

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: P848948

Luminaire Tested: **GLAN-SB5D-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848948
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-SB5D-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49688 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

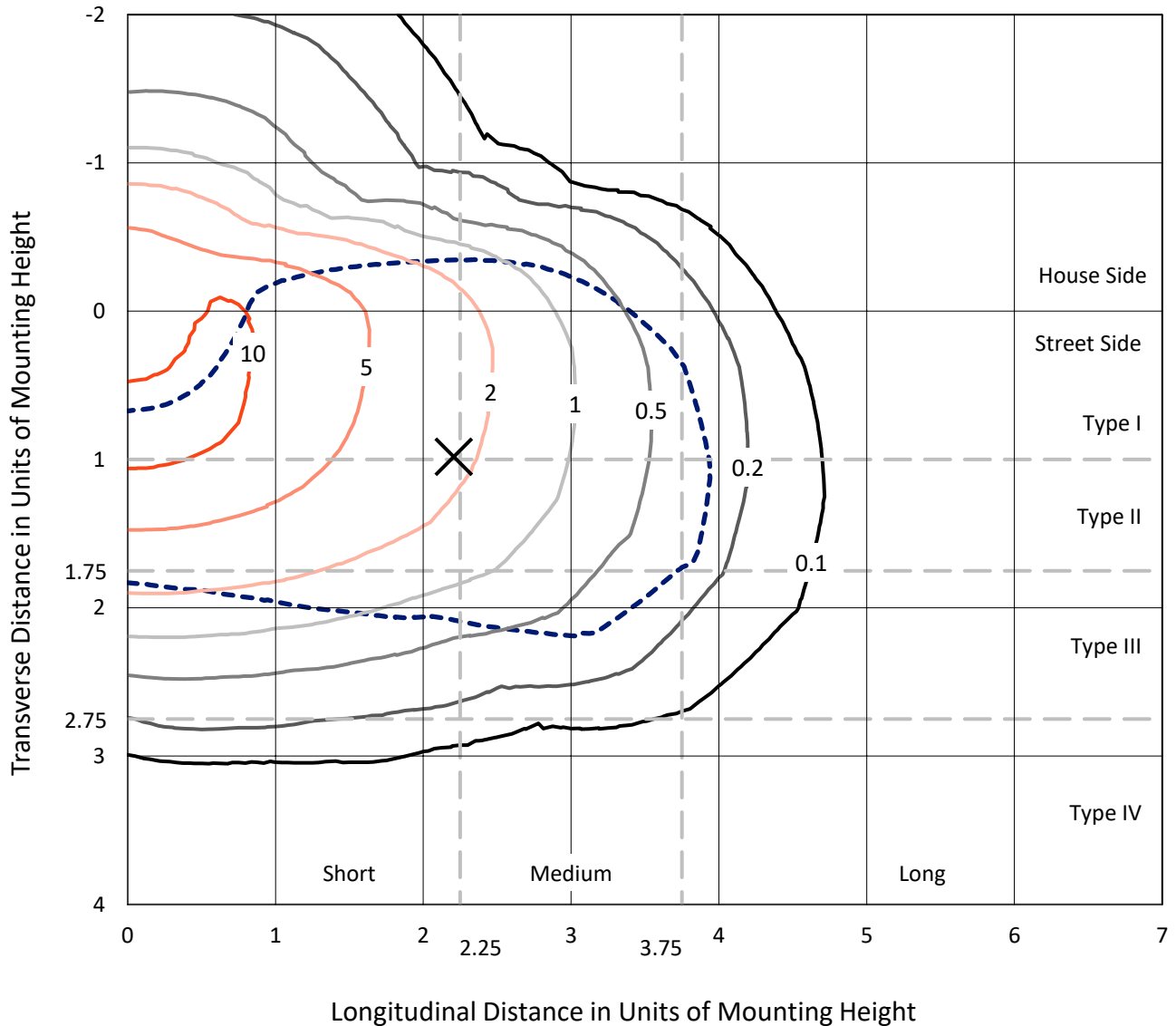
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

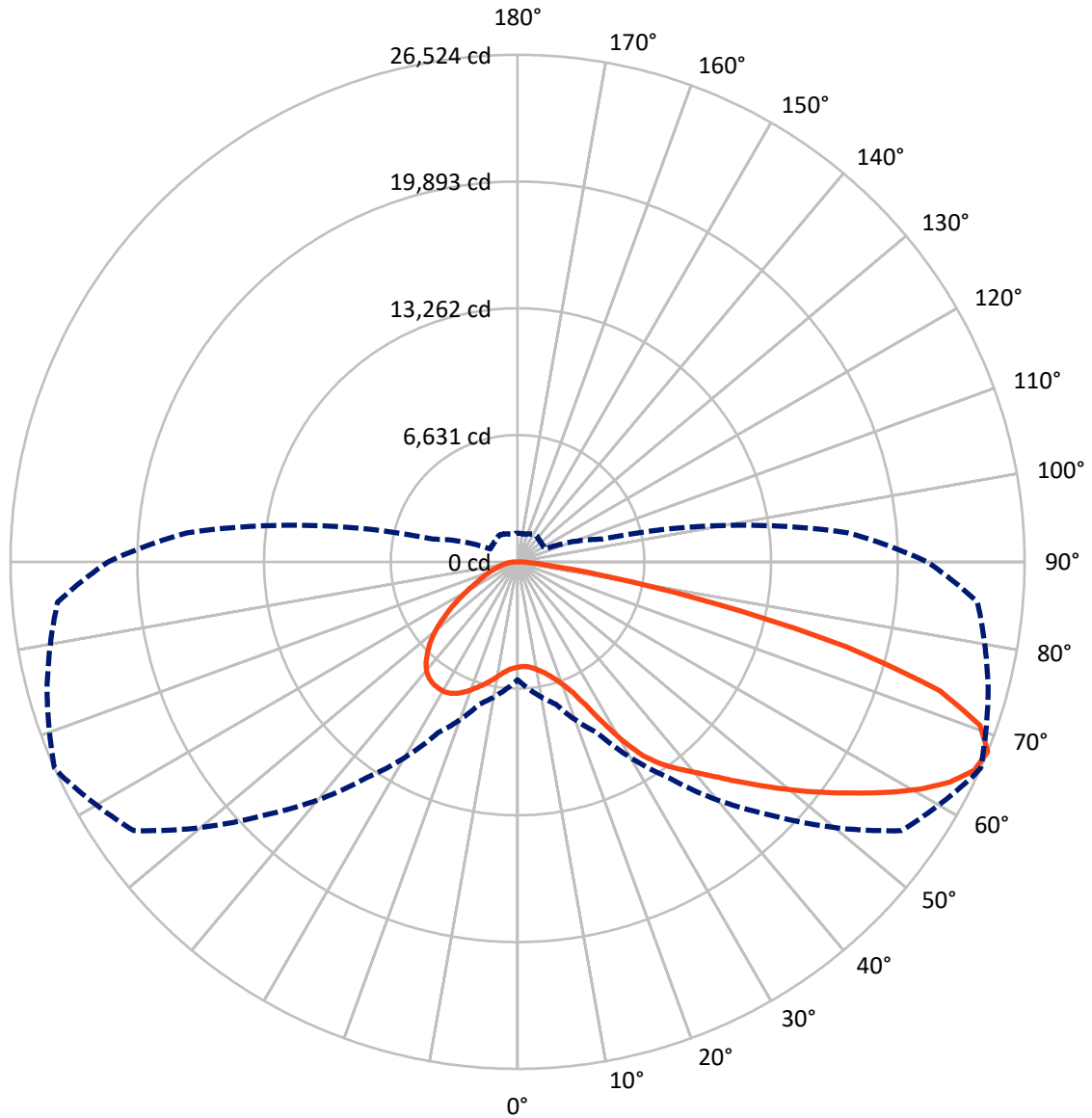
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	12354.8	0.0	12354.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	37333.2	0.0	37333.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	49688.0	0.0	49688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.4	1.1
10°-20°	1805.2	3.6
20°-30°	3479.5	7.0
30°-40°	6100.8	12.3
40°-50°	9069.9	18.3
50°-60°	11497.0	23.1
60°-70°	11249.5	22.6
70°-80°	5366.1	10.8
80°-90°	573.5	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°	49688.0	100.0
0°-180°	49688.0	100.0

Coefficient of Utilization



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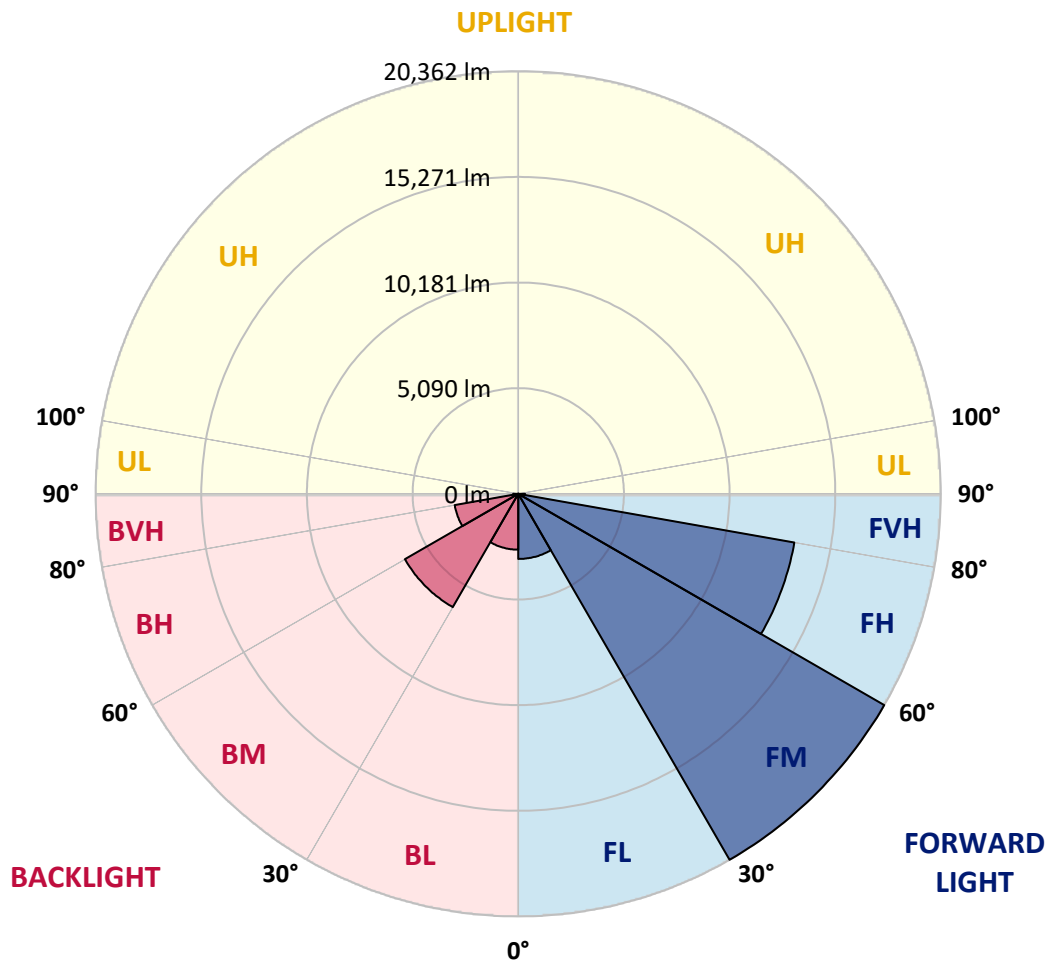
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3139.8	6.3			
FM (30°-60°)	20361.7	41.0			
FH (60°-80°)	13506.6	27.2			G5
FVH (80°-90°)	325.1	0.7			G3/500
BL (0°-30°)	2691.3	5.4	B4/5000		
BM (30°-60°)	6306.0	12.7	B4/8500		
BH (60°-80°)	3109.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	248.3	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1
2.5°	5453.6	5484.9	5477.1	5464.1	5461.5	5466.7	5474.5	5482.3	5479.7	5492.8
