

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: P849017

Luminaire Tested: **GLAN-SB5D-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849017  
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-SB5D-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

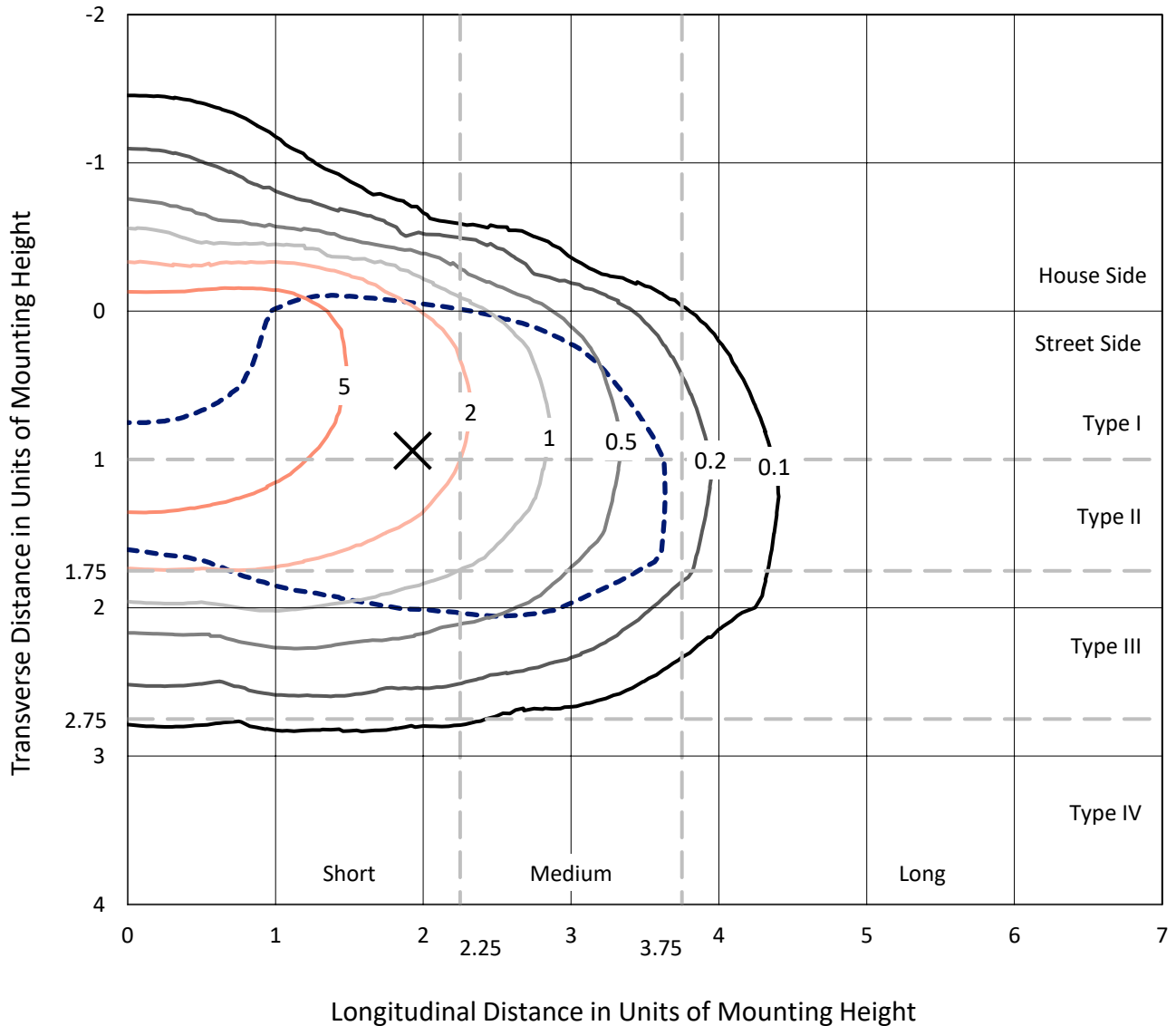
Lumens per Lamp: N/A  
Luminaire Lumens: 33379 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

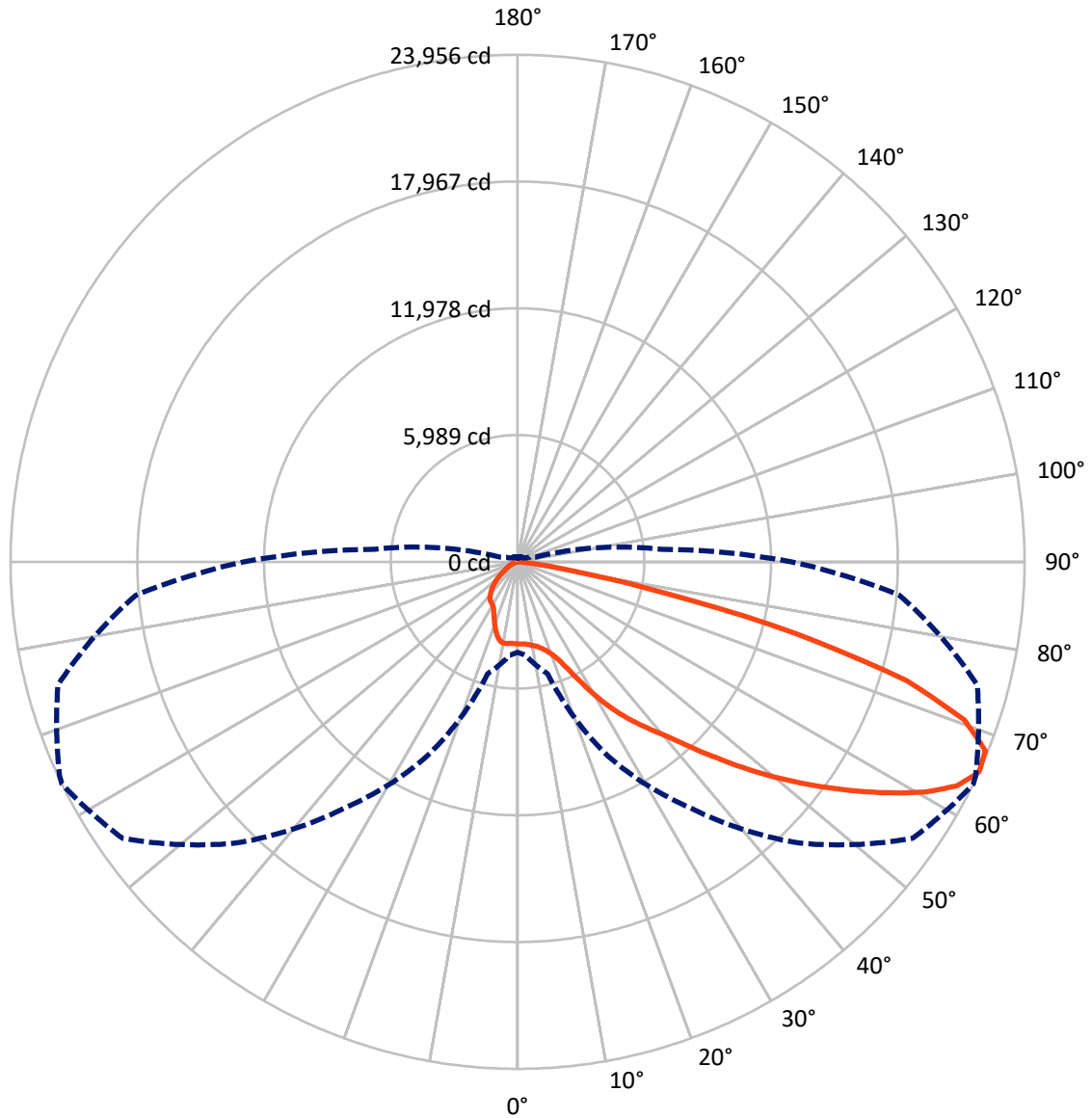
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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
<b>House Side</b>	Lumens	4463.8	0.0	4463.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	28915.2	0.0	28915.2
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	33379.0	0.0	33379.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	358.2	1.1
10°-20°	971.5	2.9
20°-30°	1840.9	5.5
30°-40°	3725.1	11.2
40°-50°	6345.8	19.0
50°-60°	8629.8	25.9
60°-70°	8103.8	24.3
70°-80°	3246.7	9.7
80°-90°	157.3	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°	33379.0	100.0
0°-180°	33379.0	100.0

**Coefficient of Utilization**

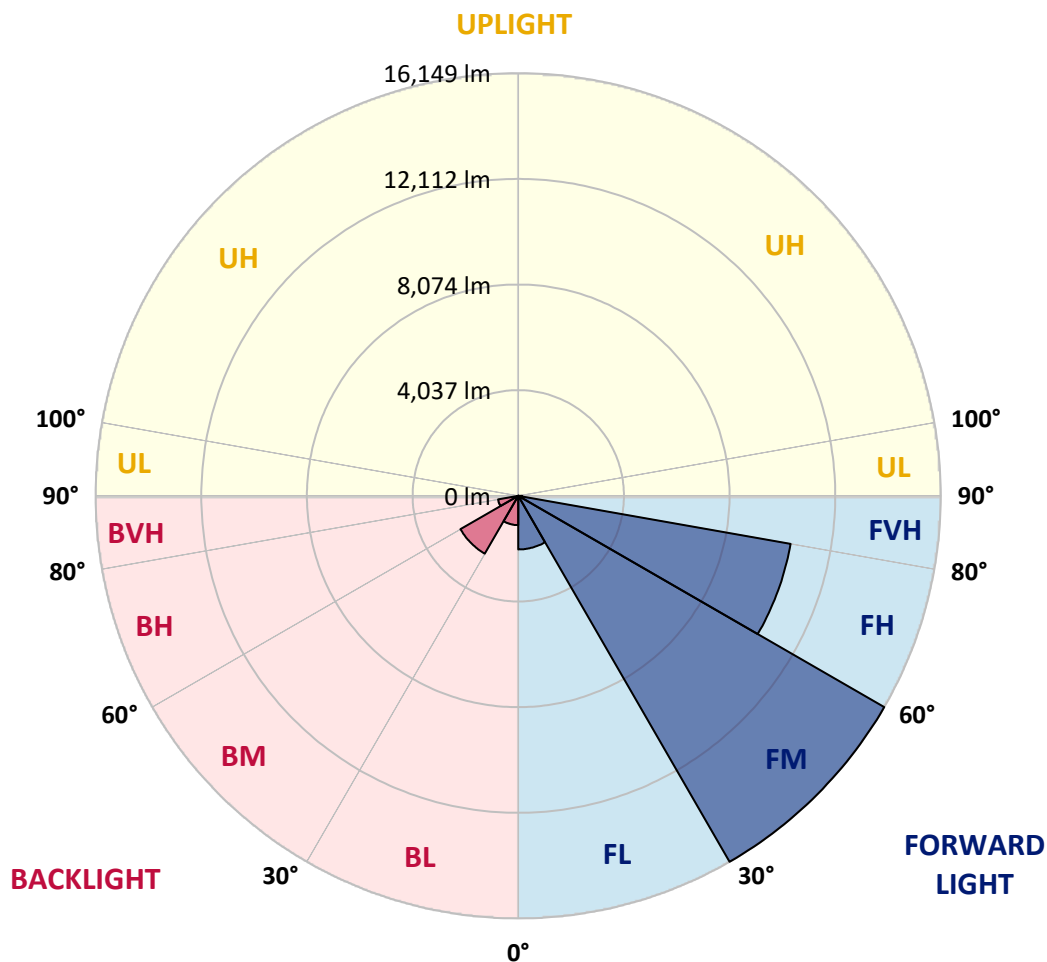


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2049.9	6.1			
FM (30°-60°)	16148.7	48.4			
FH (60°-80°)	10567.0	31.7			G4/12000
FVH (80°-90°)	149.6	0.4			G2/225
BL (0°-30°)	1120.7	3.4	B3/2500		
BM (30°-60°)	2551.9	7.6	B3/5000		
