

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: P851737

Luminaire Tested: **GLAN-SB9D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851737
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-SB9D-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 60187 lumens
Efficiency: N/A
Efficacy: 91.5 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

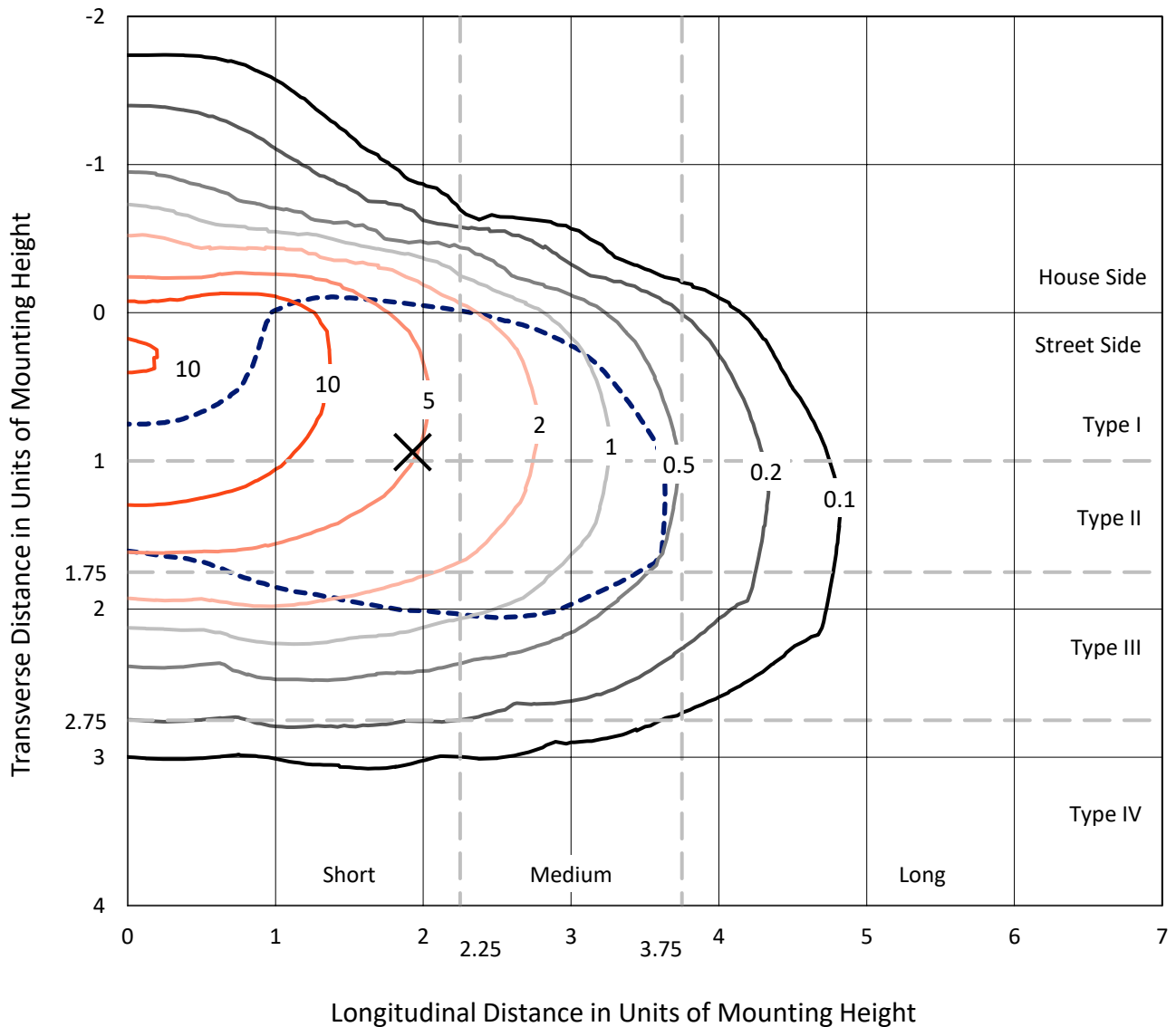
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

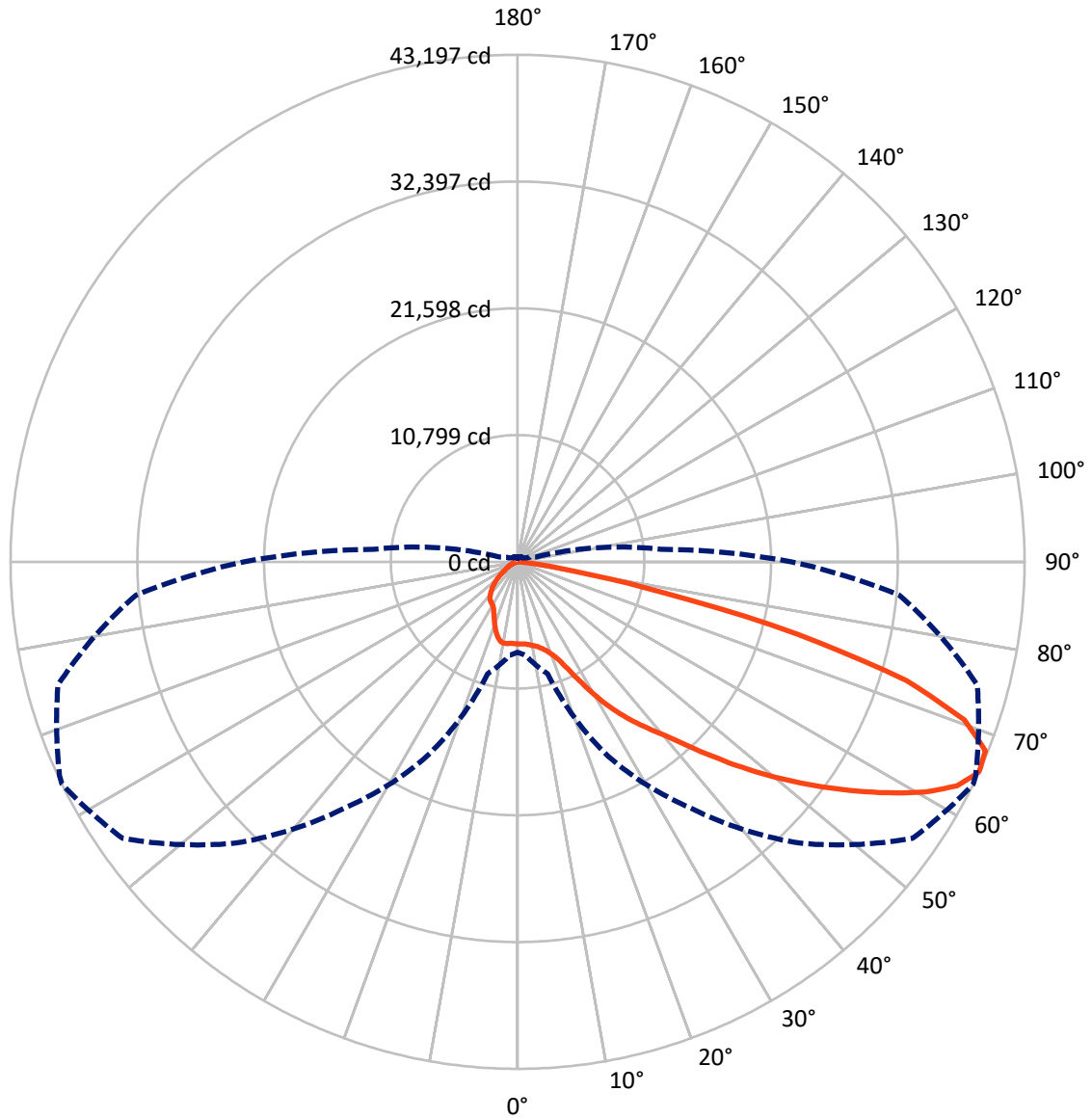
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 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	8048.8	0.0	8048.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	52138.2	0.0	52138.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	60187.0	0.0	60187.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.9	1.1
10°-20°	1751.7	2.9
20°-30°	3319.4	5.5
30°-40°	6716.9	11.2
40°-50°	11442.3	19.0
50°-60°	15560.6	25.9
60°-70°	14612.2	24.3
70°-80°	5854.3	9.7
80°-90°	283.6	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°	60187.0	100.0
0°-180°	60187.0	100.0

Coefficient of Utilization



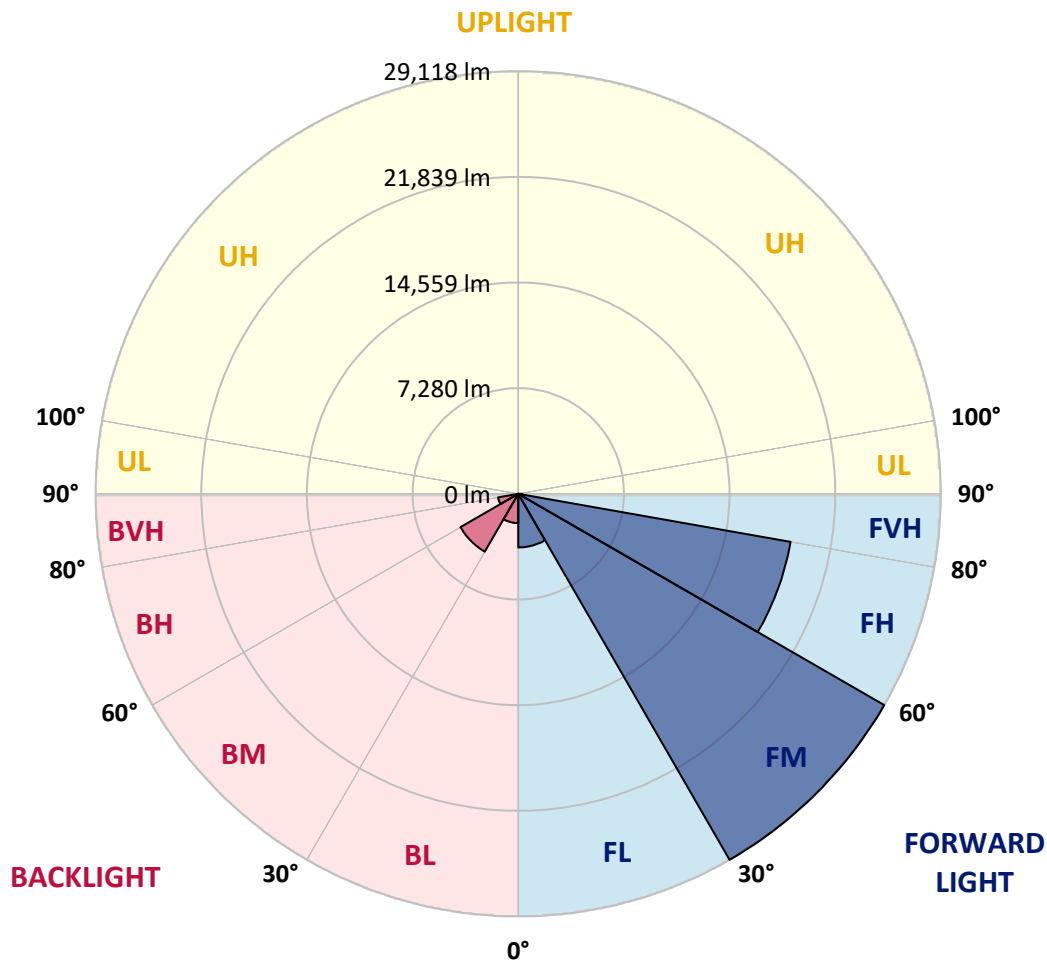
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3696.2	6.1			
FM (30°-60°)	29118.4	48.4			
FH (60°-80°)	19053.8	31.7			G5
FVH (80°-90°)	269.8	0.4			G3/500
BL (0°-30°)	2020.8	3.4	B3/2500		
BM (30°-60°)	4601.5	7.6	B3/5000		
BH (60°-80°)	1412.7	2.3	B3/2500		G3/2500
BVH (80°-90°)	13.9	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°	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4