5°	5438.0	5469.3	5466.7	5466.7	5477.1	5498.0	5511.1	5524.1	5511.1	5526.7
7.5°	5448.4	5471.9	5482.3	5492.8	5518.9	5558.0	5589.4	5618.1	5602.4	5620.7
10°	5581.5	5599.8	5610.3	5610.3	5628.5	5672.9	5704.2	5756.5	5743.4	5772.1
12.5°	5824.3	5842.6	5842.6	5832.2	5845.2	5873.9	5884.4	5941.8	5918.3	5965.3
15°	6121.9	6158.5	6129.8	6111.5	6116.7	6145.4	6142.8	6187.2	6163.7	6202.9
17.5°	6450.9	6497.9	6450.9	6448.3	6437.8	6469.2	6471.8	6510.9	6469.2	6497.9
20°	6839.9	6905.1	6866.0	6879.0	6855.5	6868.6	6881.6	6939.1	6873.8	6894.7
22.5°	7388.1	7466.4	7424.7	7474.3	7458.6	7448.1	7445.5	7547.4	7445.5	7453.4
25°	8187.0	8280.9	8207.8	8275.7	8275.7	8309.7	8348.8	8479.4	8309.7	8260.1
27.5°	9367.0	9461.0	9317.4	9359.1	9346.1	9429.6	9387.9	9711.6	9528.8	9447.9
30°	10787.2	10954.2	10682.7	10672.3	10659.2	10792.4	10852.4	11066.5	10881.1	10800.2
32.5°	12322.2	12497.1	12173.4	12079.4	12029.8	12110.7	12061.1	12233.4	12105.5	11980.2
35°	13946.0	14118.3	13810.3	13627.5	13429.1	13259.4	13081.9	13126.3	13006.2	12815.6
37.5°	15481.1	15797.0	15470.6	15274.8	14909.4	14577.8	14081.8	13875.5	13763.3	13588.4
40°	17044.9	17225.0	16977.0	16809.9	16413.1	15893.6	15099.9	14664.0	14512.5	14342.8
42.5°	18196.1	18368.4	18235.3	18120.4	17809.8	17206.7	16180.7	15635.1	15415.8	15225.2
45°	19109.9	19237.8	19154.2	19196.0	19062.9	18478.1	17300.7	16676.8	16449.6	16217.3
47.5°	19478.0	19613.7	19746.9	19994.9	20222.0	19791.2	18504.2	17804.5	17564.4	17326.8
50°	19436.2	19574.6	19960.9	20488.3	21193.2	21049.6	19773.0	19005.4	18783.5	18512.0
