

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: P849707

Luminaire Tested: **GLAN-SB6D-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849707
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-SB6D-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 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: 43039 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

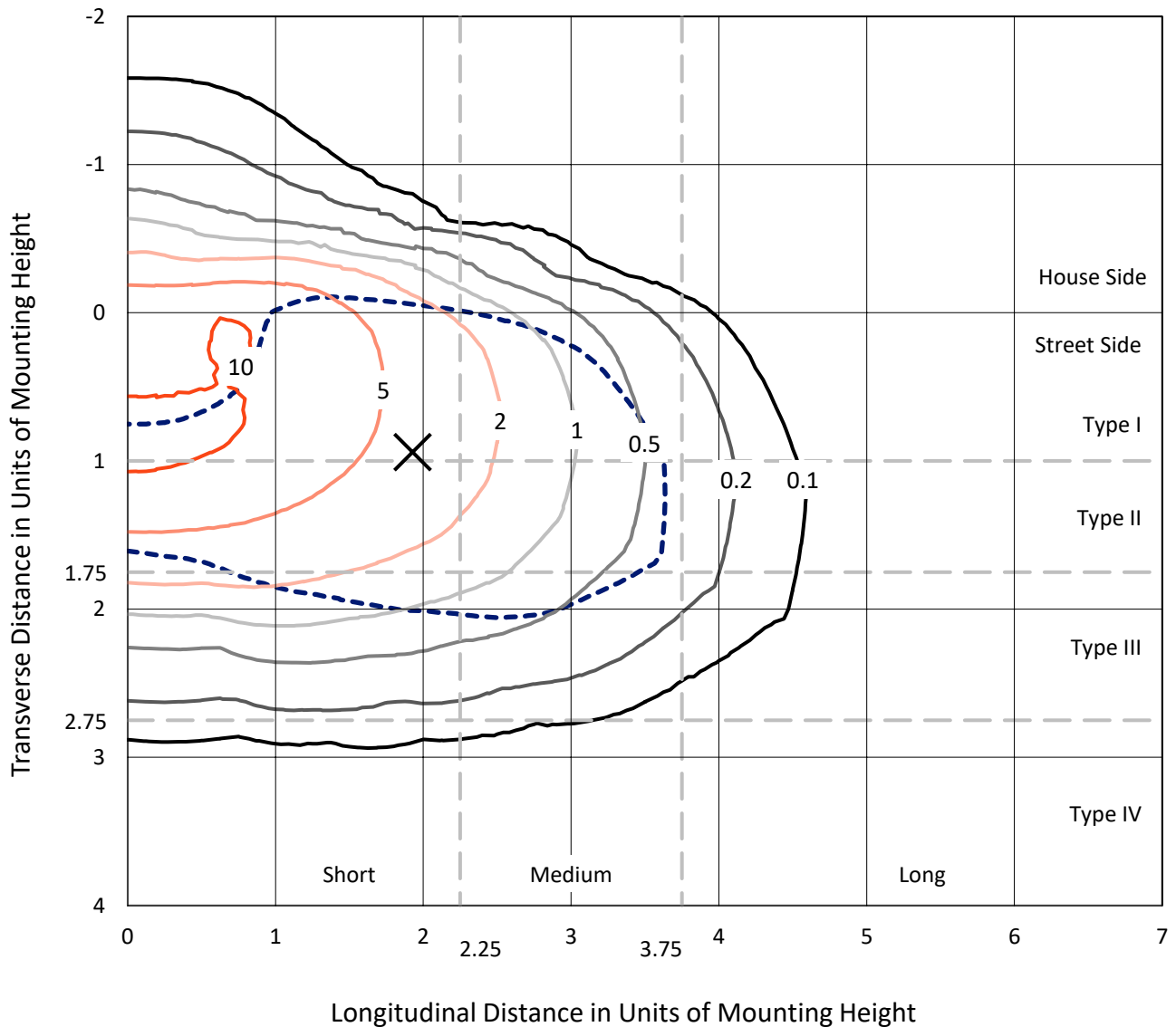
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

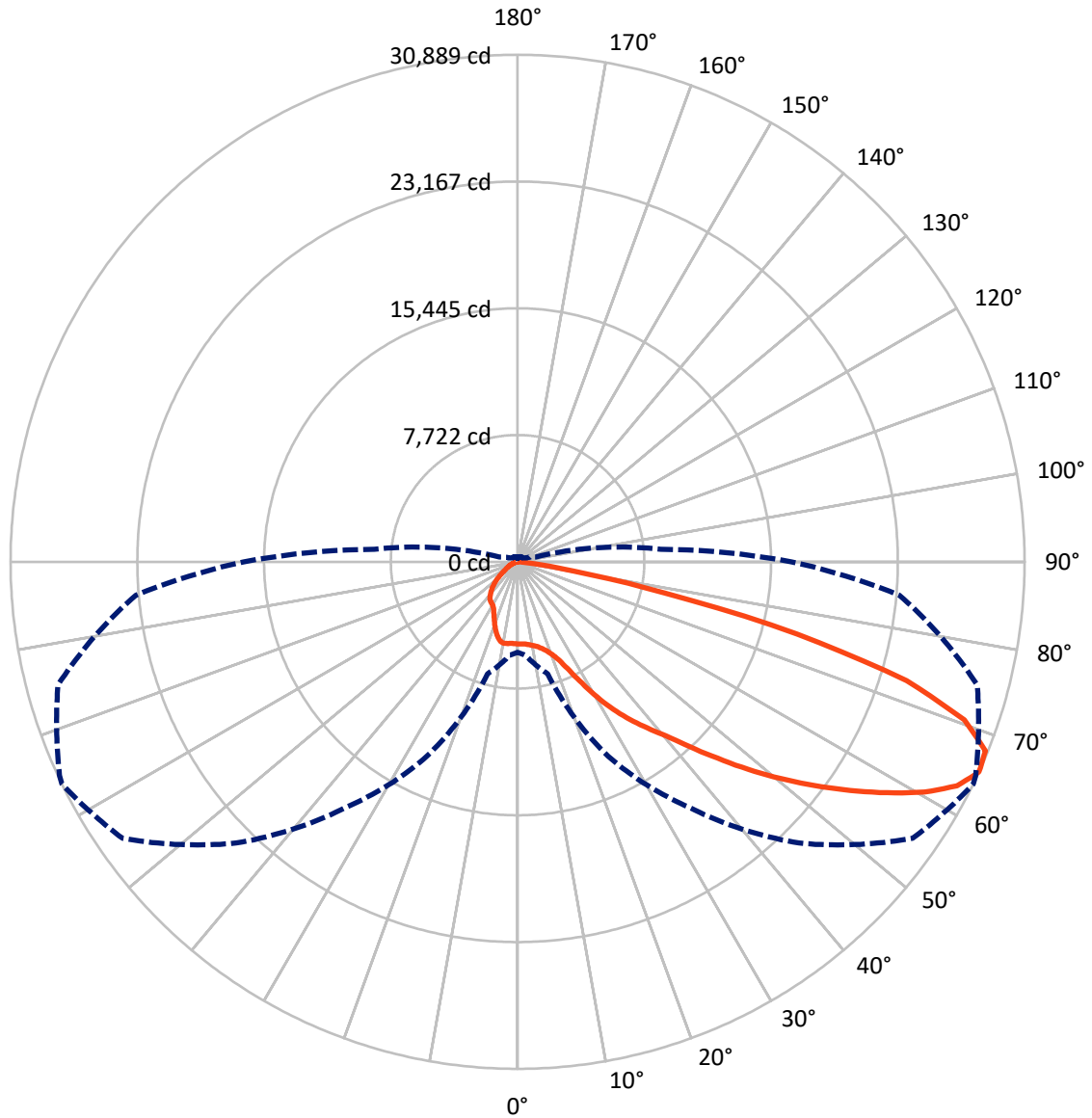
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	5755.6	0.0	5755.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	37283.4	0.0	37283.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	43039.0	0.0	43039.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.8	1.1
10°-20°	1252.7	2.9
20°-30°	2373.7	5.5
30°-40°	4803.2	11.2
40°-50°	8182.3	19.0
50°-60°	11127.2	25.9
60°-70°	10449.0	24.3
70°-80°	4186.3	9.7
80°-90°	202.8	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°	43039.0	100.0
0°-180°	43039.0	100.0

Coefficient of Utilization



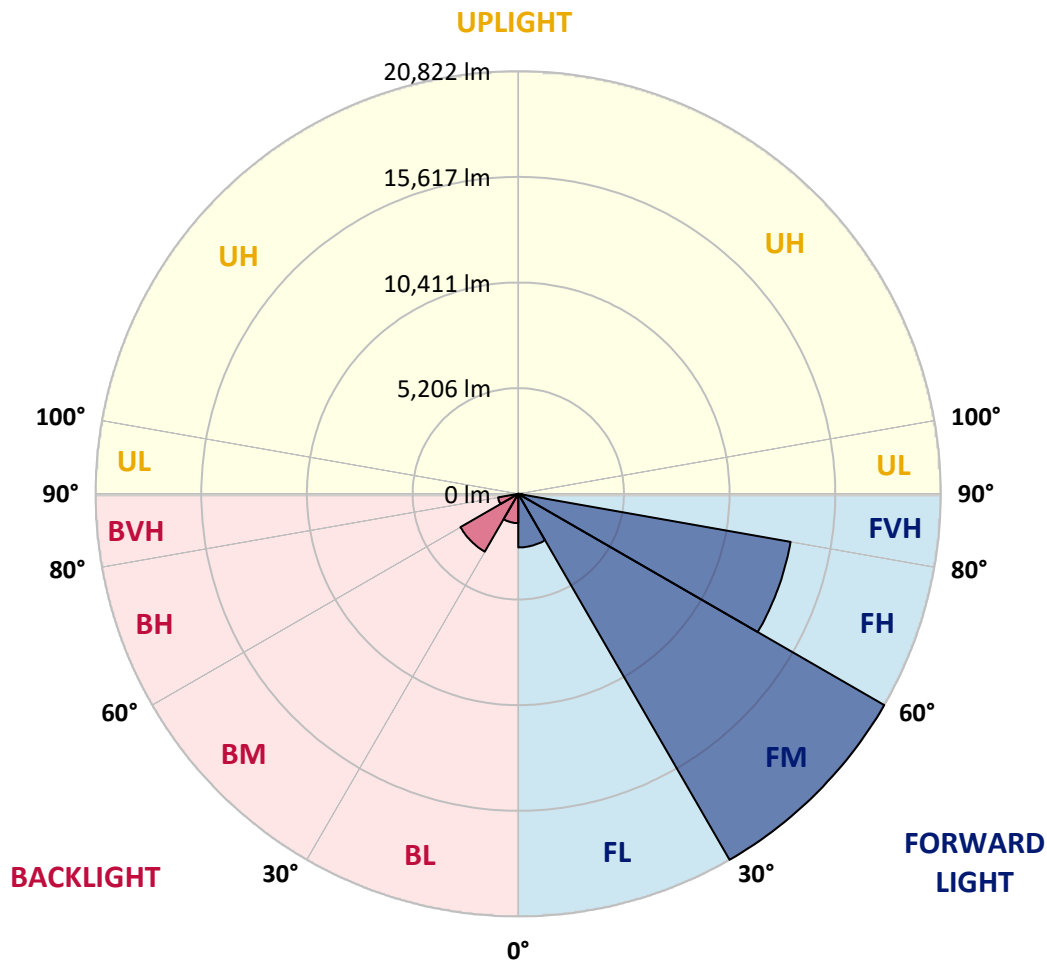
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2643.1	6.1			
FM (30°-60°)	20822.2	48.4			
FH (60°-80°)	13625.2	31.7			G5
FVH (80°-90°)	192.9	0.4			G2/225
BL (0°-30°)	1445.1	3.4	B3/2500		
BM (30°-60°)	3290.4	7.6	B3/5000		
BH (60°-80°)	1010.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	9.9	0.0			G0/10
