

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: P850747

Luminaire Tested: **GLAN-SB8B-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850747
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-SB8B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA 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: 22997 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

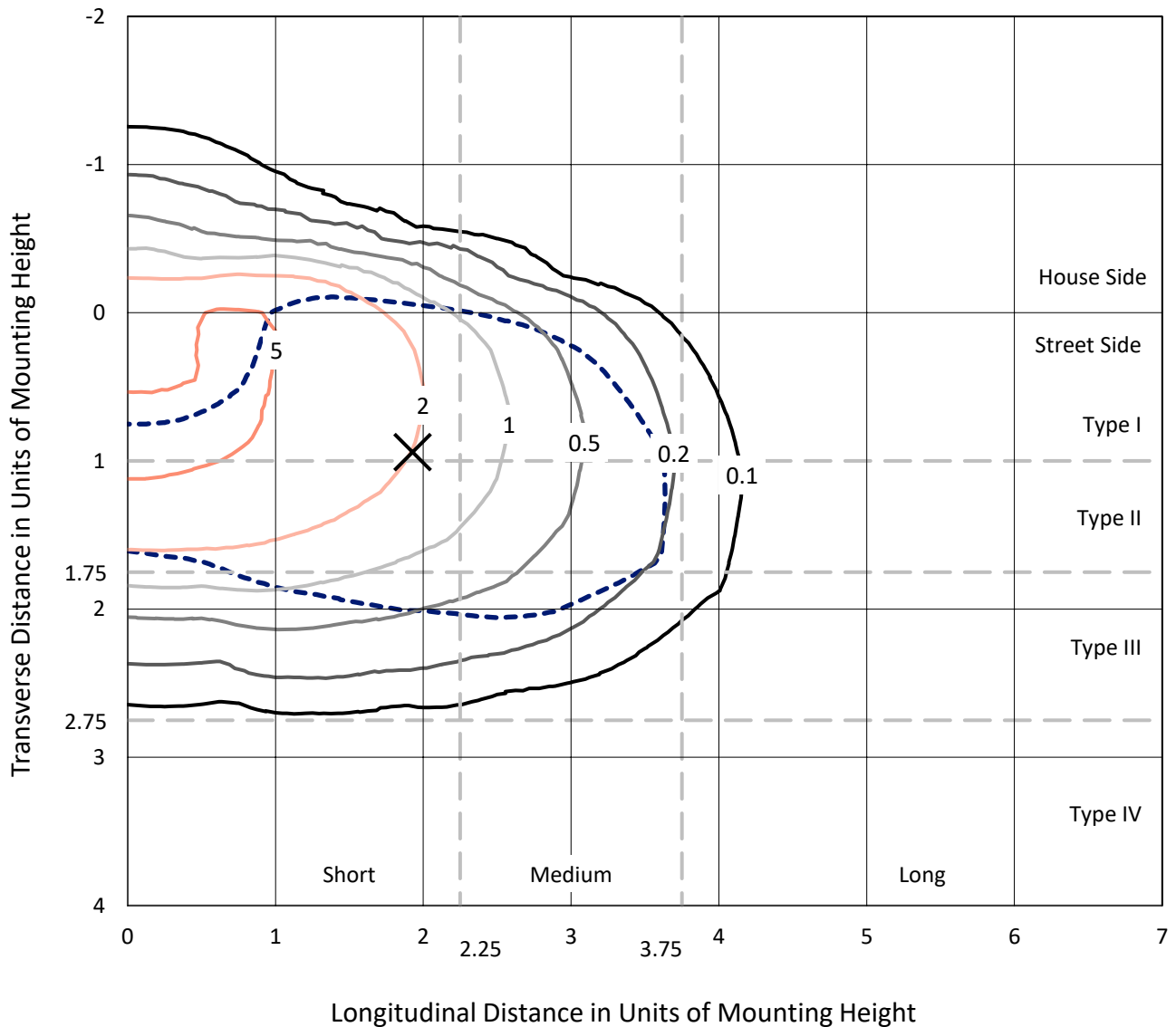
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

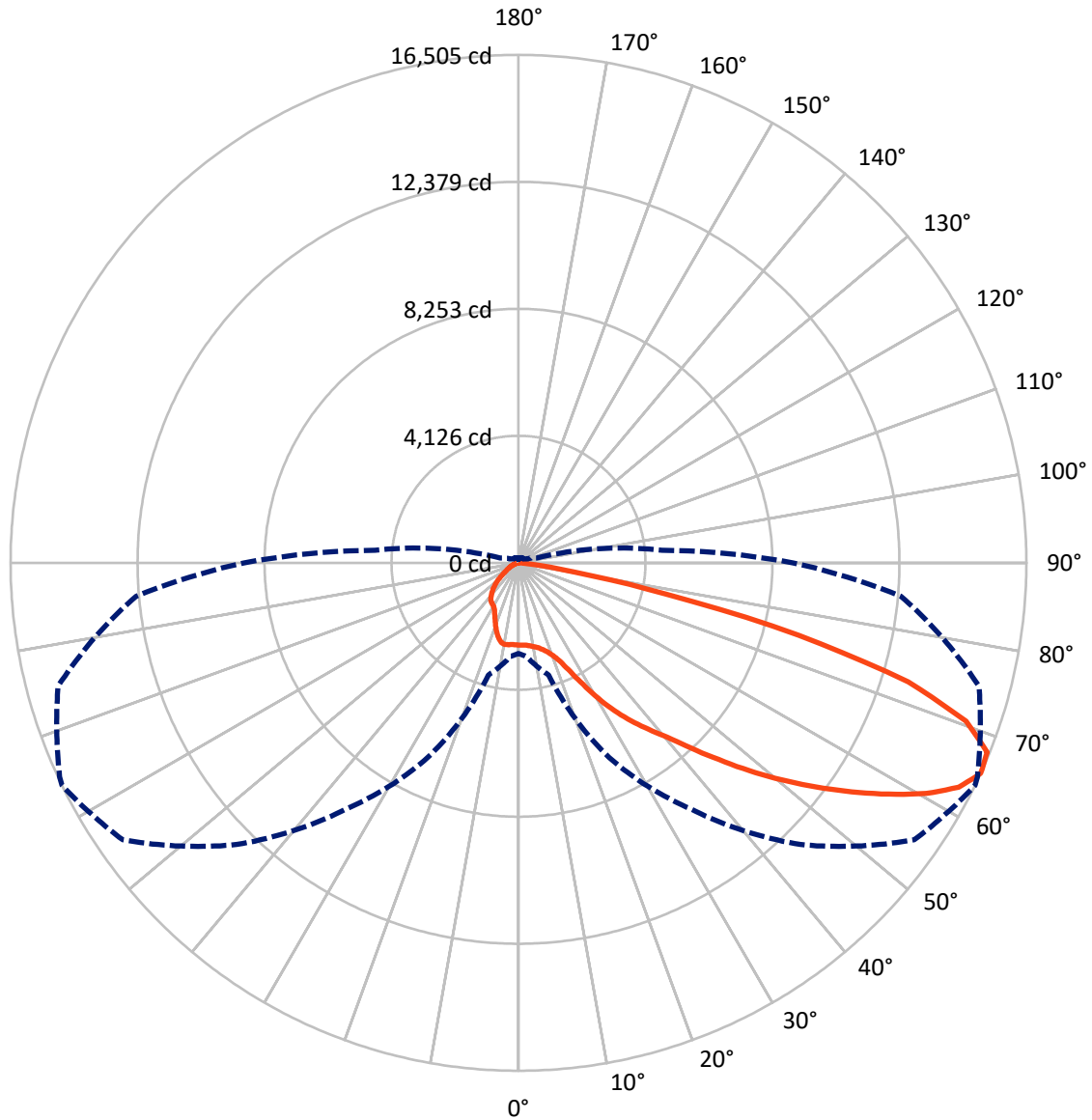
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB8B-927-U-T3-HSS

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	3075.4	0.0	3075.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19921.6	0.0	19921.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	22997.0	0.0	22997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	1.1
10°-20°	669.3	2.9
20°-30°	1268.3	5.5
30°-40°	2566.5	11.2
40°-50°	4372.0	19.0
50°-60°	5945.6	25.9
60°-70°	5583.2	24.3
70°-80°	2236.9	9.7
80°-90°	108.4	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°	22997.0	100.0
0°-180°	22997.0	100.0

Coefficient of Utilization



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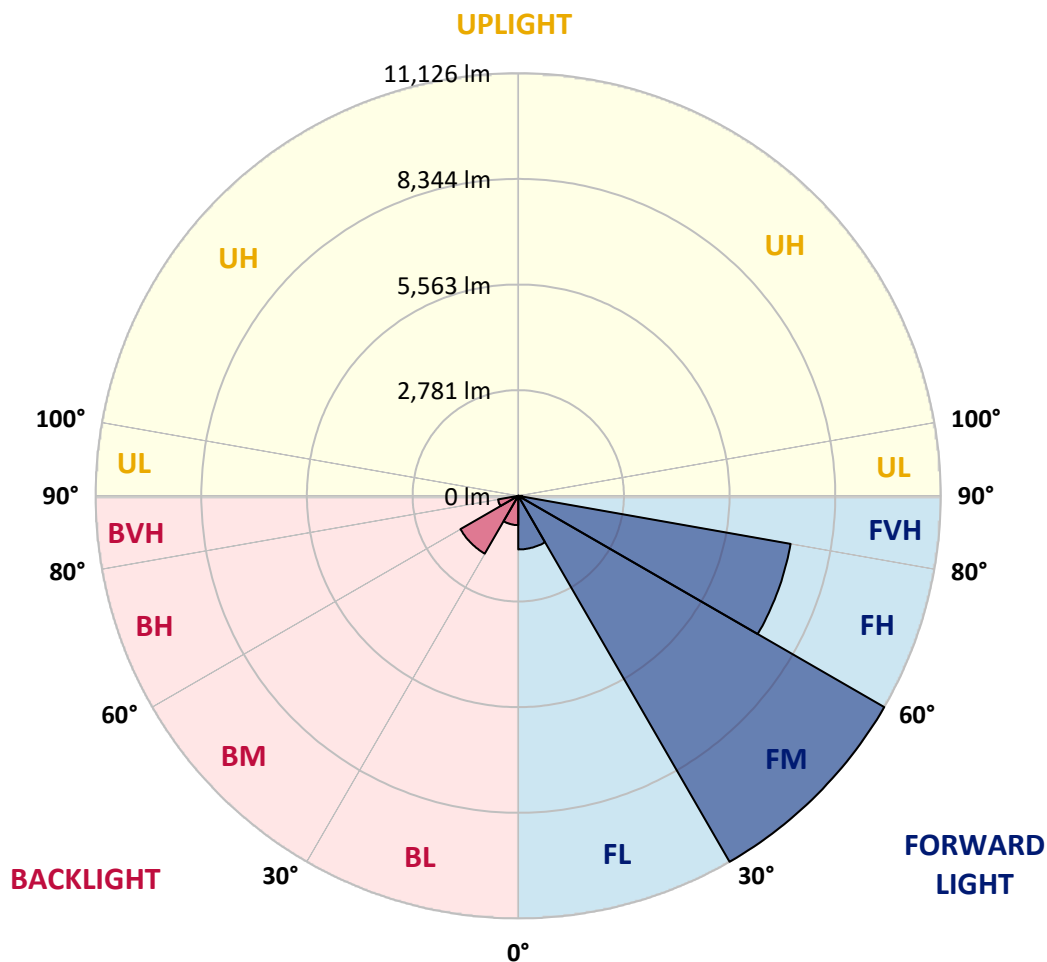
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1412.3	6.1			
FM (30°-60°)	11125.9	48.4			
FH (60°-80°)	7280.3	31.7			G3/7500
FVH (80°-90°)	103.1	0.4			G2/225
BL (0°-30°)	772.1	3.4	B2/1000		
BM (30°-60°)	1758.2	7.6	B2/2500		
