

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: P850827

Luminaire Tested: **GLAN-SB8C-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850827
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-SB8C-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 615mA 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: 46606 lumens
Efficiency: N/A
Efficacy: 116.6 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

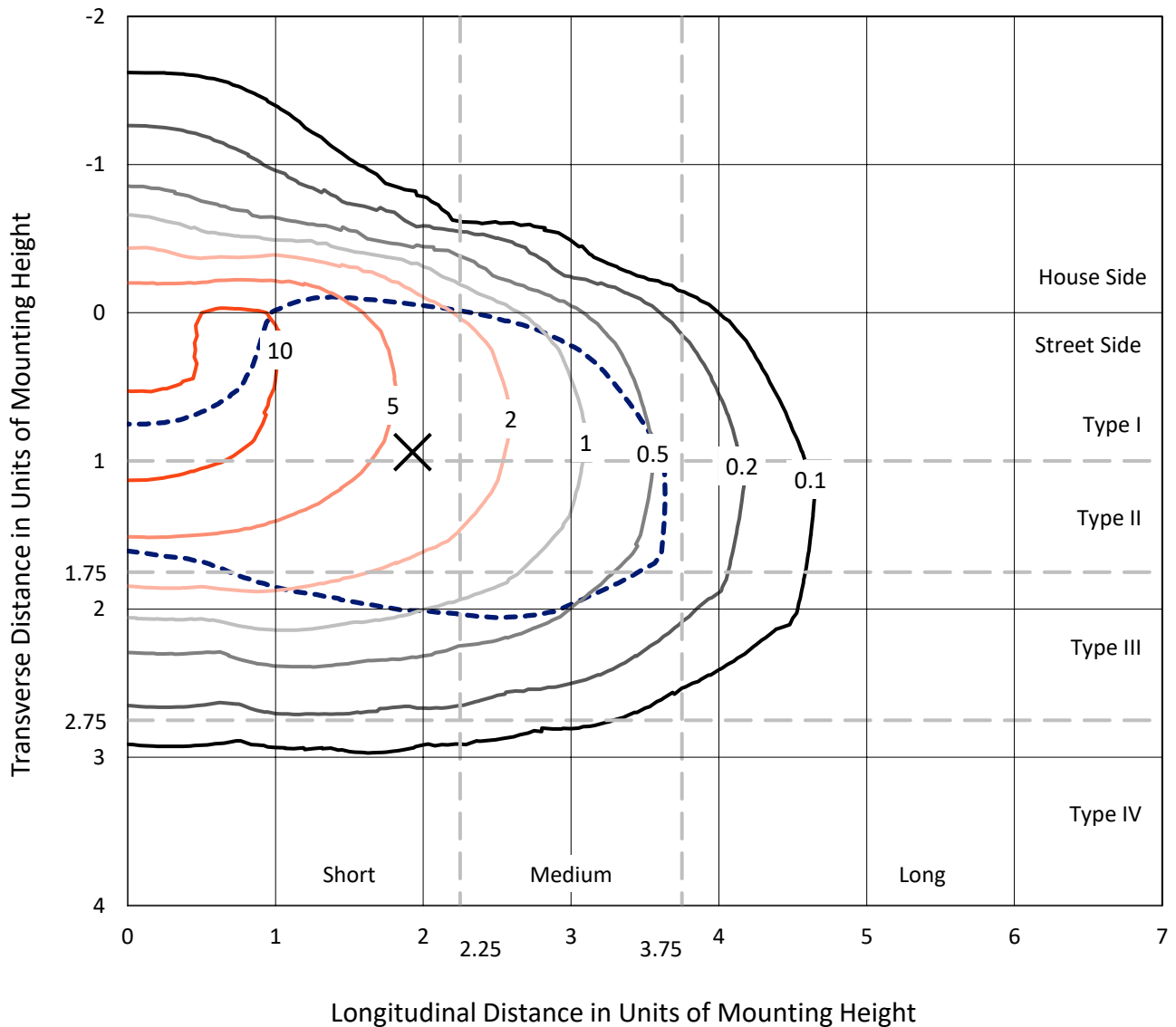
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

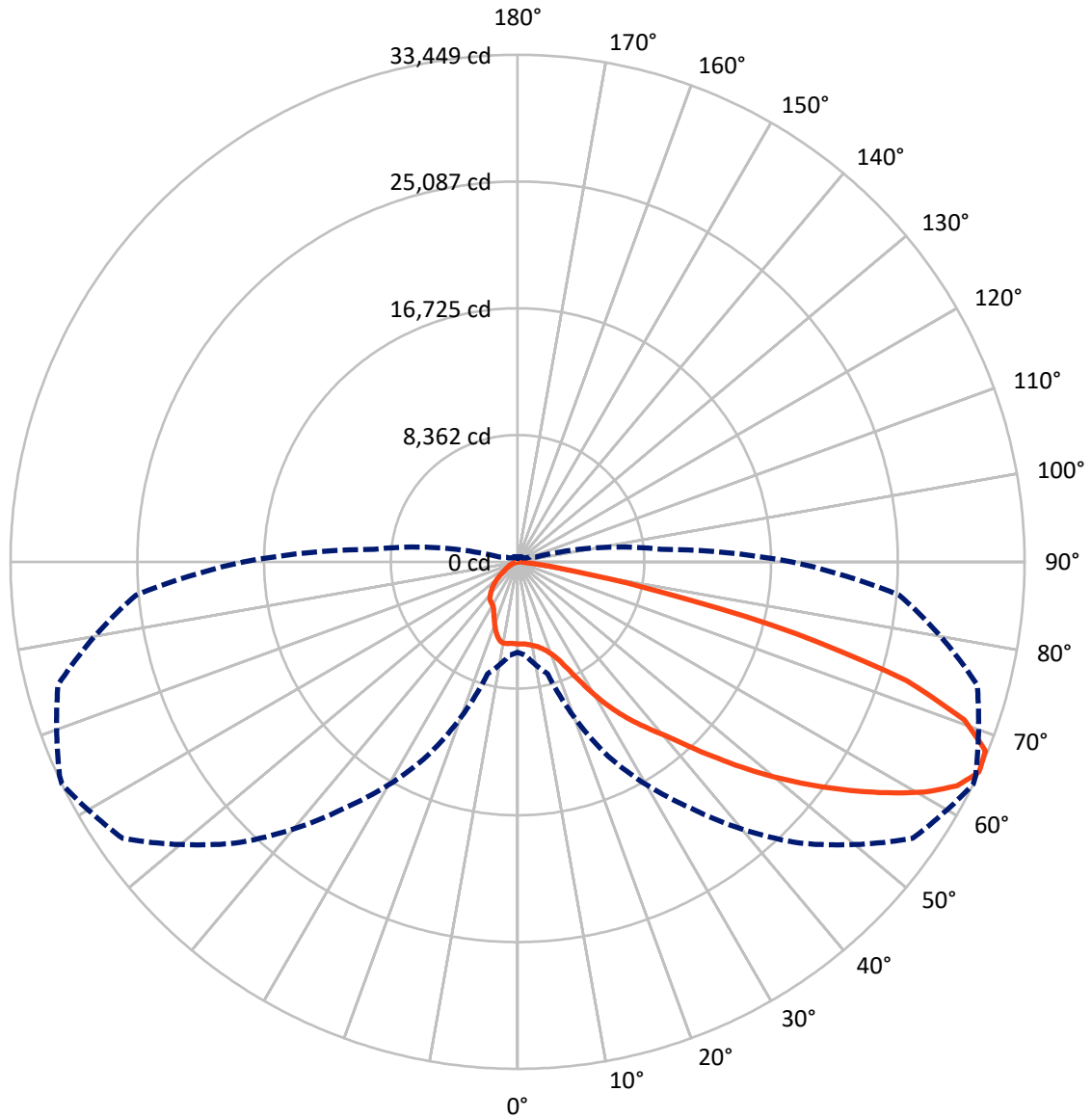
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	6232.6	0.0	6232.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	40373.4	0.0	40373.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	46606.0	0.0	46606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.1	1.1
10°-20°	1356.5	2.9
20°-30°	2570.4	5.5
30°-40°	5201.3	11.2
40°-50°	8860.4	19.0
50°-60°	12049.4	25.9
60°-70°	11315.0	24.3
70°-80°	4533.3	9.7
80°-90°	219.6	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°	46606.0	100.0
0°-180°	46606.0	100.0

Coefficient of Utilization



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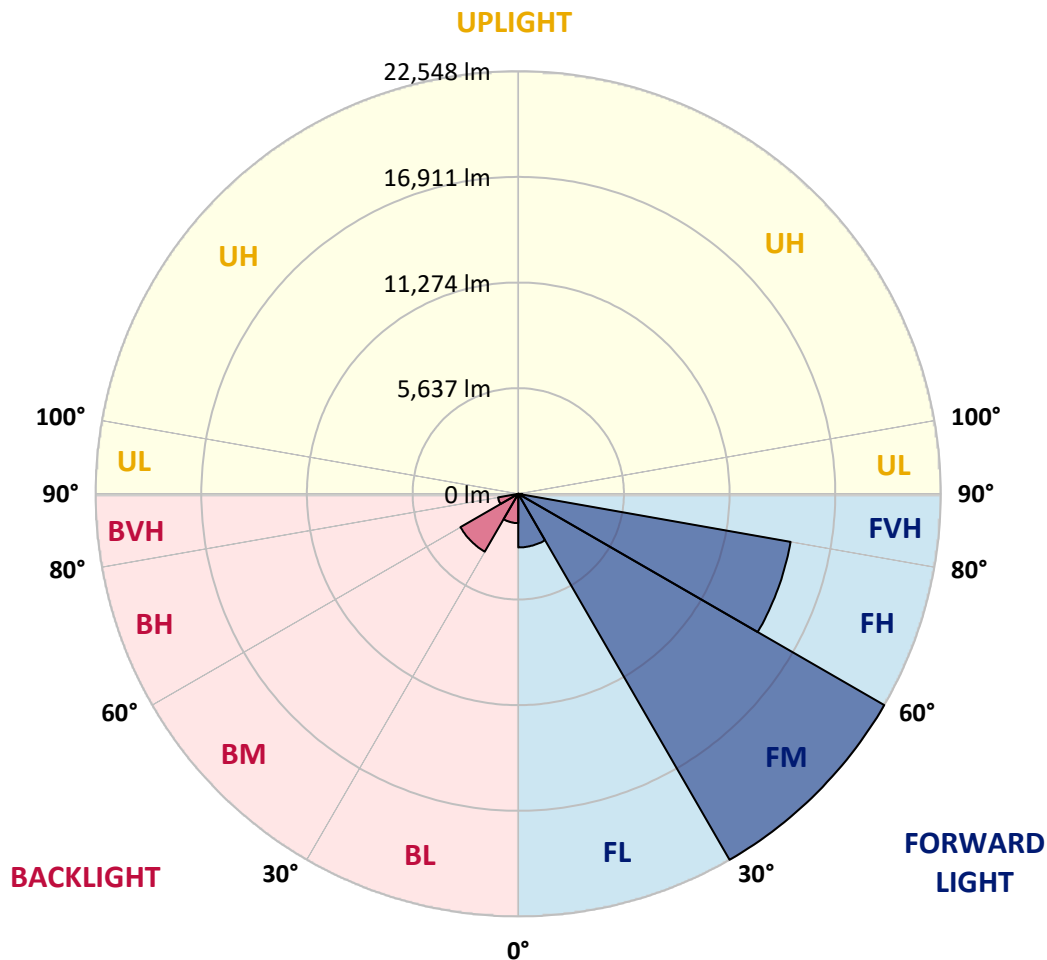
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2862.1	6.1			
FM (30°-60°)	22547.9	48.4			
FH (60°-80°)	14754.4	31.7			G5
FVH (80°-90°)	208.9	0.4			G2/225
BL (0°-30°)	1564.8	3.4	B3/2500		
BM (30°-60°)	3563.2	7.6	B3/5000		