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°	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9
2.5°	4988.6	5023.2	5014.5	5005.9	5003.0	5008.8	5011.7	5008.8	5008.8	5008.8
5°	4893.4	4922.2	4922.2	4942.4	4971.3	5005.9	5031.8	5037.6	5043.4	5052.0
7.5°	4711.6	4734.7	4752.0	4818.3	4890.5	4982.8	5060.7	5101.1	5106.9	5138.6
10°	4587.5	4616.4	4645.2	4714.5	4818.3	4956.8	5089.6	5187.7	5202.1	5277.1
12.5°	4581.8	4610.6	4648.1	4723.1	4844.3	4991.5	5153.0	5294.4	5320.4	5430.0
15°	4642.3	4677.0	4711.6	4803.9	4933.8	5112.6	5285.8	5461.7	5487.7	5643.5
17.5°	4766.4	4812.6	4838.5	4930.9	5069.4	5268.4	5496.4	5698.3	5721.4	5903.2
20°	5011.7	5066.5	5075.1	5150.1	5285.8	5499.3	5770.5	6021.5	6050.3	6258.1
22.5°	5519.5	5597.4	5528.1	5565.6	5686.8	5900.3	6194.6	6512.0	6552.4	6789.0
25°	6413.9	6523.5	6344.6	6281.2	6333.1	6555.3	6924.6	7325.6	7371.8	7562.2
27.5°	8171.0	8029.6	7758.4	7493.0	7337.2	7464.1	7879.6	8375.8	8433.5	8618.2
30°	10101.2	9977.1	9610.7	9022.1	8652.8	8632.6	9016.4	9570.3	9636.7	9812.7
32.5°	12034.3	11916.0	11517.9	10793.7	10153.1	9835.8	10101.2	10715.8	10750.4	10862.9
35°	13935.7	13814.5	13416.3	12674.8	11887.2	11165.9	11113.9	11806.4	11817.9	11936.2
37.5°	15848.6	15747.6	15323.5	14596.4	13820.3	12824.9	12343.0	12839.3	12853.7	12969.1
40°	17213.3	17256.6	16965.2	16402.6	15736.1	14648.3	13722.2	13938.6	13852.0	14045.3
42.5°	18384.7	18471.3	18217.4	17934.6	17548.0	16590.1	15430.2	15392.7	15254.2	15358.1
45°	19397.4	19469.6	19241.6	19175.3	19166.6	18494.4	17297.0	17071.9	16878.6	16858.4