BH (60°-80°)	539.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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 CATALOG NUMBER: GLAN-SB8B-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2665.5	2684.0	2679.4	2674.8	2673.2	2676.3	2677.9	2676.3	2676.3	2676.3
5°	2614.7	2630.1	2630.1	2640.9	2656.3	2674.8	2688.7	2691.7	2694.8	2699.5
7.5°	2517.5	2529.9	2539.1	2574.6	2613.1	2662.5	2704.1	2725.7	2728.7	2745.7
10°	2451.2	2466.7	2482.1	2519.1	2574.6	2648.6	2719.5	2771.9	2779.6	2819.7
12.5°	2448.2	2463.6	2483.6	2523.7	2588.5	2667.1	2753.4	2829.0	2842.8	2901.4
15°	2480.5	2499.0	2517.5	2566.9	2636.2	2731.8	2824.3	2918.4	2932.2	3015.5
17.5°	2546.8	2571.5	2585.4	2634.7	2708.7	2815.1	2936.9	3044.8	3057.1	3154.2
20°	2677.9	2707.2	2711.8	2751.9	2824.3	2938.4	3083.3	3217.5	3232.9	3343.9
22.5°	2949.2	2990.8	2953.8	2973.9	3038.6	3152.7	3310.0	3479.5	3501.1	3627.5
25°	3427.1	3485.7	3390.1	3356.2	3384.0	3502.7	3700.0	3914.3	3939.0	4040.7
27.5°	4366.0	4290.5	4145.5	4003.7	3920.5	3988.3	4210.3	4475.5	4506.3	4605.0
30°	5397.4	5331.1	5135.3	4820.8	4623.5	4612.7	4817.7	5113.7	5149.2	5243.2
32.5°	6430.3	6367.1	6154.3	5767.4	5425.1	5255.5	5397.4	5725.7	5744.2	5804.4
35°	7446.2	7381.5	7168.7	6772.5	6351.7	5966.2	5938.5	6308.5	6314.7	6377.9
37.5°	8468.4	8414.4	8187.8	7799.3	7384.6	6852.7	6595.2	6860.4	6868.1	6929.8
40°	9197.6	9220.7	9065.0	8764.4	8408.2	7827.0	7332.2	7447.8	7401.5	7504.8
42.5°	9823.5	9869.7	9734.1	9583.0	9376.4	8864.6	8244.8	8224.8	8150.8	8206.3