BH (60°-80°)	1093.9	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.7	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°	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8
2.5°	5402.0	5439.5	5430.1	5420.8	5417.6	5423.9	5427.0	5423.9	5423.9	5423.9
5°	5298.9	5330.2	5330.2	5352.0	5383.3	5420.8	5448.9	5455.1	5461.4	5470.8
7.5°	5102.1	5127.1	5145.8	5217.7	5295.8	5395.8	5480.1	5523.9	5530.1	5564.5
10°	4967.7	4999.0	5030.2	5105.2	5217.7	5367.6	5511.4	5617.6	5633.2	5714.5
12.5°	4961.5	4992.7	5033.3	5114.6	5245.8	5405.1	5580.1	5733.2	5761.3	5880.0
15°	5027.1	5064.6	5102.1	5202.1	5342.7	5536.4	5723.8	5914.4	5942.5	6111.2
17.5°	5161.4	5211.4	5239.5	5339.5	5489.5	5705.1	5951.9	6170.6	6195.6	6392.4
20°	5427.0	5486.4	5495.7	5577.0	5723.8	5955.0	6248.7	6520.5	6551.8	6776.7
22.5°	5976.9	6061.3	5986.3	6026.9	6158.1	6389.3	6708.0	7051.7	7095.4	7351.6
25°	6945.4	7064.2	6870.5	6801.7	6858.0	7098.5	7498.5	7932.7	7982.7	8188.9
27.5°	8848.2	8695.1	8401.4	8114.0	7945.2	8082.7	8532.6	9070.0	9132.5	9332.5
30°	10938.4	10804.0	10407.2	9769.9	9370.0	9348.1	9763.6	10363.5	10435.4	10625.9
32.5°	13031.7	12903.6	12472.4	11688.2	10994.6	10650.9	10938.4	11603.9	11641.4	11763.2
35°	15090.7	14959.4	14528.3	13725.3	12872.4	12091.3	12035.0	12784.9	12797.4	12925.5
37.5°	17162.1	17052.7	16593.5	15806.1	14965.7	13887.8	13366.0	13903.4	13919.0	14044.0
40°	18639.9	18686.8	18371.2	17762.0	17040.3	15862.4	14859.4	15093.8	15000.0	15209.4
42.5°	19908.4	20002.1	19727.2	19421.0	19002.3	17965.1	16709.1	16668.5	16518.5	16631.0
