

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: P850397

Luminaire Tested: **GLAN-SB7D-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48734 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

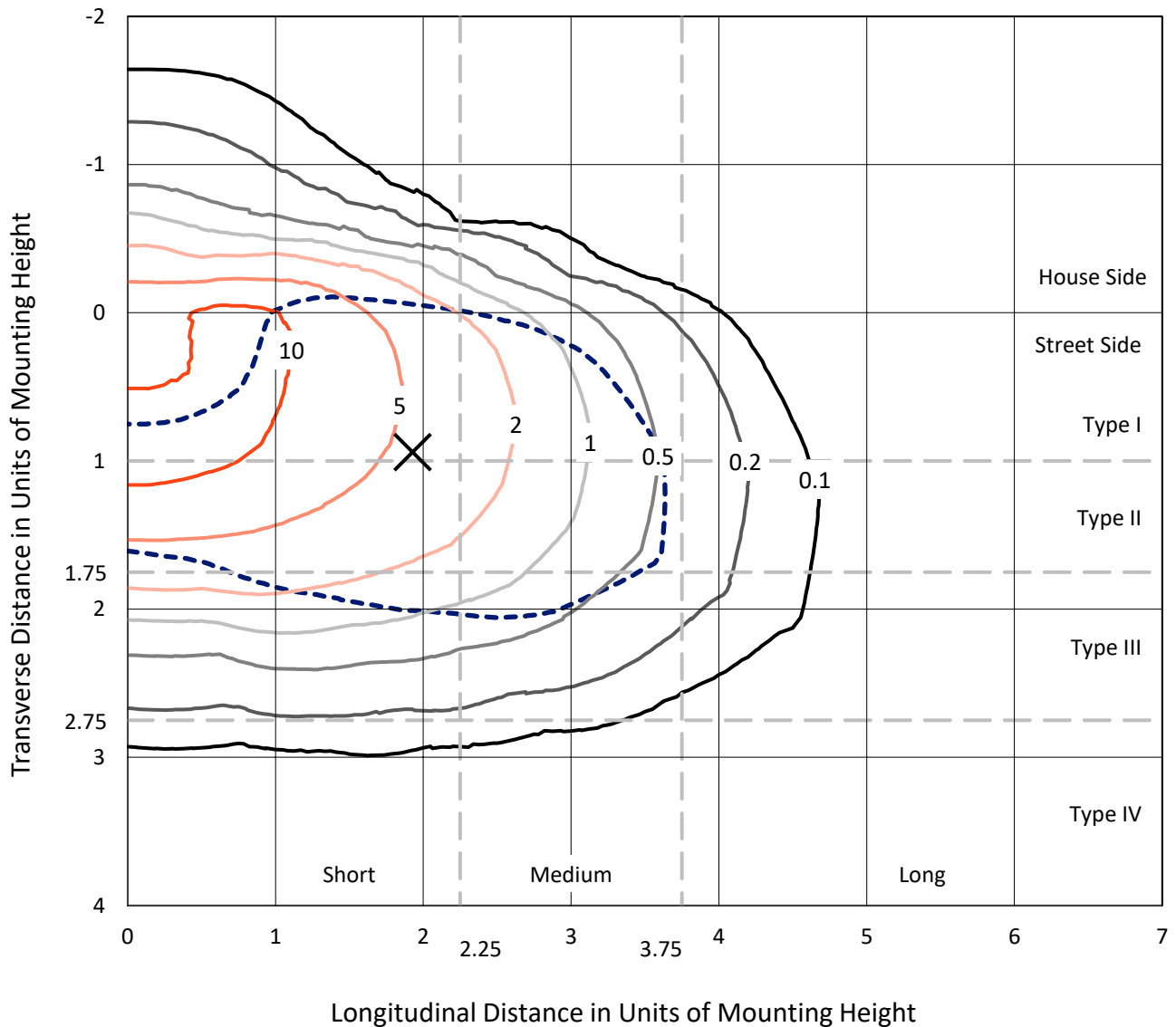
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

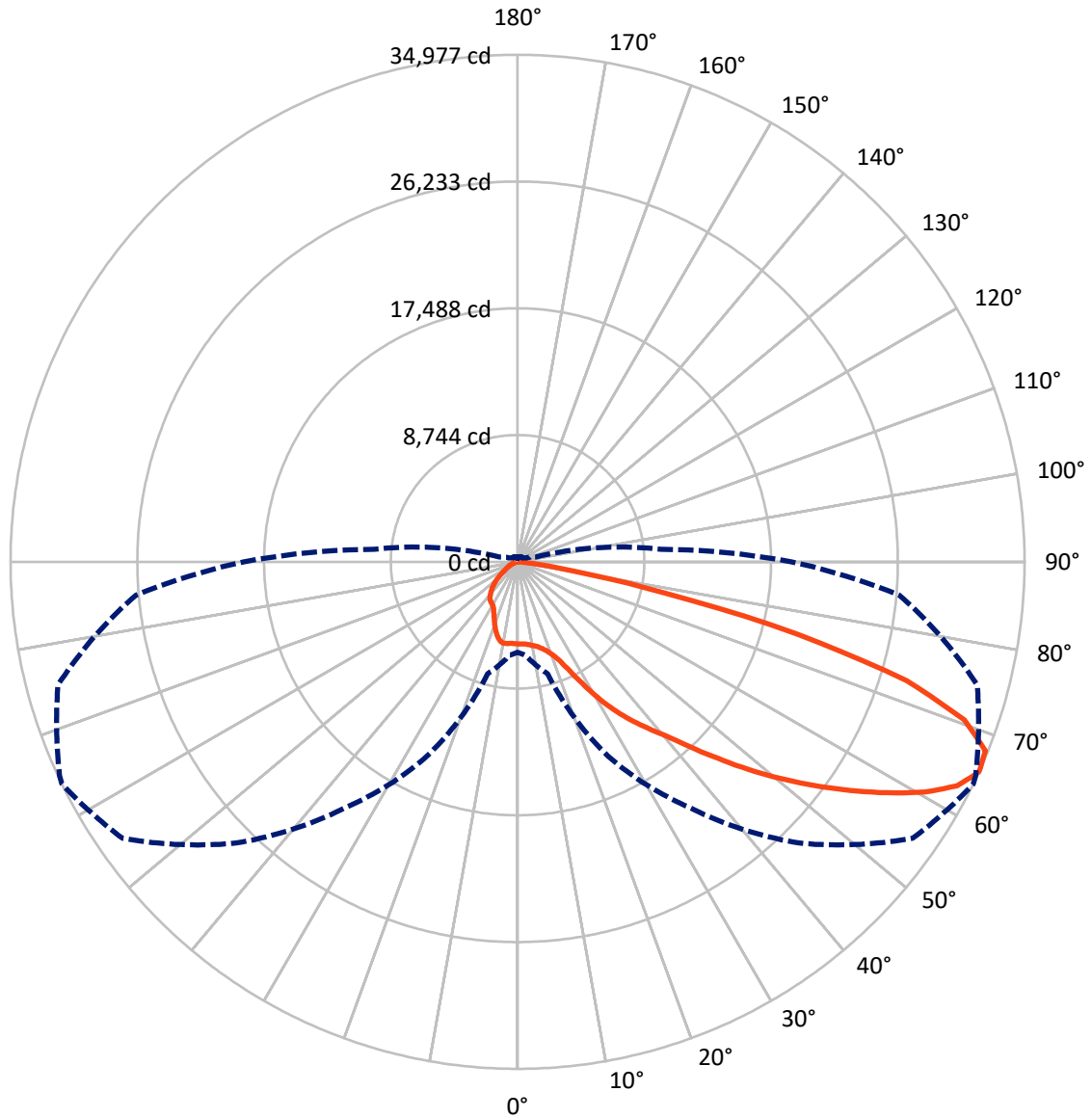
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6517.2	0.0	6517.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	42216.8	0.0	42216.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	48734.0	0.0	48734.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.0	1.1
10°-20°	1418.4	2.9
20°-30°	2687.7	5.5
30°-40°	5438.7	11.2
40°-50°	9264.9	19.0
50°-60°	12599.6	25.9
60°-70°	11831.7	24.3
70°-80°	4740.3	9.7
80°-90°	229.6	0.5
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°	48734.0	100.0
0°-180°	48734.0	100.0

Coefficient of Utilization

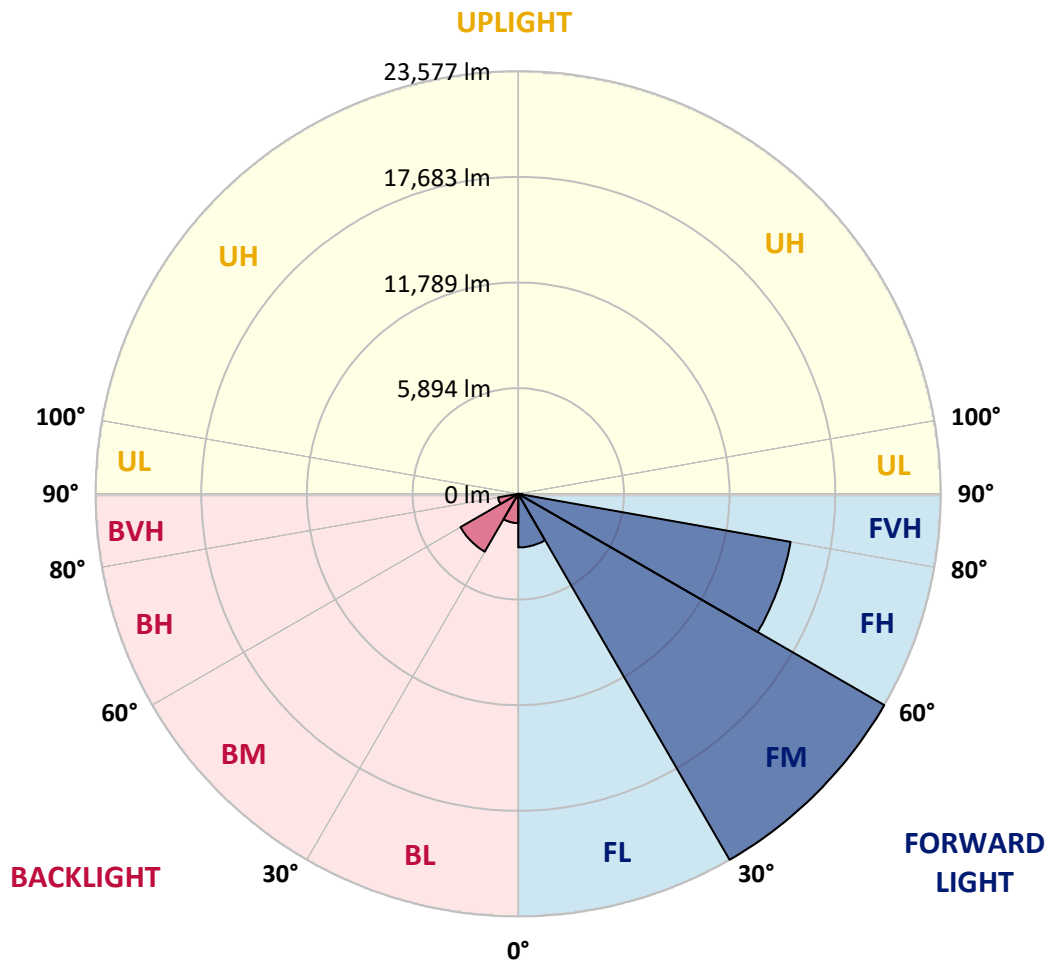


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2992.8	6.1			
FM (30°-60°)	23577.5	48.4			
FH (60°-80°)	15428.1	31.7			G5
FVH (80°-90°)	218.4	0.4			G2/225
BL (0°-30°)	1636.3	3.4	B3/2500		
BM (30°-60°)	3725.8	7.6	B3/5000		
BH (60°-80°)	1143.9	2.3	B3/2500		G3/2500
BVH (80°-90°)	11.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3
2.5°	5648.7	5687.9	5678.1	5668.3	5665.0	5671.5	5674.8	5671.5	5671.5	5671.5
5°	5540.9	5573.5	5573.5	5596.4	5629.1	5668.3	5697.7	5704.2	5710.7	5720.5
