

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: P850377

Luminaire Tested: **GLAN-SB7D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850377
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-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 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: 46993 lumens
Efficiency: N/A
Efficacy: 91.6 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

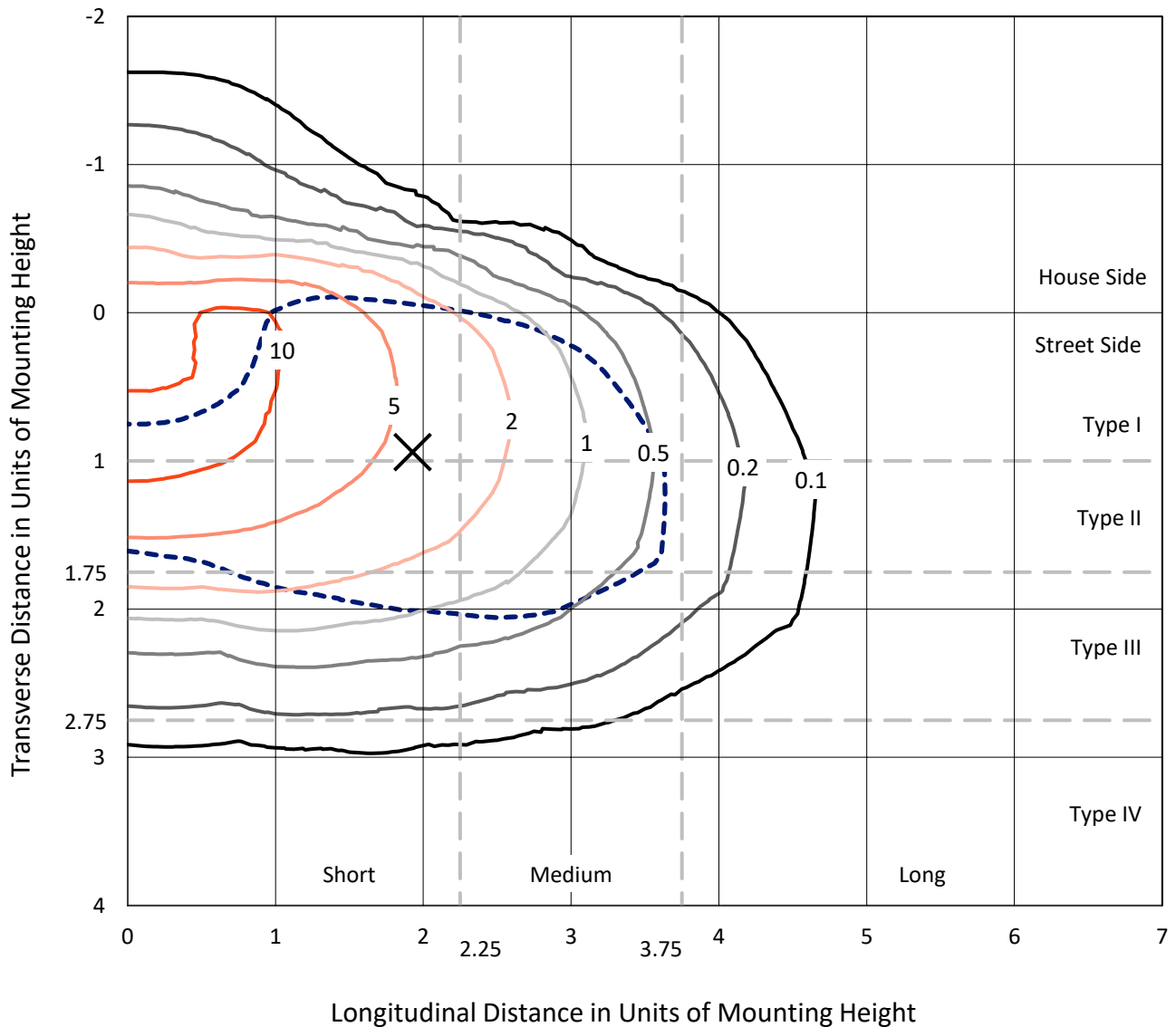
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

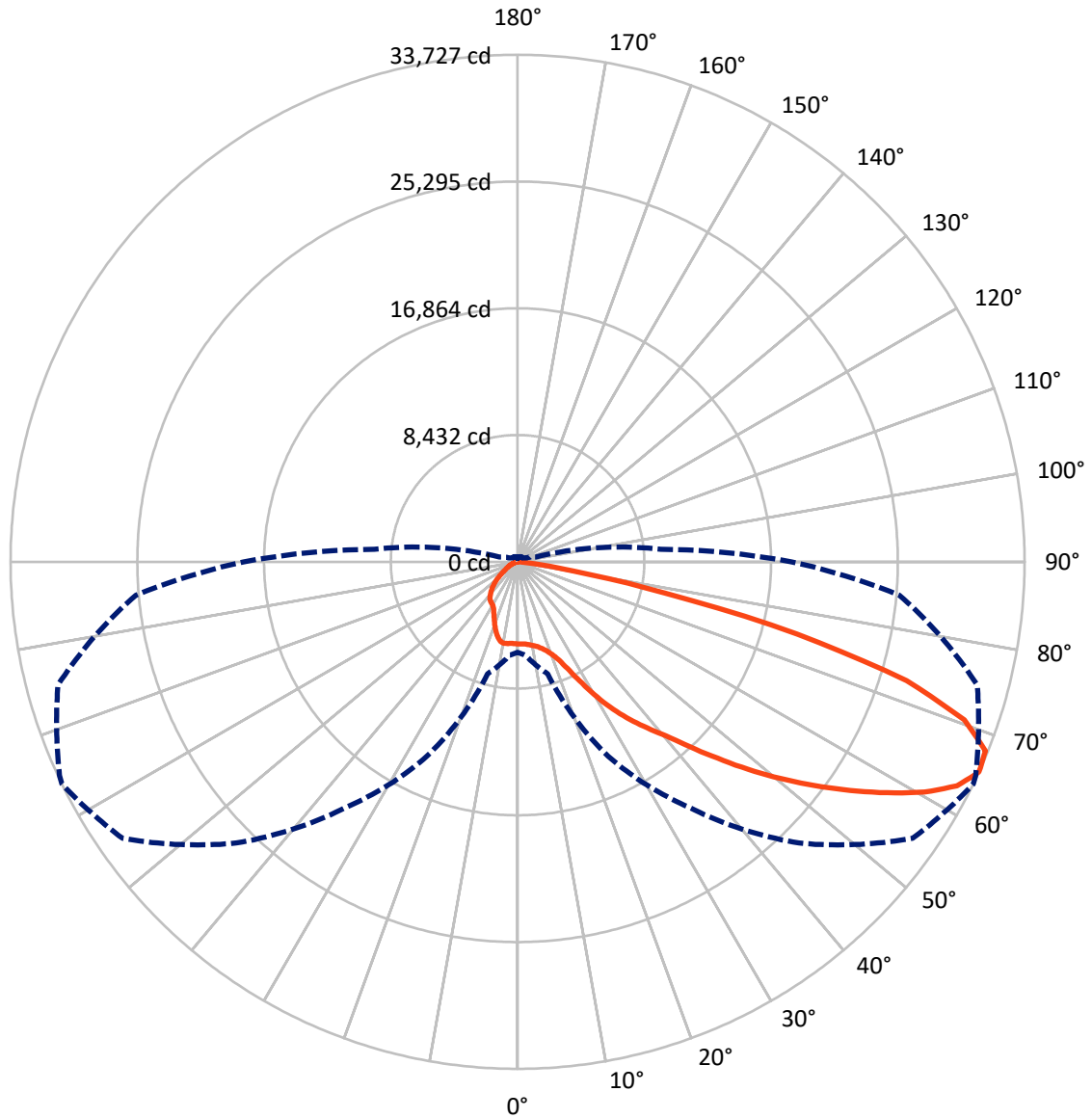
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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	6284.4	0.0	6284.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	40708.6	0.0	40708.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	46993.0	0.0	46993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.3	1.1
10°-20°	1367.7	2.9
20°-30°	2591.7	5.5
30°-40°	5244.4	11.2
40°-50°	8934.0	19.0
50°-60°	12149.5	25.9
60°-70°	11409.0	24.3
70°-80°	4570.9	9.7
80°-90°	221.5	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°	46993.0	100.0
0°-180°	46993.0	100.0

Coefficient of Utilization



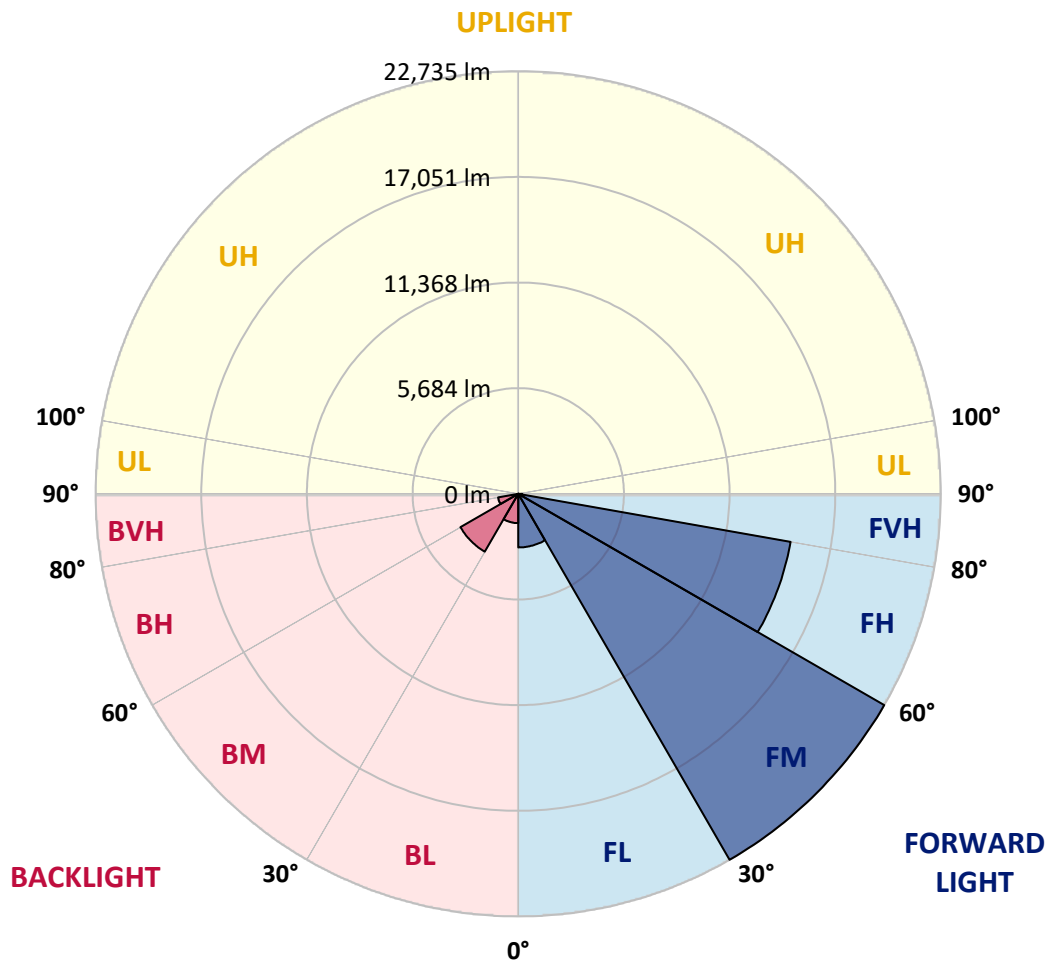
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2885.9	6.1			
FM (30°-60°)	22735.2	48.4			
FH (60°-80°)	14876.9	31.7			G5
FVH (80°-90°)	210.6	0.4			G2/225
BL (0°-30°)	1577.8	3.4	B3/2500		
BM (30°-60°)	3592.7	7.6	B3/5000		