47.5°	19769.6	19908.1	20006.2	20228.4	20661.2	20378.4	19227.2	18878.1	18661.7	18503.0
50°	19911.0	20058.2	20392.8	21039.1	22063.4	22184.6	21148.8	20756.4	20490.9	20202.4
52.5°	19720.6	19983.1	20433.2	21521.0	23006.9	23633.0	22992.4	22649.1	22346.1	21875.9
55°	18598.2	18860.8	19781.2	21515.2	23477.2	24648.6	24735.1	24582.2	24241.7	23500.2
57.5°	16232.3	16621.8	18078.9	20782.3	23468.5	25522.8	26443.2	26552.8	26172.0	25110.2
60°	12954.7	13482.7	15260.0	19158.0	22744.3	25996.0	27940.6	28488.8	28084.9	26697.1
62.5°	9039.4	9651.1	11333.2	16613.2	21088.2	25655.5	29034.1	30046.8	29741.0	28116.6
65°	5513.7	5709.9	7065.9	13073.0	18272.2	24230.2	29371.7	30889.3	30788.3	28985.1
67.5°	3672.9	3837.4	4226.9	8964.4	14183.8	21382.5	28563.8	30742.2	30771.0	28843.7
70°	2213.0	2354.4	2608.3	5213.6	9192.4	16924.8	26062.3	28866.8	29034.1	26953.9
72.5°	911.7	1006.9	1237.8	2363.0	4760.6	10741.7	20753.5	24784.2	25173.7	22663.5
75°	516.5	565.5	727.1	1185.8	2065.8	5005.9	12571.0	17594.2	18168.3	15620.7
77.5°	343.3	366.4	470.3	767.5	1162.7	1708.1	5372.3	9166.4	10262.8	8531.6
80°	230.8	251.0	323.1	513.6	755.9	732.8	1710.9	3395.9	4177.8	2931.4
82.5°	155.8	158.7	230.8	337.6	478.9	354.9	504.9	1056.0	1327.2	848.3
85°	89.4	86.6	170.2	196.2	213.5	147.1	152.9	317.4	415.5	357.8
87.5°	11.5	17.3	66.4	51.9	28.9	31.7	31.7	54.8	80.8	86.6
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°
5005.9	0°	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9	5005.9