45°	10364.6	10403.2	10281.4	10245.9	10241.3	9882.1	9242.3	9122.0	9018.7	9008.0
47.5°	10563.5	10637.5	10689.9	10808.6	11039.9	10888.8	10273.7	10087.1	9971.5	9886.7
50°	10639.0	10717.7	10896.5	11241.8	11789.1	11853.9	11300.4	11090.7	10948.9	10794.7
52.5°	10537.3	10677.6	10918.1	11499.3	12293.2	12627.8	12285.5	12102.1	11940.2	11688.9
55°	9937.6	10077.9	10569.7	11496.2	12544.5	13170.4	13216.7	13135.0	12953.1	12556.9
57.5°	8673.4	8881.5	9660.1	11104.6	12539.9	13637.6	14129.4	14187.9	13984.4	13417.1
60°	6922.1	7204.2	8153.9	10236.7	12153.0	13890.4	14929.5	15222.4	15006.6	14265.0
62.5°	4830.0	5156.9	6055.7	8876.9	11268.0	13708.5	15513.8	16054.9	15891.5	15023.5
65°	2946.1	3051.0	3775.5	6985.3	9763.4	12946.9	15694.2	16505.1	16451.1	15487.6
67.5°	1962.5	2050.4	2258.5	4790.0	7578.8	11425.3	15262.5	16426.4	16441.9	15412.0
70°	1182.5	1258.0	1393.7	2785.8	4911.7	9043.4	13925.9	15424.4	15513.8	14402.2
72.5°	487.2	538.0	661.4	1262.6	2543.7	5739.6	11089.2	13242.9	13451.0	12109.8
75°	276.0	302.2	388.5	633.6	1103.8	2674.8	6717.0	9401.1	9707.9	8346.6
77.5°	183.5	195.8	251.3	410.1	621.3	912.7	2870.6	4897.9	5483.7	4558.7
80°	123.3	134.1	172.7	274.4	403.9	391.6	914.2	1814.5	2232.3	1566.3
82.5°	83.2	84.8	123.3	180.4	255.9	189.6	269.8	564.2	709.2	453.2
85°	47.8	46.2	91.0	104.8	114.1	78.6	81.7	169.6	222.0	191.2
87.5°	6.2	9.2	35.5	27.7	15.4	17.0	17.0	29.3	43.2	46.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850747