BH (60°-80°)	1103.0	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.8	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°	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8
2.5°	5446.9	5484.7	5475.2	5465.8	5462.6	5468.9	5472.1	5468.9	5468.9	5468.9
5°	5342.9	5374.4	5374.4	5396.5	5428.0	5465.8	5494.1	5500.4	5506.7	5516.2
7.5°	5144.4	5169.6	5188.5	5261.0	5339.8	5440.6	5525.6	5569.7	5576.0	5610.7
10°	5009.0	5040.5	5072.0	5147.6	5261.0	5412.2	5557.1	5664.2	5680.0	5761.9
12.5°	5002.7	5034.2	5075.1	5157.0	5289.4	5450.0	5626.4	5780.8	5809.2	5928.9
15°	5068.8	5106.6	5144.4	5245.3	5387.0	5582.3	5771.4	5963.5	5991.9	6162.0
17.5°	5204.3	5254.7	5283.1	5383.9	5535.1	5752.5	6001.3	6221.8	6247.0	6445.5
20°	5472.1	5531.9	5541.4	5623.3	5771.4	6004.5	6300.6	6574.7	6606.2	6833.0
22.5°	6026.5	6111.6	6036.0	6076.9	6209.2	6442.4	6763.7	7110.2	7154.3	7412.7
25°	7003.1	7122.8	6927.5	6858.2	6914.9	7157.5	7560.7	7998.6	8049.0	8256.9
27.5°	8921.7	8767.3	8471.2	8181.3	8011.2	8149.8	8603.5	9145.3	9208.3	9410.0
30°	11029.2	10893.7	10493.7	9851.0	9447.8	9425.7	9844.7	10449.6	10522.0	10714.2
32.5°	13139.9	13010.7	12576.0	11785.3	11085.9	10739.4	11029.2	11700.2	11738.0	11860.9
35°	15216.0	15083.6	14648.9	13839.3	12979.2	12191.7	12135.0	12891.0	12903.6	13032.8
37.5°	17304.6	17194.3	16731.3	15937.4	15089.9	14003.1	13477.0	14018.8	14034.6	14160.6
40°	18794.7	18842.0	18523.8	17909.5	17181.7	15994.1	14982.8	15219.1	15124.6	15335.7
42.5°	20073.7	20168.2	19891.0	19582.3	19160.1	18114.2	16847.8	16806.9	16655.6	16769.1
45°	21179.5	21258.2	21009.4	20936.9	20927.5	20193.4	18886.1	18640.3	18429.3	18407.2