52.5°	19102.0	19258.7	19754.7	20631.9	21754.4	21992.0	21065.2	20245.5	20036.6	19712.9
55°	18224.9	18318.8	19062.9	20305.5	21887.6	22649.9	22331.4	21566.5	21357.6	20906.0
57.5°	16598.4	16734.2	17817.6	19425.8	21553.4	23096.3	23443.5	22955.3	22754.3	22104.3
60°	14476.0	14692.7	15932.7	17948.1	20702.4	23093.7	24453.8	24320.7	24153.6	23284.3
62.5°	12074.2	12324.8	13517.9	15859.6	19214.3	22438.4	25085.6	25464.2	25378.0	24372.9
65°	9273.0	9445.3	10633.1	13157.6	16898.7	21031.3	25158.7	26244.7	26260.4	25200.5
67.5°	6174.2	6670.2	7701.4	9873.4	13797.2	18731.3	24516.5	26372.7	26524.1	25485.0
70°	3012.7	3665.3	4675.7	6416.9	9873.4	15204.4	22837.9	25323.2	25660.0	24654.9
72.5°	1250.5	1462.0	2012.8	3166.7	5667.7	10259.8	19464.9	22477.6	23101.5	21845.8
75°	843.2	913.7	1151.3	1623.8	2581.9	5059.4	14037.4	16760.3	17765.4	16499.2
77.5°	650.0	694.4	838.0	1135.6	1535.1	1913.6	7513.4	10100.6	10620.1	9831.7
80°	511.7	545.6	626.6	827.6	1088.6	1023.4	2561.0	4576.4	4876.7	4090.9
82.5°	443.8	456.9	449.0	561.3	723.1	597.8	840.6	1689.1	1864.0	1352.3
85°	321.1	357.7	373.3	347.2	383.8	302.8	344.6	597.8	657.9	587.4
87.5°	130.5	193.2	237.6	224.5	141.0	86.2	107.0	174.9	201.0	219.3
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°
5511.1	0°	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1	5511.1
5513.7	2.5°	5516.3	5534.6	5547.6	5563.3	5573.7	5589.4	5620.7	5639.0	5641.6	5654.6
5555.4	5°	5565.9	5592.0	5620.7	5662.5	5709.5	5748.6	5808.7	5850.4	5866.1	5879.2
5657.3	7.5°	5672.9	5709.5	5761.7	5834.8	5902.7	5954.9	6028.0	6077.6	6127.2	6145.4