2.5°	6976.2	7024.6	7012.5	7000.4	6996.3	7004.4	7008.4	7004.4	7004.4	7004.4
5°	6843.0	6883.4	6883.4	6911.6	6952.0	7000.4	7036.7	7044.8	7052.8	7064.9
7.5°	6588.8	6621.1	6645.3	6738.1	6839.0	6968.1	7077.0	7133.5	7141.6	7186.0
10°	6415.3	6455.7	6496.0	6592.9	6738.1	6931.8	7117.4	7254.6	7274.7	7379.6
12.5°	6407.3	6447.6	6500.1	6605.0	6774.4	6980.2	7206.1	7403.9	7440.2	7593.5
15°	6492.0	6540.4	6588.8	6717.9	6899.5	7149.7	7391.7	7637.9	7674.2	7892.1
17.5°	6665.5	6730.0	6766.4	6895.5	7089.1	7367.5	7686.3	7968.7	8001.0	8255.2
20°	7008.4	7085.1	7097.2	7202.1	7391.7	7690.3	8069.6	8420.6	8461.0	8751.5
22.5°	7718.6	7827.5	7730.7	7783.1	7952.6	8251.2	8662.7	9106.5	9163.0	9493.9
25°	8969.4	9122.7	8872.5	8783.8	8856.4	9167.1	9683.5	10244.3	10308.9	10575.2
27.5°	11426.5	11228.8	10849.6	10478.4	10260.5	10438.0	11019.0	11713.0	11793.7	12051.9
30°	14125.8	13952.3	13439.9	12616.8	12100.4	12072.1	12608.7	13383.4	13476.2	13722.3
32.5°	16829.1	16663.7	16106.9	15094.2	14198.5	13754.6	14125.8	14985.2	15033.7	15191.0
35°	19488.1	19318.6	18761.8	17724.9	16623.4	15614.7	15542.0	16510.4	16526.5	16692.0
37.5°	22163.1	22021.9	21428.8	20412.0	19326.7	17934.7	17260.9	17954.8	17975.0	18136.4
40°	24071.6	24132.1	23724.6	22937.8	22005.8	20484.7	19189.5	19492.1	19371.1	19641.4
42.5°	25709.7	25830.8	25475.7	25080.3	24539.6	23200.1	21578.1	21525.6	21332.0	21477.2
45°	27125.9	27226.8	26908.1	26815.3	26803.2	25863.0	24188.6	23873.9	23603.6	23575.3
