	10160.3	10109.8	9853.3	9666.8	9542.5	9480.3	9460.9
10249.6	20°	10272.9	10272.9	10432.2	10548.8	10210.8	9775.6	9484.2	9282.2	9153.9	9099.6
10980.1	22.5°	10952.9	10890.7	10991.7	10910.1	10191.3	9558.0	9153.9	8804.3	8610.0	8532.3
12001.9	25°	11815.4	11741.6	11714.4	11209.3	10051.5	9212.2	8555.6	8132.1	7961.1	7918.4
13474.5	27.5°	13117.0	12930.5	12577.0	11372.5	9795.0	8668.3	7856.2	7463.8	7366.7	7370.6
15366.7	30°	14849.9	14476.9	13610.5	11399.7	9375.4	7899.0	7141.3	6861.6	6815.0	6834.4
16955.8	32.5°	16454.6	16101.0	14667.3	11275.4	8730.4	7145.2	6500.2	6313.7	6243.8	6267.1
18168.0	35°	17713.4	17616.3	15646.4	11100.5	7937.8	6438.1	5925.2	5765.9	5629.9	5598.8
19310.3	37.5°	18902.4	18863.5	16380.8	10855.7	7153.0	5936.9	5462.8	5253.0	5054.9	4946.1
20573.1	40°	20207.8	20169.0	16862.5	10478.9	6457.5	5501.7	5047.1	4771.2	4526.5	4328.3
22002.9	42.5°	21676.5	21447.3	17091.8	9938.8	5866.9	5132.6	4709.1	4336.1	4013.6	3831.0
23619.2	45°	23281.2	22764.4	17087.9	9251.1	5369.6	4794.6	4347.7	3819.3	3520.2	3349.2
25278.3	47.5°	24983.0	24023.3	16878.1	8489.6	4887.8	4421.6	3788.2	3384.2	3186.0	3081.1
27081.1	50°	26739.2	25200.6	16520.6	7615.3	4394.4	3998.1	3438.6	3162.7	3011.2	2914.0
28868.4	52.5°	28390.5	26269.0	16089.3	6624.6	3893.1	3586.2	3283.1	3069.4	2910.1	2801.4
30601.2	55°	29925.2	27189.9	15479.3	5610.5	3485.2	3310.3	3209.3	3030.6	2848.0	2719.8
32361.3	57.5°	31288.9	27788.2	14426.4	4658.6	3193.8	3120.0	3131.6	2964.5	2754.7	2645.9
34094.2	60°	32423.5	28227.3	12868.4	3776.6	2956.8	2933.5	3011.2	2840.2	2595.4	2471.1
35559.0	62.5°	33103.4	28219.5	10956.8	3092.8	2754.7	2762.5	2851.9	2684.8	2436.1	2319.6
36324.4	65°	33045.1	27527.9	8858.7	2645.9	2560.5	2568.2	2684.8	2513.8	2304.0	2234.1
35939.7	67.5°	31875.6	25841.6	6795.5	2354.5	2346.8	2381.7	2517.7	2397.3	2222.4	2214.7
33647.4	70°	28709.1	22340.9	4895.6	2121.4	2125.3	2175.8	2354.5	2323.5	2179.7	2195.2
28289.4	72.5°	23020.9	17033.5	3287.0	1876.6	1880.5	1962.1	2199.1	2265.2	2137.0	2342.9
20071.9	75°	15331.7	10622.6	2113.6	1616.3	1620.2	1725.1	2063.1	2152.5	2020.4	2335.1
10443.9	77.5°	7366.7	4775.1	1530.8	1359.9	1359.9	1457.0	1783.4	1927.1	1721.2	1814.5
3357.0	80°	2544.9	1795.0	1204.5	1095.7	1072.4	1138.4	1503.6	1670.7	1484.2	1367.7
1095.7	82.5°	1002.4	932.5	967.5	850.9	773.2	815.9	1169.5	1379.3	1091.8	986.9
617.8	85°	575.0	606.1	683.8	563.4	446.8	501.2	858.7	990.8	823.7	726.6
202.0	87.5°	155.4	213.7	314.7	291.4	202.0	213.7	408.0	547.8	474.0	365.2
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°
8202.0
8411.8
8746.0
9150.1
9523.1
9655.2
9659.0
9488.1
9087.9
8520.6
7926.2
7382.2
6900.4
6298.2
5622.1
4950.0
4347.7
3842.6
3341.4
3057.8
2879.1
2754.7
2669.3
2576.0
2416.7
2284.6
2230.2
2226.3
2191.4
2374.0
2354.5
1662.9
1282.2
983.0
742.1
376.9
0.0

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