7.5°	5335.0	5361.2	5380.8	5455.9	5537.6	5642.1	5730.3	5776.1	5782.6	5818.6
10°	5194.6	5227.2	5259.9	5338.3	5455.9	5612.7	5763.0	5874.1	5890.4	5975.4
12.5°	5188.0	5220.7	5263.2	5348.1	5485.3	5651.9	5834.9	5995.0	6024.4	6148.5
15°	5256.6	5295.8	5335.0	5439.6	5586.6	5789.1	5985.2	6184.5	6213.9	6390.3
17.5°	5397.1	5449.4	5478.8	5583.3	5740.1	5965.6	6223.7	6452.4	6478.5	6684.3
20°	5674.8	5736.9	5746.7	5831.6	5985.2	6226.9	6534.0	6818.3	6850.9	7086.2
22.5°	6249.8	6338.0	6259.6	6302.1	6439.3	6681.0	7014.3	7373.7	7419.4	7687.3
25°	7262.6	7386.7	7184.2	7112.3	7171.1	7422.7	7840.8	8294.9	8347.2	8562.8
27.5°	9252.2	9092.1	8785.0	8484.4	8308.0	8451.8	8922.2	9484.1	9549.5	9758.6
30°	11437.8	11297.3	10882.4	10216.0	9797.8	9774.9	10209.4	10836.7	10911.8	11111.1
32.5°	13626.7	13492.8	13041.9	12221.9	11496.6	11137.3	11437.8	12133.7	12172.9	12300.3
35°	15779.7	15642.5	15191.6	14352.0	13460.1	12643.3	12584.5	13368.6	13381.7	13515.6
37.5°	17945.7	17831.4	17351.1	16527.8	15649.0	14521.9	13976.3	14538.2	14554.5	14685.2
40°	19491.0	19540.0	19210.0	18573.0	17818.3	16586.6	15537.9	15782.9	15684.9	15903.8
42.5°	20817.4	20915.4	20627.9	20307.8	19870.0	18785.3	17472.0	17429.5	17272.7	17390.3
45°	21964.1	22045.8	21787.7	21712.6	21702.8	20941.6	19585.8	19330.9	19112.0	19089.2
47.5°	22385.6	22542.4	22653.5	22905.0	23395.1	23074.9	21771.4	21376.1	21131.1	20951.4
50°	22545.7	22712.3	23091.3	23823.1	24982.9	25120.1	23947.2	23502.9	23202.3	22875.6