BH (60°-80°)	783.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.7	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-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3
2.5°	3868.9	3895.8	3889.0	3882.3	3880.1	3884.6	3886.8	3884.6	3884.6	3884.6
5°	3795.1	3817.4	3817.4	3833.1	3855.5	3882.3	3902.5	3906.9	3911.4	3918.1
7.5°	3654.1	3672.0	3685.4	3736.9	3792.8	3864.4	3924.8	3956.2	3960.6	3985.3
10°	3557.9	3580.2	3602.6	3656.3	3736.9	3844.3	3947.2	4023.3	4034.5	4092.7
12.5°	3553.4	3575.8	3604.9	3663.0	3757.0	3871.1	3996.4	4106.1	4126.2	4211.3
15°	3600.4	3627.2	3654.1	3725.7	3826.4	3965.1	4099.4	4235.9	4256.0	4376.8
17.5°	3696.6	3732.4	3752.5	3824.1	3931.6	4086.0	4262.7	4419.4	4437.3	4578.2
20°	3886.8	3929.3	3936.0	3994.2	4099.4	4265.0	4475.3	4670.0	4692.4	4853.5
22.5°	4280.6	4341.0	4287.3	4316.4	4410.4	4576.0	4804.2	5050.4	5081.7	5265.2
25°	4974.3	5059.3	4920.6	4871.4	4911.6	5083.9	5370.4	5681.4	5717.2	5864.9
27.5°	6337.0	6227.4	6017.0	5811.2	5690.3	5788.8	6111.0	6495.9	6540.7	6683.9
30°	7834.0	7737.8	7453.6	6997.1	6710.7	6695.1	6992.7	7422.3	7473.8	7610.3
32.5°	9333.2	9241.5	8932.7	8371.1	7874.3	7628.2	7834.0	8310.6	8337.5	8424.8
35°	10807.9	10713.9	10405.1	9830.0	9219.1	8659.7	8619.4	9156.5	9165.4	9257.2
37.5°	12291.4	12213.1	11884.2	11320.3	10718.3	9946.4	9572.7	9957.5	9968.7	10058.2
40°	13349.8	13383.4	13157.4	12721.0	12204.1	11360.6	10642.3	10810.1	10743.0	10892.9
42.5°	14258.3	14325.4	14128.5	13909.2	13609.4	12866.5	11967.0	11937.9	11830.5	11911.0
45°	15043.7	15099.7	14922.9	14871.4	14864.7	14343.3	13414.7	13240.2	13090.3	13074.6
