

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: P851057

Luminaire Tested: **GLAN-SB8D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851057
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-SB8D-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 53433 lumens
Efficiency: N/A
Efficacy: 91.4 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

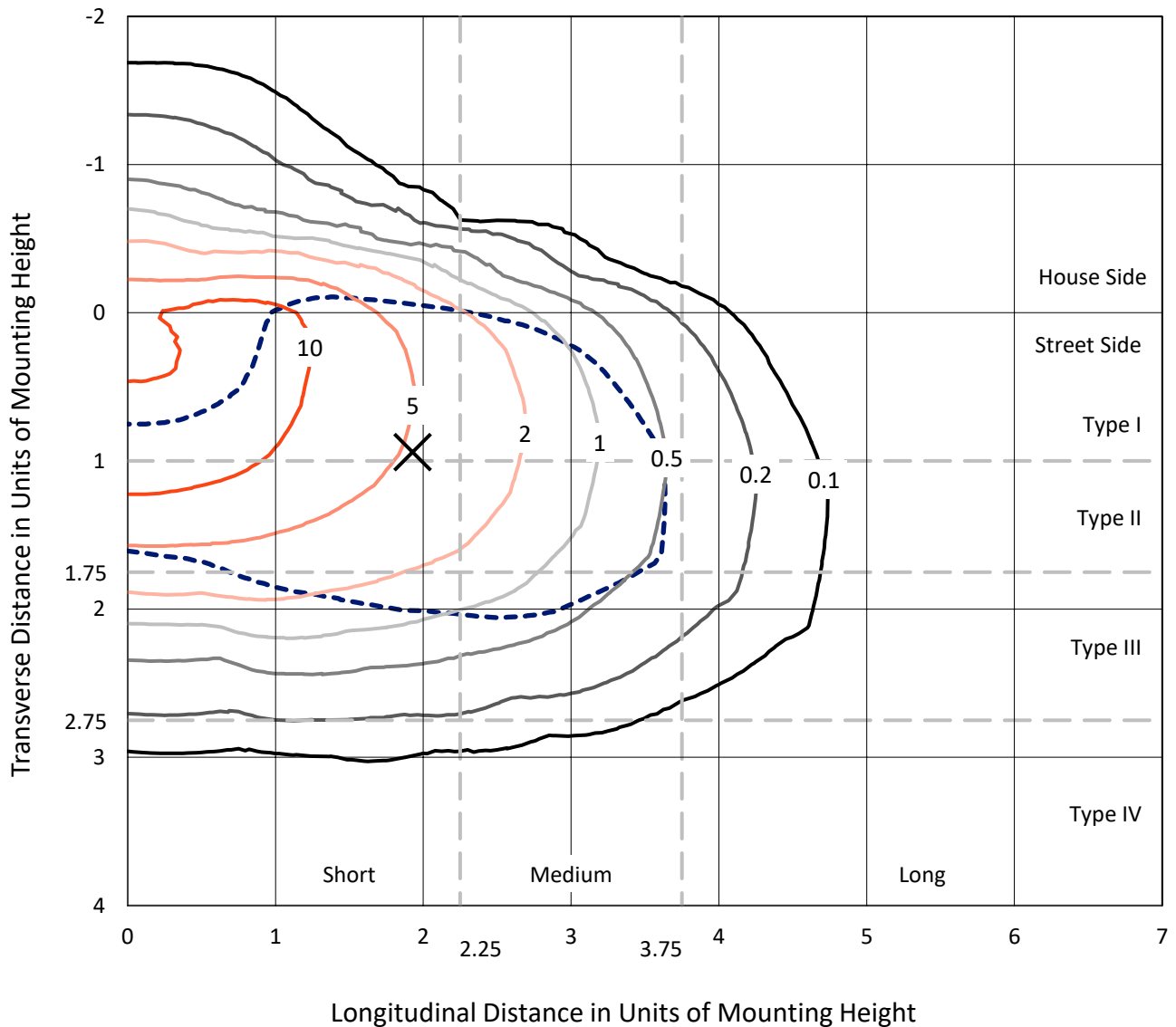
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

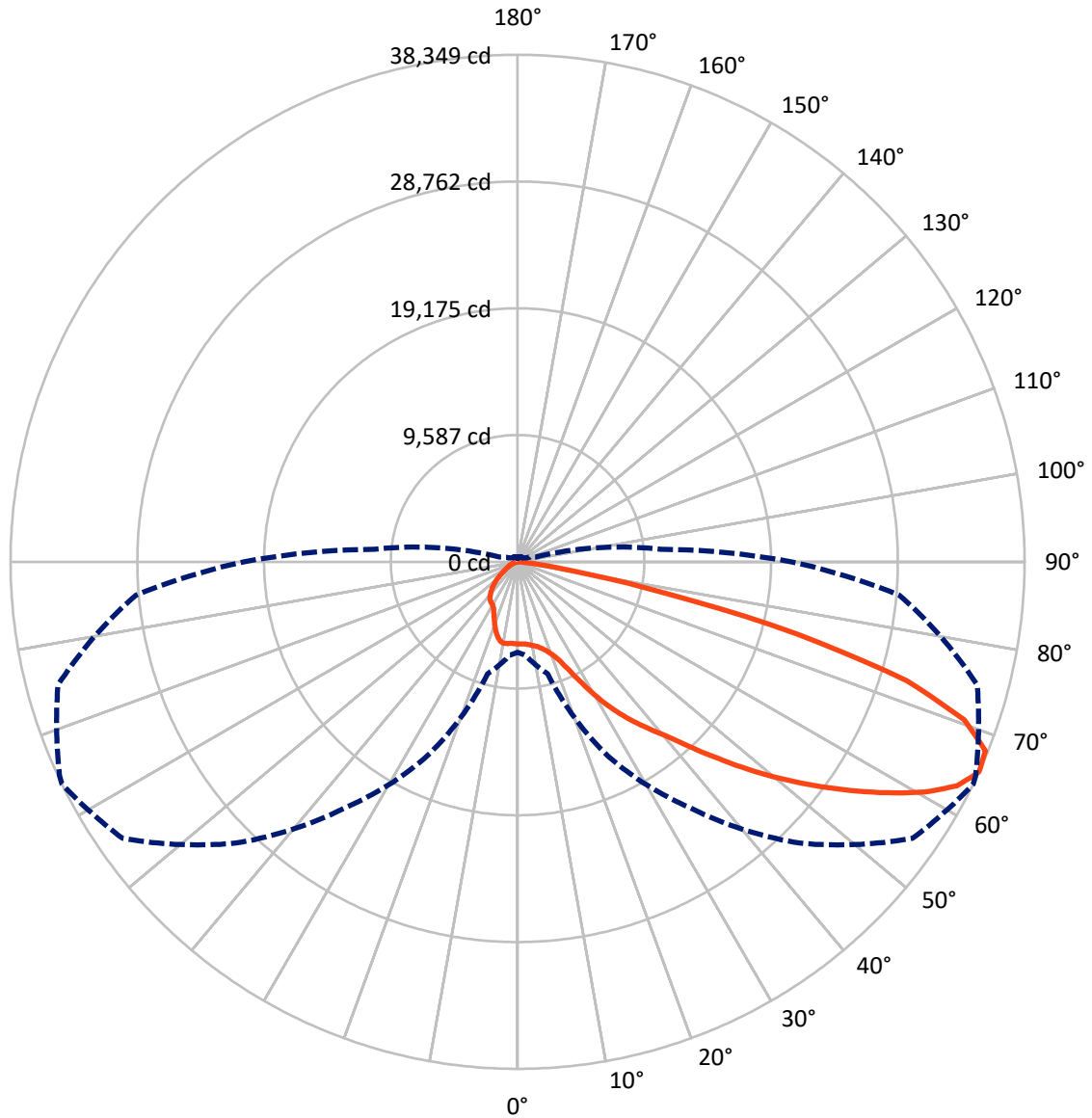
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 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	7145.6	0.0	7145.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	46287.4	0.0	46287.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	53433.0	0.0	53433.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.4	1.1
10°-20°	1555.2	2.9
20°-30°	2946.9	5.5
30°-40°	5963.2	11.2
40°-50°	10158.3	19.0
50°-60°	13814.5	25.9
60°-70°	12972.5	24.3
70°-80°	5197.3	9.7
80°-90°	251.8	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°	53433.0	100.0
0°-180°	53433.0	100.0

Coefficient of Utilization



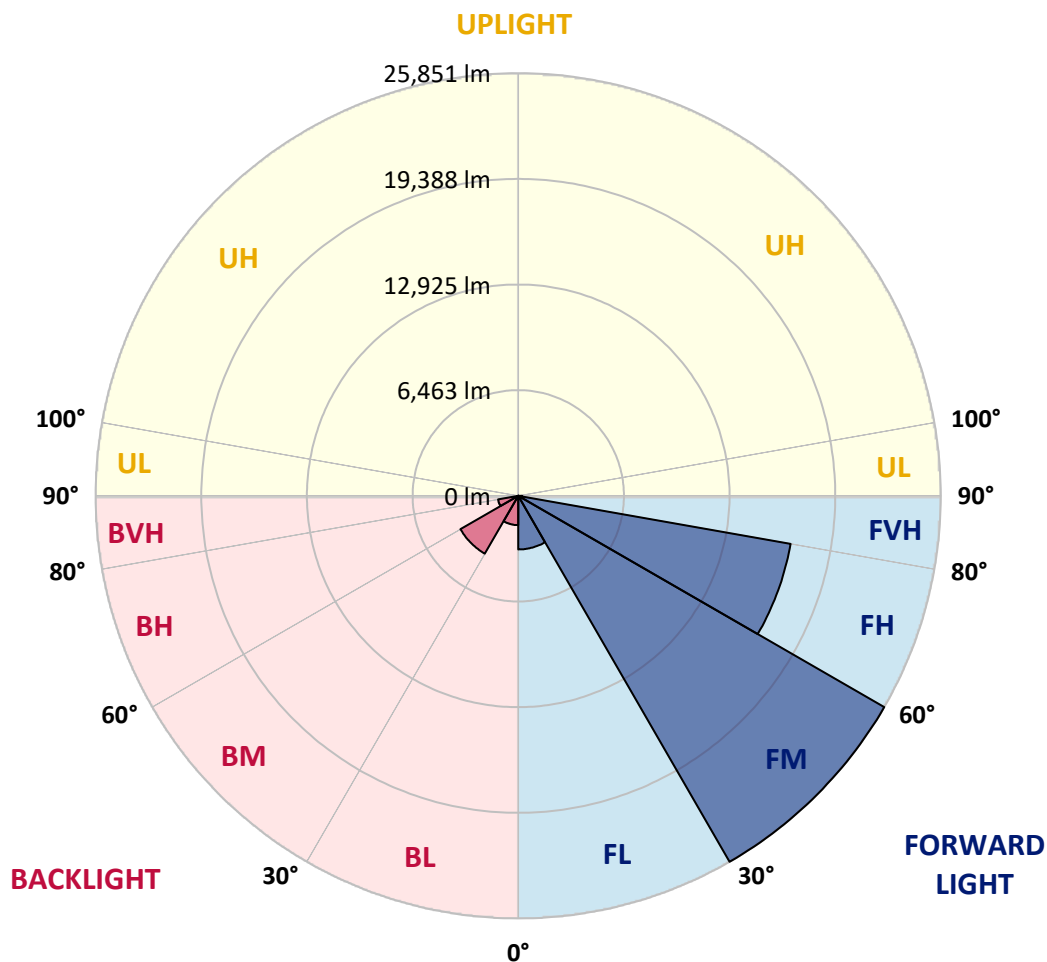
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3281.4	6.1			
FM (30°-60°)	25850.8	48.4			
FH (60°-80°)	16915.7	31.7			G5
FVH (80°-90°)	239.5	0.4			G3/500
BL (0°-30°)	1794.1	3.4	B3/2500		
BM (30°-60°)	4085.1	7.6	B3/5000		
BH (60°-80°)	1254.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	12.3	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°	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8