52.5°	22330.0	22627.3	23137.0	24368.7	26051.2	26760.1	26034.8	25646.1	25303.0	24770.5
55°	21059.2	21356.5	22398.7	24362.1	26583.7	27910.1	28008.1	27835.0	27449.5	26609.8
57.5°	18380.2	18821.3	20471.1	23532.3	26573.9	28900.0	29942.2	30066.3	29635.1	28432.8
60°	14668.9	15266.8	17279.2	21693.0	25753.9	29435.8	31637.8	32258.5	31801.1	30229.7
62.5°	10235.6	10928.2	12832.8	18811.5	23878.6	29050.3	32876.0	34022.7	33676.4	31837.1
65°	6243.3	6465.4	8000.9	14802.8	20690.0	27436.4	33258.2	34976.7	34862.3	32820.4
67.5°	4158.9	4345.1	4786.2	10150.6	16060.6	24211.8	32343.4	34810.0	34842.7	32660.3
70°	2505.8	2665.9	2953.4	5903.5	10408.7	19164.3	29510.9	32686.5	32876.0	30520.4
72.5°	1032.4	1140.2	1401.5	2675.7	5390.6	12163.1	23499.6	28063.7	28504.7	25662.4
75°	584.8	640.3	823.3	1342.7	2339.2	5668.3	14234.4	19922.3	20572.4	17687.6
77.5°	388.8	414.9	532.5	869.0	1316.6	1934.1	6083.2	10379.3	11620.8	9660.6
80°	261.4	284.2	365.9	581.5	856.0	829.8	1937.3	3845.3	4730.6	3319.3
82.5°	176.4	179.7	261.4	382.2	542.3	401.8	571.7	1195.7	1502.8	960.5
85°	101.3	98.0	192.8	222.2	241.8	166.6	173.2	359.4	470.5	405.1
87.5°	13.1	19.6	75.1	58.8	32.7	35.9	35.9	62.1	91.5	98.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5668.3	0°	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3	5668.3
5674.8	2.5°	5674.8	5671.5	5661.7	5651.9	5629.1	5616.0	5622.5	5616.0	5612.7	5616.0
5717.3	5°	5717.3	5707.5	5681.3	5648.7	5602.9	5547.4	5511.5	5459.2	5410.2	5380.8