47.5°	15332.4	15439.8	15515.9	15688.2	16023.8	15804.5	14911.7	14640.9	14473.1	14350.1
50°	15442.0	15556.1	15815.7	16317.0	17111.3	17205.3	16402.0	16097.7	15891.8	15668.0
52.5°	15294.3	15498.0	15847.0	16690.6	17843.0	18328.6	17831.8	17565.6	17330.6	16965.9
55°	14423.9	14627.5	15341.3	16686.2	18207.8	19116.3	19183.4	19064.8	18800.7	18225.7
57.5°	12589.0	12891.1	14021.1	16117.8	18201.1	19794.3	20508.1	20593.1	20297.7	19474.3
60°	10047.1	10456.5	11834.9	14858.0	17639.4	20161.2	21669.4	22094.6	21781.3	20705.0
62.5°	7010.6	7484.9	8789.5	12884.4	16355.0	19897.2	22517.5	23302.9	23065.7	21805.9
65°	4276.2	4428.3	5480.0	10138.8	14171.0	18791.8	22779.3	23956.3	23878.0	22479.4
67.5°	2848.5	2976.1	3278.2	6952.4	11000.3	16583.2	22152.7	23842.2	23864.5	22369.8
70°	1716.3	1825.9	2022.8	4043.4	7129.2	13126.1	20212.7	22387.7	22517.5	20904.1
72.5°	707.1	780.9	960.0	1832.6	3692.1	8330.8	16095.4	19221.4	19523.5	17576.7
75°	400.5	438.6	563.9	919.7	1602.2	3882.3	9749.4	13645.2	14090.5	12114.6
77.5°	266.3	284.2	364.7	595.2	901.8	1324.7	4166.5	7109.0	7959.3	6616.7
80°	179.0	194.7	250.6	398.3	586.3	568.4	1326.9	2633.7	3240.1	2273.5
82.5°	120.8	123.1	179.0	261.8	371.5	275.2	391.6	819.0	1029.3	657.9
85°	69.4	67.1	132.0	152.2	165.6	114.1	118.6	246.1	322.2	277.5
87.5°	9.0	13.4	51.5	40.3	22.4	24.6	24.6	42.5	62.7	67.1
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°
3882.3	0°	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3	3882.3