 CATALOG NUMBER: GLAN-SB8B-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2674.8	0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2677.9	2.5°	2677.9	2676.3	2671.7	2667.1	2656.3	2650.1	2653.2	2650.1	2648.6	2650.1
2697.9	5°	2697.9	2693.3	2681.0	2665.5	2644.0	2617.7	2600.8	2576.1	2553.0	2539.1
2751.9	7.5°	2751.9	2747.2	2730.3	2687.1	2617.7	2508.3	2408.1	2320.2	2253.9	2215.4
2838.2	10°	2838.2	2830.5	2804.3	2708.7	2526.8	2287.8	2089.0	1924.0	1816.1	1765.2
2940.0	12.5°	2940.0	2930.7	2884.5	2688.7	2354.1	1981.0	1706.6	1523.2	1423.0	1378.2
3057.1	15°	3060.2	3047.9	2956.9	2593.1	2102.8	1641.9	1390.6	1253.4	1188.6	1148.5
3206.7	17.5°	3209.7	3188.2	3010.9	2449.7	1830.0	1382.9	1196.3	1093.0	1036.0	997.5
3402.5	20°	3404.0	3368.5	3054.0	2278.6	1578.7	1219.5	1065.3	979.0	935.8	901.9
3680.0	22.5°	3675.3	3624.5	3106.5	2093.6	1401.4	1106.9	968.2	905.0	869.5	831.0
4066.9	25°	4011.4	3951.3	3171.2	1922.5	1279.6	1009.8	897.2	844.8	803.2	758.5
4574.1	27.5°	4481.6	4373.7	3248.3	1782.2	1174.7	926.5	832.5	773.9	726.1	689.1
5149.2	30°	5005.8	4828.5	3316.1	1697.4	1079.2	849.5	747.7	689.1	644.4	618.2
5665.6	32.5°	5502.2	5261.7	3360.8	1660.4	992.8	761.6	655.2	592.0	558.1	550.4
6171.3	35°	5970.9	5653.3	3356.2	1624.9	915.7	673.7	564.2	499.5	473.3	477.9
6715.5	37.5°	6510.5	6071.1	3323.8	1569.4	852.5	593.5	485.6	428.6	405.5	407.0
7376.9	40°	7137.9	6553.6	3303.8	1464.6	783.2	519.5	420.9	374.6	357.7	351.5
8073.7	42.5°	7807.0	7020.7	3306.9	1345.9	696.8	453.2	376.2	337.6	322.2	317.6
8849.2	45°	8479.2	7466.3	3311.5	1222.5	605.9	402.4	343.8	311.4	302.2	296.0