45°	21005.1	21083.2	20836.3	20764.5	20755.1	20027.1	18730.5	18486.8	18277.5	18255.6
47.5°	21408.1	21558.1	21664.3	21904.9	22373.5	22067.3	20820.7	20442.7	20208.3	20036.5
50°	21561.2	21720.5	22083.0	22782.8	23892.0	24023.2	22901.5	22476.6	22189.2	21876.8
52.5°	21355.0	21639.3	22126.7	23304.6	24913.6	25591.6	24898.0	24526.2	24198.2	23688.9
55°	20139.6	20423.9	21420.6	23298.3	25422.9	26691.4	26785.1	26619.5	26250.9	25447.9
57.5°	17577.6	17999.4	19577.2	22504.8	25413.5	27638.1	28634.7	28753.5	28341.1	27191.3
60°	14028.4	14600.1	16524.7	20745.7	24629.3	28150.5	30256.3	30849.9	30412.5	28909.7
62.5°	9788.6	10451.0	12272.5	17990.1	22835.9	27781.8	31440.4	32537.1	32205.9	30446.9
65°	5970.6	6183.1	7651.6	14156.5	19786.6	26238.4	31806.0	33449.4	33340.0	31387.3
67.5°	3977.3	4155.4	4577.2	9707.4	15359.3	23154.6	30931.1	33290.0	33321.3	31234.2
70°	2396.4	2549.5	2824.4	5645.7	9954.2	18327.5	28222.3	31259.2	31440.4	29187.8
72.5°	987.3	1090.4	1340.3	2558.8	5155.2	11632.0	22473.5	26838.2	27260.0	24541.8
75°	559.3	612.4	787.3	1284.1	2237.0	5420.8	13612.8	19052.3	19674.1	16915.3
77.5°	371.8	396.8	509.3	831.1	1259.1	1849.6	5817.6	9926.1	11113.3	9238.7
80°	249.9	271.8	349.9	556.1	818.6	793.6	1852.7	3677.4	4524.1	3174.3
82.5°	168.7	171.8	249.9	365.5	518.6	384.3	546.8	1143.5	1437.2	918.6
85°	96.9	93.7	184.3	212.5	231.2	159.3	165.6	343.7	449.9	387.4
87.5°	12.5	18.7	71.9	56.2	31.2	34.4	34.4	59.4	87.5	93.7
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°
5420.8	0°	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8	5420.8