5819.1	10°	5832.2	5884.4	5960.1	6059.3	6132.4	6200.3	6276.0	6317.7	6367.3	6388.2
6012.3	12.5°	6030.6	6085.4	6184.6	6323.0	6390.8	6437.8	6463.9	6453.5	6463.9	6482.2
6244.6	15°	6257.7	6317.7	6430.0	6578.8	6625.8	6584.0	6526.6	6474.4	6466.5	6471.8
6526.6	17.5°	6526.6	6571.0	6701.5	6826.8	6792.9	6620.6	6495.3	6411.7	6370.0	6356.9
6886.9	20°	6902.5	6902.5	7009.6	7087.9	6860.8	6568.4	6372.6	6236.8	6150.7	6114.1
7377.7	22.5°	7359.4	7317.6	7385.5	7330.7	6847.7	6422.2	6150.7	5915.7	5785.2	5733.0
8064.3	25°	7938.9	7889.3	7871.1	7531.7	6753.7	6189.8	5748.6	5464.1	5349.2	5320.5
9053.7	27.5°	8813.5	8688.2	8450.6	7641.3	6581.4	5824.3	5278.7	5015.0	4949.8	4952.4
10325.1	30°	9977.9	9727.2	9145.1	7659.6	6299.5	5307.4	4798.4	4610.4	4579.1	4592.1
11392.8	32.5°	11056.0	10818.5	9855.2	7576.1	5866.1	4801.0	4367.6	4242.3	4195.3	4211.0
12207.3	35°	11901.9	11836.6	10513.0	7458.6	5333.5	4325.8	3981.2	3874.2	3782.8	3761.9
12974.9	37.5°	12700.8	12674.6	11006.4	7294.1	4806.2	3989.1	3670.6	3529.6	3396.4	3323.3
13823.3	40°	13577.9	13551.8	11330.2	7040.9	4338.9	3696.7	3391.2	3205.9	3041.4	2908.3
14784.0	42.5°	14564.7	14410.7	11484.2	6678.0	3942.1	3448.7	3164.1	2913.5	2696.8	2574.1
15870.1	45°	15642.9	15295.7	11481.6	6215.9	3607.9	3221.5	2921.3	2566.3	2365.2	2250.4
16984.8	47.5°	16786.4	16141.6	11340.6	5704.2	3284.2	2970.9	2545.4	2273.9	2140.7	2070.2
18196.1	50°	17966.4	16932.6	11100.4	5116.8	2952.6	2686.3	2310.4	2125.1	2023.2	1958.0
19397.0	52.5°	19075.9	17650.5	10810.7	4451.1	2615.9	2409.6	2206.0	2062.4	1955.4	1882.3