5831.6	7.5°	5831.6	5821.8	5785.9	5694.4	5547.4	5315.4	5103.1	4916.9	4776.4	4694.7
6014.6	10°	6014.6	5998.2	5942.7	5740.1	5354.6	4848.2	4426.8	4077.2	3848.5	3740.7
6230.2	12.5°	6230.2	6210.6	6112.6	5697.7	4988.7	4198.1	3616.6	3227.8	3015.5	2920.7
6478.5	15°	6485.0	6458.9	6266.1	5495.1	4456.2	3479.4	2946.8	2656.1	2518.9	2433.9
6795.4	17.5°	6801.9	6756.2	6380.5	5191.3	3877.9	2930.5	2535.2	2316.3	2195.4	2113.8
7210.3	20°	7213.6	7138.4	6472.0	4828.6	3345.4	2584.2	2257.5	2074.6	1983.1	1911.2
7798.4	22.5°	7788.6	7680.8	6583.0	4436.6	2969.7	2345.7	2051.7	1917.7	1842.6	1760.9
8618.4	25°	8500.8	8373.4	6720.2	4074.0	2711.6	2139.9	1901.4	1790.3	1702.1	1607.4
9693.2	27.5°	9497.2	9268.5	6883.6	3776.7	2489.5	1963.5	1764.2	1640.0	1538.8	1460.4
10911.8	30°	10608.0	10232.3	7027.3	3597.0	2286.9	1800.1	1584.5	1460.4	1365.6	1310.1
12006.3	32.5°	11660.0	11150.3	7122.1	3518.6	2104.0	1613.9	1388.5	1254.5	1182.7	1166.3
13077.9	35°	12653.1	11980.1	7112.3	3443.4	1940.6	1427.7	1195.7	1058.5	1003.0	1012.8
14231.1	37.5°	13796.6	12865.5	7043.7	3325.8	1806.7	1257.8	1029.1	908.2	859.2	862.5
15632.7	40°	15126.3	13888.1	7001.2	3103.7	1659.6	1101.0	891.9	793.9	757.9	744.9
17109.4	42.5°	16544.2	14878.0	7007.7	2852.1	1476.7	960.5	797.2	715.5	682.8	673.0
18752.7	45°	17968.6	15822.2	7017.5	2590.7	1283.9	852.7	728.5	659.9	640.3	627.3
20418.8	47.5°	19308.1	16625.8	6834.6	2309.8	1094.4	771.0	673.0	627.3	610.9	594.6