5427.0	2.5°	5427.0	5423.9	5414.5	5405.1	5383.3	5370.8	5377.0	5370.8	5367.6	5370.8
5467.6	5°	5467.6	5458.3	5433.3	5402.0	5358.3	5305.2	5270.8	5220.8	5173.9	5145.8
5577.0	7.5°	5577.0	5567.6	5533.2	5445.8	5305.2	5083.3	4880.2	4702.2	4567.8	4489.7
5751.9	10°	5751.9	5736.3	5683.2	5489.5	5120.8	4636.5	4233.5	3899.2	3680.5	3577.4
5958.2	12.5°	5958.2	5939.4	5845.7	5448.9	4770.9	4014.8	3458.7	3086.9	2883.8	2793.2
6195.6	15°	6201.9	6176.9	5992.5	5255.2	4261.6	3327.4	2818.2	2540.1	2408.9	2327.6
6498.7	17.5°	6504.9	6461.2	6101.9	4964.6	3708.6	2802.5	2424.5	2215.2	2099.6	2021.5
6895.5	20°	6898.6	6826.7	6189.4	4617.8	3199.3	2471.4	2158.9	1984.0	1896.5	1827.7
7457.8	22.5°	7448.5	7345.4	6295.6	4242.9	2840.0	2243.3	1962.1	1834.0	1762.1	1684.0
8242.1	25°	8129.6	8007.7	6426.8	3896.1	2593.2	2046.5	1818.4	1712.1	1627.8	1537.2
9270.0	27.5°	9082.5	8863.8	6583.0	3611.8	2380.8	1877.7	1687.2	1568.4	1471.6	1396.6
10435.4	30°	10144.8	9785.5	6720.5	3439.9	2187.1	1721.5	1515.3	1396.6	1306.0	1252.9
11482.0	32.5°	11150.8	10663.4	6811.1	3364.9	2012.1	1543.4	1327.9	1199.8	1131.0	1115.4
12506.8	35°	12100.6	11457.0	6801.7	3293.1	1855.9	1365.3	1143.5	1012.3	959.2	968.6
13609.7	37.5°	13194.2	12303.7	6736.1	3180.6	1727.8	1202.9	984.2	868.6	821.7	824.8
14950.1	40°	14465.8	13281.6	6695.5	2968.1	1587.2	1052.9	852.9	759.2	724.9	712.4
16362.3	42.5°	15821.8	14228.3	6701.7	2727.6	1412.2	918.6	762.3	684.2	653.0	643.6
17933.8	45°	17184.0	15131.3	6711.1	2477.6	1227.9	815.5	696.7	631.1	612.4	599.9