47.5°	27646.4	27840.1	27977.3	28288.0	28893.2	28497.8	26887.9	26399.7	26097.1	25875.2
50°	27844.1	28049.9	28517.9	29421.7	30854.1	31023.6	29575.1	29026.3	28655.1	28251.6
52.5°	27577.8	27945.0	28574.4	30095.6	32173.5	33049.0	32153.3	31673.2	31249.5	30591.8
55°	26008.3	26375.5	27662.6	30087.5	32831.1	34469.3	34590.3	34376.5	33900.4	32863.4
57.5°	22699.8	23244.5	25282.0	29062.6	32819.0	35691.8	36978.9	37132.2	36599.6	35114.8
60°	18116.2	18854.6	21340.0	26791.1	31806.3	36353.5	39073.0	39839.6	39274.7	37334.0
62.5°	12641.0	13496.4	15848.7	23232.4	29490.3	35877.4	40602.2	42018.4	41590.7	39319.1
65°	7710.5	7984.9	9881.2	18281.7	25552.4	33884.2	41074.2	43196.5	43055.3	40533.6
67.5°	5136.3	5366.3	5911.0	12536.1	19835.1	29901.9	39944.5	42990.8	43031.1	40335.9
70°	3094.7	3292.4	3647.5	7290.9	12854.9	23668.1	36446.3	40368.1	40602.2	37693.1
72.5°	1275.0	1408.1	1730.9	3304.5	6657.4	15021.5	29022.3	34658.9	35203.6	31693.3
75°	722.2	790.8	1016.8	1658.3	2888.9	7000.4	17579.6	24604.2	25407.1	21844.4
77.5°	480.1	512.4	657.7	1073.3	1626.0	2388.6	7512.8	12818.6	14351.8	11930.9
80°	322.8	351.0	451.9	718.2	1057.1	1024.8	2392.6	4749.0	5842.4	4099.4
82.5°	217.9	221.9	322.8	472.1	669.8	496.3	706.1	1476.7	1856.0	1186.2
85°	125.1	121.0	238.1	274.4	298.6	205.8	213.8	443.8	581.0	500.3
87.5°	16.1	24.2	92.8	72.6	40.3	44.4	44.4	76.7	113.0	121.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7000.4	0°	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4	7000.4