47.5°	21585.9	21737.1	21844.2	22086.8	22559.3	22250.6	20993.6	20612.4	20376.2	20202.9
50°	21740.2	21900.9	22266.3	22972.0	24090.4	24222.7	23091.7	22663.3	22373.4	22058.4
52.5°	21532.3	21819.0	22310.4	23498.1	25120.5	25804.1	25104.8	24729.9	24399.1	23885.6
55°	20306.8	20593.5	21598.5	23491.8	25634.0	26913.0	27007.5	26840.6	26468.8	25659.2
57.5°	17723.6	18148.9	19739.8	22691.6	25624.6	27867.6	28872.5	28992.2	28576.4	27417.1
60°	14144.9	14721.4	16661.9	20918.0	24833.8	28384.2	30507.5	31106.1	30665.0	29149.7
62.5°	9869.9	10537.8	12374.4	18139.4	23025.6	28012.5	31701.5	32807.2	32473.3	30699.7
65°	6020.2	6234.4	7715.1	14274.0	19950.9	26456.2	32070.1	33727.1	33616.9	31647.9
67.5°	4010.3	4189.9	4615.2	9788.0	15486.9	23346.9	31188.0	33566.5	33598.0	31493.6
70°	2416.3	2570.6	2847.9	5692.6	10036.9	18479.7	28456.7	31518.8	31701.5	29430.1
72.5°	995.5	1099.5	1351.5	2580.1	5198.0	11728.6	22660.1	27061.1	27486.4	24745.6
75°	563.9	617.5	793.9	1294.8	2255.6	5465.8	13725.9	19210.5	19837.5	17055.7
77.5°	374.9	400.1	513.5	838.0	1269.6	1865.0	5865.9	10008.5	11205.6	9315.4
80°	252.0	274.1	352.8	560.8	825.4	800.2	1868.1	3707.9	4561.6	3200.7
82.5°	170.1	173.3	252.0	368.6	523.0	387.5	551.3	1153.0	1449.1	926.2
85°	97.7	94.5	185.9	214.2	233.1	160.7	167.0	346.5	453.6	390.6
87.5°	12.6	18.9	72.5	56.7	31.5	34.7	34.7	59.9	88.2	94.5
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°
5465.8	0°	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8	5465.8