19527.2	47.5°	18465.0	15899.9	6536.2	2208.9	1046.7	737.3	643.6	599.9	584.3	568.6
21126.9	50°	19658.5	16412.3	6114.4	1896.5	902.9	674.9	603.0	571.8	556.1	540.5
22576.6	52.5°	20586.4	16493.5	5417.6	1574.7	803.0	628.0	578.0	549.9	531.1	515.5
23748.2	55°	20998.8	15984.2	4427.2	1274.7	724.9	587.4	553.0	524.9	503.0	487.4
24669.9	57.5°	20892.6	14912.6	3452.4	1024.8	649.9	546.8	521.8	503.0	478.0	453.0
25416.7	60°	20370.8	13478.5	2602.6	852.9	581.1	503.0	487.4	471.8	437.4	399.9
25704.1	62.5°	19467.9	11675.7	1855.9	706.1	506.1	453.0	446.8	434.3	384.3	315.6
25279.2	65°	18086.9	9485.6	1249.7	587.4	434.3	396.8	399.9	378.0	312.4	234.3
23723.3	67.5°	16068.6	6936.1	799.8	481.2	362.4	331.2	334.3	321.8	265.6	200.0
20773.9	70°	13497.2	4592.8	521.8	365.5	290.6	256.2	274.9	278.1	225.0	162.5
15943.6	72.5°	9894.8	2711.9	365.5	271.8	212.5	178.1	225.0	231.2	181.2	121.8
9591.8	75°	5639.5	1287.2	274.9	196.8	131.2	125.0	175.0	175.0	125.0	81.2
4152.3	77.5°	2368.3	537.4	193.7	128.1	75.0	71.9	118.7	109.4	62.5	37.5
1012.3	80°	684.2	240.6	103.1	62.5	31.2	28.1	46.9	34.4	15.6	6.2
384.3	82.5°	268.7	106.2	40.6	25.0	12.5	12.5	6.2	0.0	0.0	0.0
218.7	85°	159.3	43.7	18.7	9.4	3.1	0.0	0.0	0.0	0.0	0.0
46.9	87.5°	40.6	9.4	6.2	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°
5420.8
5383.3
5152.1
4492.8
3568.0
2783.8
2330.8
2015.2
1815.3
1671.5
1527.8
1381.0
1243.5
1124.8
968.6
837.3
709.2
640.5
599.9
568.6
540.5
512.4
484.3
449.9
393.7
309.3
228.1
190.6
156.2
115.6
75.0
37.5
6.2
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