7008.4	2.5°	7008.4	7004.4	6992.3	6980.2	6952.0	6935.8	6943.9	6935.8	6931.8	6935.8
7060.9	5°	7060.9	7048.8	7016.5	6976.2	6919.7	6851.1	6806.7	6742.1	6681.6	6645.3
7202.1	7.5°	7202.1	7190.0	7145.6	7032.7	6851.1	6564.6	6302.4	6072.4	5898.9	5798.0
7428.1	10°	7428.1	7407.9	7339.3	7089.1	6613.0	5987.6	5467.2	5035.4	4753.0	4619.8
7694.4	12.5°	7694.4	7670.1	7549.1	7036.7	6161.1	5184.7	4466.5	3986.4	3724.1	3607.1
8001.0	15°	8009.1	7976.8	7738.7	6786.5	5503.5	4297.1	3639.4	3280.3	3110.8	3005.9
8392.4	17.5°	8400.4	8344.0	7880.0	6411.3	4789.3	3619.2	3131.0	2860.7	2711.4	2610.5
8904.8	20°	8908.8	8816.0	7992.9	5963.4	4131.6	3191.5	2788.0	2562.1	2449.1	2360.4
9631.1	22.5°	9619.0	9485.8	8130.1	5479.3	3667.6	2897.0	2533.9	2368.4	2275.6	2174.8
10643.8	25°	10498.5	10341.2	8299.6	5031.4	3348.9	2642.8	2348.3	2211.1	2102.1	1985.1
11971.2	27.5°	11729.2	11446.7	8501.3	4664.2	3074.5	2424.9	2178.8	2025.5	1900.4	1803.6
13476.2	30°	13101.0	12637.0	8678.8	4442.3	2824.4	2223.2	1956.9	1803.6	1686.5	1618.0
14827.9	32.5°	14400.2	13770.8	8795.9	4345.5	2598.4	1993.2	1714.8	1549.4	1460.6	1440.4
16151.3	35°	15626.8	14795.6	8783.8	4252.7	2396.7	1763.2	1476.7	1307.3	1238.7	1250.8
17575.6	37.5°	17038.9	15889.0	8699.0	4107.4	2231.2	1553.4	1271.0	1121.7	1061.2	1065.2
19306.5	40°	18681.1	17151.9	8646.6	3833.1	2049.7	1359.7	1101.5	980.5	936.1	919.9
21130.2	42.5°	20432.2	18374.5	8654.6	3522.4	1823.7	1186.2	984.5	883.6	843.3	831.2
23159.7	45°	22191.4	19540.5	8666.7	3199.6	1585.7	1053.1	899.8	815.0	790.8	774.7