5472.1	2.5°	5472.1	5468.9	5459.5	5450.0	5428.0	5415.4	5421.7	5415.4	5412.2	5415.4
5513.0	5°	5513.0	5503.6	5478.4	5446.9	5402.8	5349.2	5314.6	5264.2	5216.9	5188.5
5623.3	7.5°	5623.3	5613.8	5579.2	5491.0	5349.2	5125.5	4920.8	4741.2	4605.7	4527.0
5799.7	10°	5799.7	5784.0	5730.4	5535.1	5163.3	4675.0	4268.7	3931.6	3711.1	3607.1
6007.6	12.5°	6007.6	5988.7	5894.2	5494.1	4810.5	4048.1	3487.4	3112.5	2907.7	2816.4
6247.0	15°	6253.3	6228.1	6042.3	5298.8	4297.0	3355.1	2841.6	2561.2	2428.9	2347.0
6552.6	17.5°	6558.9	6514.8	6152.5	5005.8	3739.4	2825.8	2444.6	2233.6	2117.0	2038.2
6952.7	20°	6955.9	6883.4	6240.7	4656.1	3225.9	2491.9	2176.9	2000.4	1912.2	1842.9
7519.8	22.5°	7510.3	7406.4	6347.9	4278.1	2863.6	2261.9	1978.4	1849.2	1776.8	1698.0
8310.5	25°	8197.1	8074.2	6480.2	3928.4	2614.8	2063.4	1833.5	1726.4	1641.3	1549.9
9346.9	27.5°	9157.9	8937.4	6637.7	3641.7	2400.5	1893.3	1701.2	1581.5	1483.8	1408.2
10522.0	30°	10229.0	9866.7	6776.3	3468.5	2205.2	1735.8	1527.9	1408.2	1316.8	1263.3
11577.4	32.5°	11243.4	10752.0	6867.7	3392.9	2028.8	1556.2	1338.9	1209.7	1140.4	1124.7
12610.7	35°	12201.1	11552.2	6858.2	3320.4	1871.3	1376.7	1153.0	1020.7	967.1	976.6
13722.7	37.5°	13303.7	12405.9	6792.1	3207.0	1742.1	1212.9	992.3	875.8	828.5	831.7
15074.2	40°	14585.9	13391.9	6751.1	2992.8	1600.4	1061.7	860.0	765.5	730.9	718.3
16498.1	42.5°	15953.1	14346.5	6757.4	2750.2	1423.9	926.2	768.7	689.9	658.4	649.0
18082.7	45°	17326.7	15256.9	6766.8	2498.2	1238.1	822.2	702.5	636.4	617.5	604.9