2.5°	6193.3	6236.3	6225.6	6214.8	6211.2	6218.4	6222.0	6218.4	6218.4	6218.4
5°	6075.1	6110.9	6110.9	6136.0	6171.8	6214.8	6247.1	6254.2	6261.4	6272.1
7.5°	5849.4	5878.1	5899.6	5982.0	6071.5	6186.2	6282.9	6333.0	6340.2	6379.6
10°	5695.4	5731.2	5767.1	5853.0	5982.0	6153.9	6318.7	6440.5	6458.4	6551.5
12.5°	5688.3	5724.1	5770.6	5863.8	6014.2	6196.9	6397.5	6573.0	6605.3	6741.4
15°	5763.5	5806.5	5849.4	5964.1	6125.3	6347.3	6562.3	6780.8	6813.0	7006.4
17.5°	5917.5	5974.8	6007.1	6121.7	6293.6	6540.8	6823.8	7074.5	7103.2	7328.8
20°	6222.0	6290.0	6300.8	6393.9	6562.3	6827.3	7164.0	7475.7	7511.5	7769.4
22.5°	6852.4	6949.1	6863.2	6909.7	7060.2	7325.2	7690.6	8084.6	8134.8	8428.5
25°	7962.8	8099.0	7876.9	7798.1	7862.5	8138.4	8596.9	9094.8	9152.1	9388.5
27.5°	10144.3	9968.8	9632.1	9302.5	9109.1	9266.7	9782.5	10398.6	10470.3	10699.5
30°	12540.7	12386.6	11931.7	11201.0	10742.5	10717.4	11193.8	11881.6	11964.0	12182.5
32.5°	14940.6	14793.8	14299.4	13400.4	12605.1	12211.1	12540.7	13303.6	13346.6	13486.3
35°	17301.2	17150.7	16656.4	15735.8	14757.9	13862.4	13798.0	14657.6	14672.0	14818.8
37.5°	19676.1	19550.7	19024.1	18121.5	17157.9	15922.1	15323.9	15940.0	15957.9	16101.2
40°	21370.4	21424.1	21062.3	20363.8	19536.4	18185.9	17036.1	17304.8	17197.3	17437.3
42.5°	22824.7	22932.1	22616.9	22265.9	21785.9	20596.6	19156.7	19110.1	18938.2	19067.1
45°	24082.0	24171.5	23888.5	23806.1	23795.4	22960.8	21474.2	21194.8	20954.8	20929.8