5011.7	2.5°	5011.7	5008.8	5000.1	4991.5	4971.3	4959.7	4965.5	4959.7	4956.8	4959.7
5049.2	5°	5049.2	5040.5	5017.4	4988.6	4948.2	4899.1	4867.4	4821.2	4777.9	4752.0
5150.1	7.5°	5150.1	5141.5	5109.8	5029.0	4899.1	4694.3	4506.7	4342.3	4218.2	4146.1
5311.7	10°	5311.7	5297.3	5248.2	5069.4	4728.9	4281.7	3909.5	3600.8	3398.8	3303.6
5502.1	12.5°	5502.1	5484.8	5398.3	5031.8	4405.8	3707.5	3194.0	2850.6	2663.1	2579.4
5721.4	15°	5727.2	5704.1	5533.9	4853.0	3935.5	3072.8	2602.5	2345.7	2224.5	2149.5
6001.3	17.5°	6007.1	5966.7	5634.9	4584.6	3424.8	2588.1	2238.9	2045.6	1938.9	1866.7
6367.7	20°	6370.6	6304.2	5715.7	4264.4	2954.5	2282.2	1993.7	1832.1	1751.3	1687.9
6887.1	22.5°	6878.4	6783.2	5813.7	3918.1	2622.7	2071.6	1811.9	1693.6	1627.3	1555.1
7611.2	25°	7507.4	7394.9	5934.9	3597.9	2394.7	1889.8	1679.2	1581.1	1503.2	1419.5
8560.5	27.5°	8387.4	8185.4	6079.2	3335.3	2198.5	1734.0	1558.0	1448.4	1358.9	1289.7
9636.7	30°	9368.4	9036.6	6206.1	3176.6	2019.7	1589.8	1399.3	1289.7	1206.0	1157.0
10603.2	32.5°	10297.4	9847.3	6289.8	3107.4	1858.1	1425.3	1226.2	1107.9	1044.5	1030.0
11549.6	35°	11174.5	10580.2	6281.2	3041.0	1713.8	1260.8	1056.0	934.8	885.8	894.4
12568.1	37.5°	12184.3	11362.1	6220.6	2937.2	1595.5	1110.8	908.8	802.1	758.8	761.7
13805.8	40°	13358.6	12265.1	6183.1	2741.0	1465.7	972.3	787.7	701.1	669.4	657.8
15110.0	42.5°	14610.8	13139.4	6188.8	2518.8	1304.1	848.3	704.0	631.9	603.0	594.4
16561.2	45°	15868.8	13973.2	6197.5	2288.0	1133.9	753.0	643.4	582.8	565.5	554.0
18032.7	47.5°	17051.7	14683.0	6035.9	2039.9	966.6	680.9	594.4	554.0	539.5	525.1