3886.8	2.5°	3886.8	3884.6	3877.8	3871.1	3855.5	3846.5	3851.0	3846.5	3844.3	3846.5
3915.9	5°	3915.9	3909.2	3891.3	3868.9	3837.6	3799.5	3774.9	3739.1	3705.5	3685.4
3994.2	7.5°	3994.2	3987.5	3962.9	3900.2	3799.5	3640.7	3495.2	3367.7	3271.4	3215.5
4119.5	10°	4119.5	4108.3	4070.3	3931.6	3667.5	3320.7	3032.0	2792.6	2636.0	2562.1
4267.2	12.5°	4267.2	4253.8	4186.6	3902.5	3416.9	2875.4	2477.1	2210.8	2065.4	2000.5
4437.3	15°	4441.7	4423.8	4291.8	3763.7	3052.2	2383.1	2018.4	1819.2	1725.2	1667.0
4654.3	17.5°	4658.8	4627.5	4370.1	3555.6	2656.1	2007.2	1736.4	1586.5	1503.7	1447.8
4938.5	20°	4940.7	4889.3	4432.8	3307.2	2291.4	1770.0	1546.2	1420.9	1358.3	1309.0
5341.3	22.5°	5334.6	5260.7	4508.9	3038.7	2034.0	1606.6	1405.2	1313.5	1262.0	1206.1
5902.9	25°	5822.4	5735.1	4602.8	2790.4	1857.3	1465.7	1302.3	1226.2	1165.8	1100.9
6639.1	27.5°	6504.9	6348.2	4714.7	2586.7	1705.1	1344.8	1208.3	1123.3	1053.9	1000.2
7473.8	30°	7265.7	7008.3	4813.2	2463.7	1566.4	1232.9	1085.3	1000.2	935.3	897.3
8223.4	32.5°	7986.2	7637.1	4878.1	2410.0	1441.0	1105.4	951.0	859.3	810.0	798.8
8957.3	35°	8666.4	8205.5	4871.4	2358.5	1329.2	977.9	819.0	725.0	687.0	693.7
9747.2	37.5°	9449.6	8811.9	4824.4	2277.9	1237.4	861.5	704.9	622.1	588.5	590.7
10707.2	40°	10360.3	9512.3	4795.3	2125.8	1136.7	754.1	610.9	543.7	519.1	510.2
11718.6	42.5°	11331.5	10190.3	4799.8	1953.5	1011.4	657.9	546.0	490.0	467.7	461.0
12844.1	45°	12307.1	10836.9	4806.5	1774.5	879.4	584.0	499.0	452.0	438.6	429.6