47.5°	24544.0	24716.0	24837.8	25113.6	25650.9	25299.8	23870.6	23437.2	23168.5	22971.5
50°	24719.6	24902.2	25317.8	26120.1	27391.7	27542.2	26256.2	25769.1	25439.5	25081.3
52.5°	24483.1	24809.1	25367.9	26718.3	28563.1	29340.4	28545.2	28118.9	27742.8	27158.9
55°	23089.7	23415.7	24558.4	26711.2	29146.9	30601.2	30708.7	30518.8	30096.2	29175.6
57.5°	20152.5	20636.0	22445.0	25801.3	29136.2	31686.6	32829.3	32965.4	32492.5	31174.4
60°	16083.3	16738.8	18945.3	23784.6	28237.1	32274.0	34688.3	35368.9	34867.4	33144.5
62.5°	11222.5	11981.9	14070.2	20625.3	26181.0	31851.4	36045.9	37303.2	36923.5	34906.8
65°	6845.2	7088.8	8772.4	16230.2	22685.0	30081.8	36465.0	38349.2	38223.8	35985.0
67.5°	4559.9	4764.1	5247.7	11129.4	17609.2	26546.4	35462.0	38166.5	38202.3	35809.5
70°	2747.4	2922.9	3238.2	6472.7	11412.3	21012.2	32356.4	35838.2	36045.9	33463.3
72.5°	1131.9	1250.1	1536.7	2933.7	5910.3	13335.9	25765.5	30769.6	31253.2	28136.8
75°	641.2	702.1	902.7	1472.2	2564.7	6214.8	15606.9	21843.2	22556.0	19393.1
77.5°	426.3	454.9	583.9	952.8	1443.6	2120.6	6669.7	11380.1	12741.3	10592.0
80°	286.6	311.6	401.2	637.6	938.5	909.8	2124.1	4216.0	5186.8	3639.3
82.5°	193.4	197.0	286.6	419.1	594.6	440.6	626.9	1311.0	1647.7	1053.1
85°	111.0	107.5	211.3	243.6	265.1	182.7	189.8	394.0	515.8	444.2
87.5°	14.3	21.5	82.4	64.5	35.8	39.4	39.4	68.1	100.3	107.5
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°
6214.8	0°	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8