19510.0	50°	18153.9	15156.1	5646.4	1751.3	833.8	623.2	556.9	528.0	513.6	499.1
20848.7	52.5°	19010.8	15231.2	5003.0	1454.2	741.5	579.9	533.8	507.8	490.5	476.1
21930.7	55°	19391.7	14760.9	4088.4	1177.2	669.4	542.4	510.7	484.7	464.5	450.1
22781.8	57.5°	19293.6	13771.2	3188.2	946.4	600.1	504.9	481.8	464.5	441.4	418.4
23471.4	60°	18811.7	12446.9	2403.4	787.7	536.7	464.5	450.1	435.7	403.9	369.3
23736.8	62.5°	17977.9	10782.1	1713.8	652.1	467.4	418.4	412.6	401.0	354.9	291.4
23344.4	65°	16702.6	8759.6	1154.1	542.4	401.0	366.4	369.3	349.1	288.5	216.4
21907.6	67.5°	14838.8	6405.2	738.6	444.3	334.7	305.8	308.7	297.2	245.2	184.7
19183.9	70°	12464.2	4241.3	481.8	337.6	268.3	236.6	253.9	256.8	207.7	150.0
14723.4	72.5°	9137.5	2504.4	337.6	251.0	196.2	164.5	207.7	213.5	167.3	112.5
8857.7	75°	5207.8	1188.7	253.9	181.8	121.2	115.4	161.6	161.6	115.4	75.0
3834.5	77.5°	2187.0	496.3	178.9	118.3	69.2	66.4	109.6	101.0	57.7	34.6
934.8	80°	631.9	222.2	95.2	57.7	28.9	26.0	43.3	31.7	14.4	5.8
354.9	82.5°	248.1	98.1	37.5	23.1	11.5	11.5	5.8	0.0	0.0	0.0
202.0	85°	147.1	40.4	17.3	8.7	2.9	0.0	0.0	0.0	0.0	0.0
43.3	87.5°	37.5	8.7	5.8	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°
5005.9
4971.3
4757.8
4149.0
3294.9
2570.7
2152.4
1861.0
1676.3
1543.6
1410.9
1275.3
1148.3
1038.7
894.4
773.2
654.9
591.5
554.0
525.1
499.1
473.2
447.2
415.5
363.5
285.6
210.6
176.0
144.3
106.8
69.2
34.6
5.8
0.0
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