

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: P853188

Luminaire Tested: **GLAN-SB9B-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32153 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

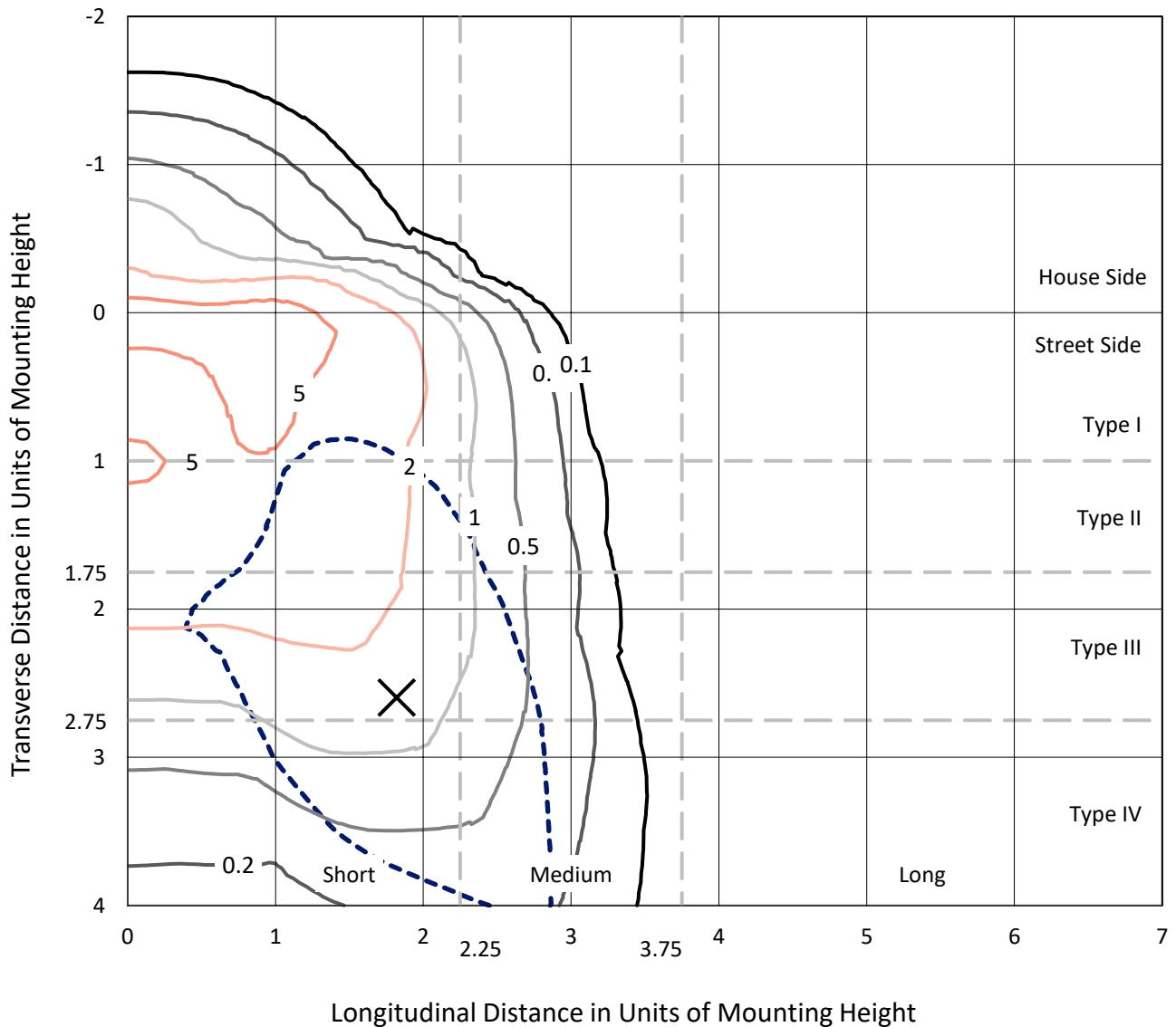
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