9635.4	47.5°	9111.2	7845.5	3225.2	1090.0	516.5	363.8	317.6	296.0	288.3	280.6
10424.7	50°	9700.2	8098.4	3017.0	935.8	445.5	333.0	297.5	282.1	274.4	266.7
11140.1	52.5°	10158.0	8138.5	2673.2	777.0	396.2	309.9	285.2	271.3	262.1	254.4
11718.2	55°	10361.5	7887.2	2184.5	629.0	357.7	289.8	272.9	259.0	248.2	240.5
12173.0	57.5°	10309.1	7358.4	1703.5	505.7	320.7	269.8	257.5	248.2	235.9	223.5
12541.5	60°	10051.7	6650.7	1284.2	420.9	286.7	248.2	240.5	232.8	215.8	197.3
12683.3	62.5°	9606.1	5761.2	915.7	348.4	249.7	223.5	220.5	214.3	189.6	155.7
12473.6	65°	8924.7	4680.5	616.7	289.8	214.3	195.8	197.3	186.5	154.2	115.6
11705.9	67.5°	7928.8	3422.5	394.7	237.4	178.8	163.4	165.0	158.8	131.0	98.7
10250.5	70°	6660.0	2266.2	257.5	180.4	143.4	126.4	135.7	137.2	111.0	80.2
7867.1	72.5°	4882.5	1338.2	180.4	134.1	104.8	87.9	111.0	114.1	89.4	60.1
4732.9	75°	2782.7	635.2	135.7	97.1	64.7	61.7	86.3	86.3	61.7	40.1
2048.9	77.5°	1168.6	265.2	95.6	63.2	37.0	35.5	58.6	54.0	30.8	18.5
499.5	80°	337.6	118.7	50.9	30.8	15.4	13.9	23.1	17.0	7.7	3.1
189.6	82.5°	132.6	52.4	20.0	12.3	6.2	6.2	3.1	0.0	0.0	0.0
107.9	85°	78.6	21.6	9.2	4.6	1.5	0.0	0.0	0.0	0.0	0.0
23.1	87.5°	20.0	4.6	3.1	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°
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2674.8
2656.3
2542.2
2216.9
1760.6
1373.6
1150.1
994.4
895.7
824.8
753.9
681.4
613.6
555.0
477.9
413.2
350.0
316.0
296.0
280.6
266.7
252.8
239.0
222.0
194.2
152.6
112.5
94.0
77.1
57.0
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