6222.0	2.5°	6222.0	6218.4	6207.6	6196.9	6171.8	6157.5	6164.7	6157.5	6153.9	6157.5
6268.5	5°	6268.5	6257.8	6229.1	6193.3	6143.2	6082.3	6042.9	5985.6	5931.8	5899.6
6393.9	7.5°	6393.9	6383.2	6343.8	6243.5	6082.3	5828.0	5595.1	5390.9	5236.9	5147.4
6594.5	10°	6594.5	6576.6	6515.7	6293.6	5870.9	5315.7	4853.6	4470.4	4219.6	4101.4
6830.9	12.5°	6830.9	6809.4	6702.0	6247.1	5469.8	4602.9	3965.3	3539.0	3306.2	3202.3
7103.2	15°	7110.3	7081.7	6870.3	6025.0	4885.9	3814.9	3231.0	2912.2	2761.7	2668.6
7450.6	17.5°	7457.8	7407.6	6995.7	5691.8	4251.9	3213.1	2779.7	2539.7	2407.1	2317.6
7905.5	20°	7909.1	7826.7	7096.0	5294.2	3668.0	2833.4	2475.2	2274.6	2174.3	2095.5
8550.3	22.5°	8539.5	8421.3	7217.8	4864.4	3256.1	2571.9	2249.5	2102.6	2020.3	1930.7
9449.4	25°	9320.4	9180.7	7368.2	4466.8	2973.1	2346.2	2084.7	1962.9	1866.2	1762.4
10627.9	27.5°	10412.9	10162.2	7547.3	4140.8	2729.5	2152.8	1934.3	1798.2	1687.1	1601.2
11964.0	30°	11630.8	11218.9	7704.9	3943.8	2507.4	1973.7	1737.3	1601.2	1497.3	1436.4
13163.9	32.5°	12784.2	12225.5	7808.8	3857.8	2306.8	1769.5	1522.4	1375.5	1296.7	1278.8
14338.8	35°	13873.2	13135.3	7798.1	3775.5	2127.7	1565.3	1311.0	1160.6	1099.7	1110.4
15603.3	37.5°	15126.9	14106.0	7722.8	3646.5	1980.9	1379.1	1128.3	995.8	942.1	945.7
17140.0	40°	16584.8	15227.2	7676.3	3402.9	1819.7	1207.1	977.9	870.4	831.0	816.7
18759.1	42.5°	18139.4	16312.5	7683.4	3127.1	1619.1	1053.1	874.0	784.5	748.6	737.9
20560.8	45°	19701.1	17347.7	7694.2	2840.5	1407.7	934.9	798.8	723.6	702.1	687.7