13985.3	47.5°	13224.5	11387.4	4681.2	1582.0	749.6	528.1	461.0	429.6	418.4	407.3
15131.0	50°	14079.3	11754.4	4379.1	1358.3	646.7	483.3	431.9	409.5	398.3	387.1
16169.3	52.5°	14743.9	11812.6	3880.1	1127.8	575.1	449.8	414.0	393.8	380.4	369.2
17008.4	55°	15039.3	11447.8	3170.8	913.0	519.1	420.7	396.1	375.9	360.3	349.1
17668.5	57.5°	14963.2	10680.3	2472.6	733.9	465.4	391.6	373.7	360.3	342.4	324.5
18203.3	60°	14589.5	9653.2	1864.0	610.9	416.2	360.3	349.1	337.9	313.3	286.4
18409.2	62.5°	13942.8	8362.1	1329.2	505.7	362.5	324.5	320.0	311.0	275.2	226.0
18104.8	65°	12953.8	6793.5	895.1	420.7	311.0	284.2	286.4	270.8	223.8	167.8
16990.5	67.5°	11508.2	4967.6	572.8	344.6	259.6	237.2	239.4	230.5	190.2	143.2
14878.1	70°	9666.7	3289.3	373.7	261.8	208.1	183.5	196.9	199.2	161.1	116.4
11418.7	72.5°	7086.6	1942.3	261.8	194.7	152.2	127.5	161.1	165.6	129.8	87.3
6869.6	75°	4039.0	921.9	196.9	141.0	94.0	89.5	125.3	125.3	89.5	58.2
2973.8	77.5°	1696.1	384.9	138.7	91.7	53.7	51.5	85.0	78.3	44.8	26.9
725.0	80°	490.0	172.3	73.8	44.8	22.4	20.1	33.6	24.6	11.2	4.5
275.2	82.5°	192.4	76.1	29.1	17.9	9.0	9.0	4.5	0.0	0.0	0.0
156.6	85°	114.1	31.3	13.4	6.7	2.2	0.0	0.0	0.0	0.0	0.0
33.6	87.5°	29.1	6.7	4.5	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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3882.3
3855.5
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890.6
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