25217.5	47.5°	23845.7	20533.1	8440.8	2852.6	1351.7	952.2	831.2	774.7	754.5	734.3
27283.3	50°	25386.9	21194.8	7896.1	2449.1	1166.1	871.5	778.7	738.4	718.2	698.0
29155.4	52.5°	26585.3	21299.7	6996.3	2033.5	1036.9	811.0	746.4	710.1	685.9	665.7
30668.5	55°	27117.9	20642.0	5717.3	1646.2	936.1	758.5	714.2	677.8	649.6	629.4
31858.8	57.5°	26980.7	19258.1	4458.5	1323.4	839.2	706.1	673.8	649.6	617.3	585.0
32823.1	60°	26306.9	17406.1	3361.0	1101.5	750.5	649.6	629.4	609.3	564.9	516.5
33194.3	62.5°	25140.8	15078.0	2396.7	911.9	653.6	585.0	577.0	560.8	496.3	407.5
32645.5	65°	23357.4	12249.6	1613.9	758.5	560.8	512.4	516.5	488.2	403.5	302.6
30636.2	67.5°	20751.0	8957.2	1032.9	621.4	468.0	427.7	431.7	415.6	343.0	258.2
26827.4	70°	17430.3	5931.2	673.8	472.1	375.2	330.9	355.1	359.1	290.5	209.8
20589.6	72.5°	12778.2	3502.2	472.1	351.0	274.4	230.0	290.5	298.6	234.0	157.4
12386.8	75°	7282.8	1662.3	355.1	254.2	169.5	161.4	225.9	225.9	161.4	104.9
5362.2	77.5°	3058.4	694.0	250.2	165.4	96.8	92.8	153.3	141.2	80.7	48.4
1307.3	80°	883.6	310.7	133.1	80.7	40.3	36.3	60.5	44.4	20.2	8.1
496.3	82.5°	347.0	137.2	52.5	32.3	16.1	16.1	8.1	0.0	0.0	0.0
282.4	85°	205.8	56.5	24.2	12.1	4.0	0.0	0.0	0.0	0.0	0.0
60.5	87.5°	52.5	12.1	8.1	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°
7000.4
6952.0
6653.4
5802.0
4607.7
3595.0
3010.0
2602.4
2344.2
2158.6
1973.0
1783.4
1605.8
1452.5
1250.8
1081.3
915.9
827.1
774.7
734.3
698.0
661.7
625.4
581.0
508.4
399.4
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