19689.4	47.5°	18618.3	16031.9	6590.4	2227.3	1055.4	743.5	649.0	604.9	589.1	573.4
21302.3	50°	19821.7	16548.5	6165.1	1912.2	910.4	680.5	608.0	576.5	560.8	545.0
22764.1	52.5°	20757.3	16630.4	5462.6	1587.8	809.6	633.2	582.8	554.5	535.6	519.8
23945.4	55°	21173.2	16116.9	4464.0	1285.3	730.9	592.3	557.6	529.3	507.2	491.4
24874.8	57.5°	21066.1	15036.4	3481.1	1033.3	655.3	551.3	526.1	507.2	482.0	456.8
25627.7	60°	20540.0	13590.4	2624.2	860.0	586.0	507.2	491.4	475.7	441.0	403.2
25917.5	62.5°	19629.5	11772.7	1871.3	712.0	510.3	456.8	450.5	437.9	387.5	318.2
25489.1	65°	18237.1	9564.3	1260.1	592.3	437.9	400.1	403.2	381.2	315.0	236.3
23920.2	67.5°	16202.0	6993.7	806.5	485.1	365.4	333.9	337.1	324.5	267.8	201.6
20946.4	70°	13609.3	4630.9	526.1	368.6	293.0	258.3	277.2	280.4	226.8	163.8
16076.0	72.5°	9977.0	2734.5	368.6	274.1	214.2	179.6	226.8	233.1	182.7	122.9
9671.4	75°	5686.3	1297.9	277.2	198.5	132.3	126.0	176.4	176.4	126.0	81.9
4186.8	77.5°	2387.9	541.9	195.3	129.2	75.6	72.5	119.7	110.3	63.0	37.8
1020.7	80°	689.9	242.6	104.0	63.0	31.5	28.4	47.3	34.7	15.8	6.3
387.5	82.5°	270.9	107.1	41.0	25.2	12.6	12.6	6.3	0.0	0.0	0.0
220.5	85°	160.7	44.1	18.9	9.5	3.2	0.0	0.0	0.0	0.0	0.0
47.3	87.5°	41.0	9.5	6.3	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°
5465.8
5428.0
5194.8
4530.1
3597.6
2806.9
2350.1
2031.9
1830.3
1685.4
1540.5
1392.4
1253.8
1134.1
976.6
844.3
715.1
645.8
604.9
573.4
545.0
516.6
488.3
453.6
396.9
311.9
230.0
192.2
157.5
116.6
75.6
37.8
6.3
0.0
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