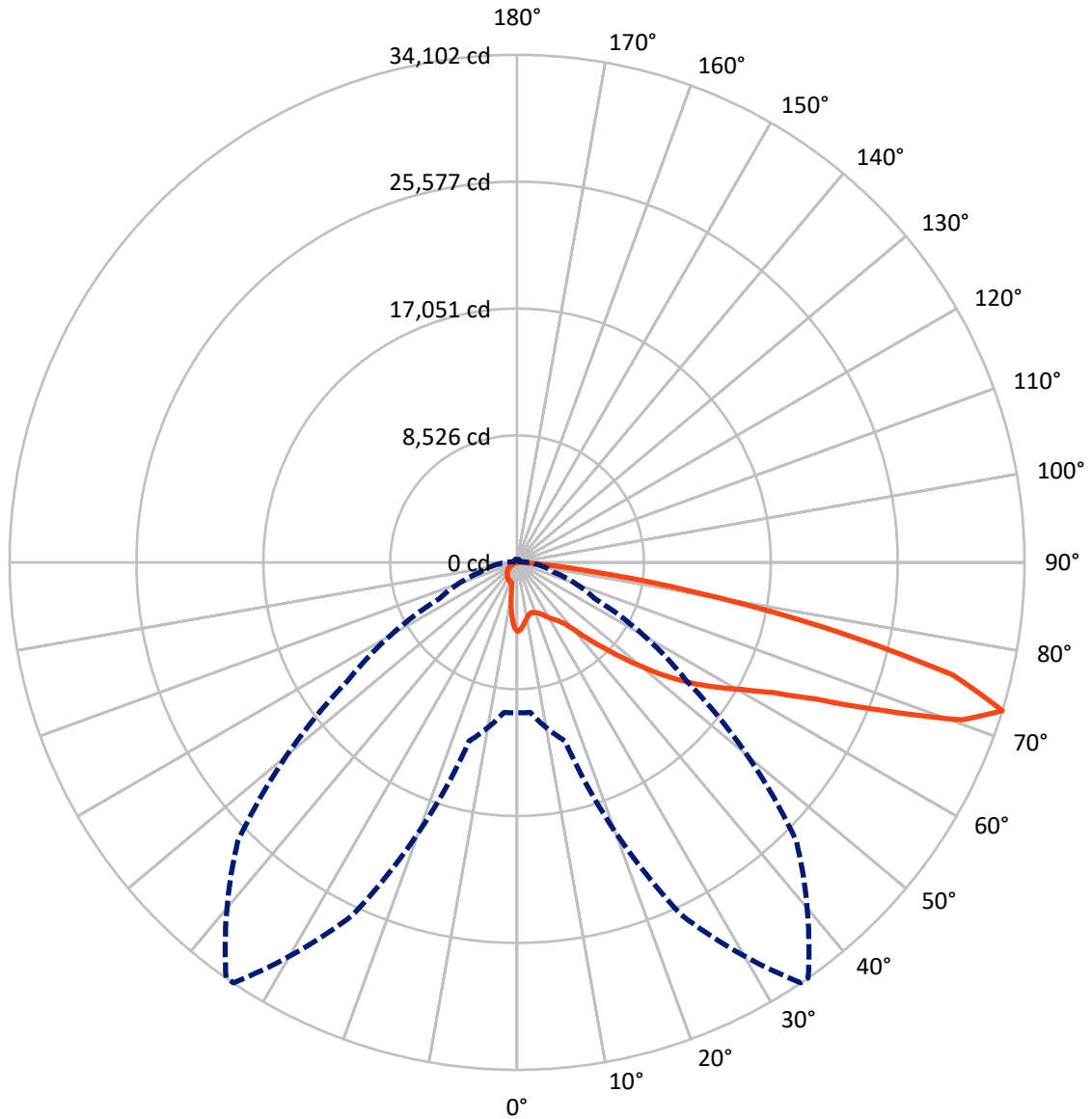
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3618.7	0.0	3618.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	28534.3	0.0	28534.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	32153.0	0.0	32153.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.9	1.2
10°-20°	895.8	2.8
20°-30°	1455.2	4.5
30°-40°	2428.1	7.6
40°-50°	4593.9	14.3
50°-60°	7299.7	22.7
60°-70°	9030.3	28.1
70°-80°	5613.3	17.5
80°-90°	453.6	1.4
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°	32153.0	100.0
0°-180°	32153.0	100.0