22387.7	47.5°	21169.8	18228.9	7493.6	2532.5	1200.0	845.4	737.9	687.7	669.8	651.9
24221.7	50°	22538.1	18816.4	7010.0	2174.3	1035.2	773.7	691.3	655.5	637.6	619.7
25883.7	52.5°	23602.0	18909.5	6211.2	1805.3	920.6	720.0	662.7	630.4	608.9	591.0
27227.0	55°	24074.8	18325.6	5075.7	1461.5	831.0	673.4	634.0	601.8	576.7	558.8
28283.7	57.5°	23953.0	17097.0	3958.1	1174.9	745.1	626.9	598.2	576.7	548.0	519.4
29139.8	60°	23354.8	15452.9	2983.8	977.9	666.3	576.7	558.8	540.9	501.5	458.5
29469.3	62.5°	22319.6	13386.0	2127.7	809.5	580.3	519.4	512.2	497.9	440.6	361.8
28982.2	65°	20736.3	10875.0	1432.8	673.4	497.9	454.9	458.5	433.4	358.2	268.7
27198.3	67.5°	18422.4	7952.1	917.0	551.6	415.5	379.7	383.3	368.9	304.5	229.2
23816.9	70°	15474.3	5265.6	598.2	419.1	333.1	293.7	315.2	318.8	257.9	186.3
18279.1	72.5°	11344.3	3109.2	419.1	311.6	243.6	204.2	257.9	265.1	207.8	139.7
10996.8	75°	6465.6	1475.8	315.2	225.7	150.4	143.3	200.6	200.6	143.3	93.1
4760.5	77.5°	2715.2	616.1	222.1	146.9	86.0	82.4	136.1	125.4	71.6	43.0
1160.6	80°	784.5	275.8	118.2	71.6	35.8	32.2	53.7	39.4	17.9	7.2
440.6	82.5°	308.1	121.8	46.6	28.7	14.3	14.3	7.2	0.0	0.0	0.0
250.7	85°	182.7	50.1	21.5	10.7	3.6	0.0	0.0	0.0	0.0	0.0
53.7	87.5°	46.6	10.7	7.2	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°
6214.8
6171.8
5906.8
5151.0
4090.7
3191.6
2672.2
2310.4
2081.2
1916.4
1751.6
1583.3
1425.6
1289.5
1110.4
960.0
813.1
734.3
687.7
651.9
619.7
587.5
555.2
515.8
451.3
354.6
261.5
218.5
179.1
132.5
86.0
43.0
7.2
0.0
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