22091.6	50°	20556.1	17161.6	6393.5	1983.1	944.2	705.7	630.5	597.9	581.5	565.2
23607.4	52.5°	21526.4	17246.6	5665.0	1646.6	839.6	656.7	604.4	575.0	555.4	539.1
24832.6	55°	21957.6	16714.0	4629.4	1332.9	757.9	614.2	578.3	548.9	526.0	509.7
25796.3	57.5°	21846.5	15593.5	3610.1	1071.6	679.5	571.7	545.6	526.0	499.9	473.7
26577.2	60°	21300.9	14093.9	2721.4	891.9	607.7	526.0	509.7	493.3	457.4	418.2
26877.7	62.5°	20356.8	12208.8	1940.6	738.3	529.3	473.7	467.2	454.1	401.8	330.0
26433.4	65°	18912.7	9918.7	1306.8	614.2	454.1	414.9	418.2	395.3	326.7	245.0
24806.4	67.5°	16802.3	7252.8	836.4	503.1	379.0	346.3	349.6	336.5	277.7	209.1
21722.4	70°	14113.5	4802.5	545.6	382.2	303.8	267.9	287.5	290.8	235.2	169.9
16671.6	72.5°	10346.6	2835.8	382.2	284.2	222.2	186.2	235.2	241.8	189.5	127.4
10029.7	75°	5897.0	1346.0	287.5	205.8	137.2	130.7	183.0	183.0	130.7	84.9
4341.9	77.5°	2476.4	561.9	202.6	133.9	78.4	75.1	124.1	114.3	65.3	39.2
1058.5	80°	715.5	251.6	107.8	65.3	32.7	29.4	49.0	35.9	16.3	6.5
401.8	82.5°	281.0	111.1	42.5	26.1	13.1	13.1	6.5	0.0	0.0	0.0
228.7	85°	166.6	45.7	19.6	9.8	3.3	0.0	0.0	0.0	0.0	0.0
49.0	87.5°	42.5	9.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
5668.3
5629.1
5387.3
4698.0
3730.9
2910.9
2437.2
2107.2
1898.1
1747.9
1597.6
1444.0
1300.3
1176.1
1012.8
875.6
741.6
669.7
627.3
594.6
565.2
535.8
506.4
470.5
411.6
323.4
238.5
199.3
163.4
120.9
78.4
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