**Coefficient of Utilization**

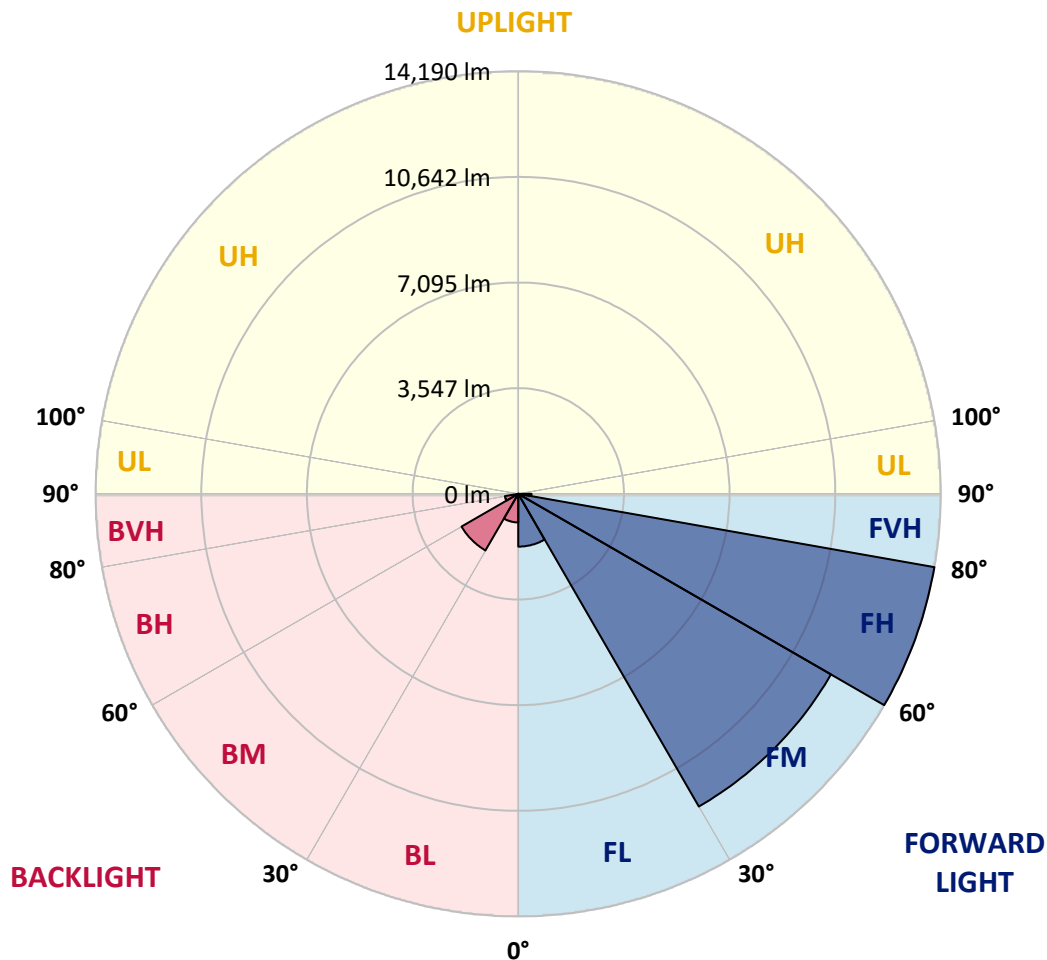


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1772.4	5.5			
FM (30°-60°)	12124.9	37.7			
FH (60°-80°)	14189.5	44.1			G5
FVH (80°-90°)	447.5	1.4			G3/500
BL (0°-30°)	961.6	3.0	B2/1000		
BM (30°-60°)	2196.9	6.8	B2/2500		
BH (60°-80°)	454.1	1.4	B1/500		G1/500
BVH (80°-90°)	6.2	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-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0
2.5°	4452.7	4490.4	4497.5	4509.3	4509.3	4523.4	4547.0	4579.9	4634.1	4662.4
5°	4104.0	4132.3	4167.7	4195.9	4250.1	4257.2	4349.1	4438.6	4563.5	4657.7
7.5°	3753.0	3786.0	3833.1	3901.4	3972.1	3993.3	4132.3	4283.1	4481.0	4657.7
10°	3505.6	3508.0	3550.4	3618.7	3731.8	3757.7	3927.4	4141.7	4389.1	4629.4
12.5°	3366.6	3383.1	3402.0	3453.8	3562.2	3578.7	3760.1	4012.2	4297.2	4612.9
15°	3366.6	3378.4	3390.2	3416.1	3503.3	3517.4	3677.6	3929.7	4250.1	4620.0
17.5°	3402.0	3420.8	3411.4	3442.0	3533.9	3543.3	3684.7	3906.1	4247.8	4664.8
20°	3486.8	3500.9	3482.1	3500.9	3592.8	3611.7	3757.7	3950.9	4287.8	4742.5
22.5°	3621.1	3628.1	3583.4	3597.5	3691.8	3715.3	3884.9	4078.1	4384.4	4867.4
25°	3790.7	3804.8	3736.5	3753.0	3842.5	3870.8	4066.4	4269.0	4537.5	5039.4
27.5°	3986.2	3993.3	3934.4	3932.1	4047.5	4087.6	4285.5	4504.6	4742.5	5256.1
30°	4210.1	4231.3	4174.7	4165.3	4311.4	4344.4	4539.9	4794.3	5044.1	5581.2
32.5°	4386.8	4403.3	4370.3	4393.8	4542.3	4568.2	4848.5	5204.3	5517.6	6043.0
35°	4641.2	4650.6	4575.2	4617.6	4787.3	4853.2	5270.2	5779.1	6113.7	6622.5
37.5°	5562.4	5562.4	5242.0	5032.3	5194.8	5253.7	5847.4	6502.4	6848.7	7400.0
40°	6836.9	6815.7	6346.9	5918.1	5896.9	6012.4	6669.7	7414.1	7798.2	8333.0
42.5°	8196.3	8163.3	7524.9	7100.8	7030.1	7070.2	7619.1	8537.9	8929.0	9470.9
45°	9402.6	9393.1	8808.9	8238.7	8111.5	8238.7	8804.1	9852.5	10132.9	10703.0
47.5°	10413.3	10413.3	9986.8	9614.6	9548.6	9624.0	10408.5	11310.9	11284.9	12015.3
50°	11577.1	11567.7	11162.4	11002.2	11070.6	11176.6	12255.6	12846.9	12477.1	13304.0
52.5°	12392.2	12448.8	12309.8	12283.9	12632.5	12816.3	14130.9	14350.0	13544.3	14526.7
55°	13037.8	13103.7	13263.9	13445.3	14116.8	14357.1	15947.4	15775.4	14437.2	15586.9