20561.4	55°	20107.1	18269.2	10400.8	3769.8	2341.7	2224.3	2156.4	2036.3	1913.6	1827.4
21744.0	57.5°	21023.5	18671.3	9693.3	3130.2	2145.9	2096.3	2104.2	1991.9	1850.9	1777.8
22908.3	60°	21785.8	18966.3	8646.4	2537.5	1986.7	1971.0	2023.2	1908.4	1743.9	1660.4
23892.6	62.5°	22242.6	18961.1	7362.0	2078.1	1850.9	1856.2	1916.2	1804.0	1636.9	1558.6
24406.9	65°	22203.5	18496.4	5952.3	1777.8	1720.4	1725.6	1804.0	1689.1	1548.1	1501.1
24148.4	67.5°	21417.7	17363.4	4566.0	1582.0	1576.8	1600.3	1691.7	1610.8	1493.3	1488.1
22608.1	70°	19290.0	15011.2	3289.4	1425.4	1428.0	1462.0	1582.0	1561.2	1464.6	1475.0
19008.1	72.5°	15468.0	11445.0	2208.6	1260.9	1263.5	1318.4	1477.6	1522.0	1435.9	1574.2
13486.6	75°	10301.6	7137.5	1420.2	1086.0	1088.6	1159.1	1386.2	1446.3	1357.5	1569.0
7017.4	77.5°	4949.8	3208.5	1028.6	913.7	913.7	979.0	1198.3	1294.9	1156.5	1219.2
2255.6	80°	1710.0	1206.1	809.3	736.2	720.5	764.9	1010.3	1122.6	997.3	918.9
736.2	82.5°	673.5	626.6	650.0	571.7	519.5	548.2	785.8	926.8	733.6	663.1
415.1	85°	386.4	407.3	459.5	378.5	300.2	336.8	577.0	665.7	553.5	488.2
135.8	87.5°	104.4	143.6	211.5	195.8	135.8	143.6	274.1	368.1	318.5	245.4
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°
5511.1
5652.0
5876.5
6148.1
6398.7
6487.4
6490.0
6375.2
6106.3
5725.1
5325.7
4960.2
4636.5
4231.8
3777.6
3326.0
2921.3
2581.9
2245.1
2054.6
1934.5
1850.9
1793.5
1730.9
1623.8
1535.1
1498.5
1495.9
1472.4
1595.1
1582.0
1117.4
861.5
660.5
498.6
253.2
0.0

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