57.5°	13951.9	13857.6	14105.0	14463.1	15549.2	15839.0	17707.2	17120.6	15155.8	16446.8
60°	15061.5	15075.7	15118.1	15570.4	16979.3	17351.5	19441.2	18392.8	15617.5	16974.5
62.5°	16395.0	16416.2	16503.4	17198.4	18899.3	19250.4	21288.3	19434.1	15829.6	16826.1
65°	16303.1	16392.6	17365.6	19742.8	21818.4	22164.7	23444.0	20164.5	15509.1	15469.1
67.5°	14851.8	14997.9	16625.9	22781.9	26219.2	26605.6	26049.6	20308.2	14126.2	12029.4
70°	12948.2	13000.1	14957.9	25514.8	31315.1	31706.2	28382.0	18727.4	10719.5	6709.7
72.5°	10111.7	10123.5	12420.5	26148.6	34081.0	34102.2	26551.4	13902.4	5765.0	2577.4
75°	7223.3	7152.6	8318.8	21205.8	29984.0	30224.3	19905.3	6521.2	2202.8	1218.0
77.5°	3873.2	3950.9	4707.2	12576.0	20713.4	21123.4	10860.9	1880.0	1121.4	829.3
80°	1196.8	1262.8	1929.5	5757.9	11732.6	11980.0	4026.3	836.4	782.2	591.3
82.5°	377.0	391.1	900.0	2419.5	4869.7	4982.8	1166.2	473.5	534.8	391.1
85°	108.4	110.7	400.5	902.3	1203.9	1227.4	327.5	183.8	306.3	242.7
87.5°	11.8	37.7	150.8	150.8	106.0	103.7	35.3	40.1	87.2	30.6
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°
4660.0	0°	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0
4681.3	2.5°	4669.5	4671.8	4641.2	4589.4	4532.8	4485.7	4426.8	4379.7	4346.7	4337.3
4723.7	5°	4702.5	4686.0	4598.8	4440.9	4252.5	4089.9	3908.5	3764.8	3670.6	3630.5
4768.4	7.5°	4751.9	4704.8	4514.0	4203.0	3842.5	3522.1	3197.0	2944.9	2784.7	2704.6
4810.8	10°	4794.3	4700.1	4372.6	3859.0	3307.7	2822.4	2384.2	2080.3	1910.7	1830.6
4860.3	12.5°	4834.4	4697.7	4188.9	3451.5	2704.6	2110.9	1703.3	1552.6	1505.4	1489.0
4940.4	15°	4909.8	4704.8	3958.0	2985.0	2103.9	1595.0	1446.5	1444.2	1453.6	1448.9
5062.9	17.5°	5013.4	4711.9	3696.5	2490.2	1623.2	1406.5	1399.4	1420.6	1434.8	1427.7
5216.0	20°	5147.7	4740.1	3418.5	2000.2	1394.7	1359.4	1375.9	1394.7	1406.5	1394.7
5421.0	22.5°	5336.2	4789.6	3114.6	1606.8	1321.7	1331.1	1345.2	1366.4	1378.2	1361.7
5682.5	25°	5567.1	4867.4	2815.3	1397.1	1286.3	1298.1	1319.3	1342.9	1357.0	1340.5
6012.4	27.5°	5866.3	4992.2	2539.7	1350.0	1251.0	1258.1	1288.7	1324.0	1342.9	1321.7
6481.2	30°	6299.8	5197.2	2301.8	1371.2	1229.8	1213.3	1255.7	1305.2	1326.4	1307.5
7119.6	32.5°	6874.6	5487.0	2155.7	1404.1	1220.4	1161.5	1201.5	1265.1	1300.5	1288.7
7953.7	35°	7628.5	5927.5	2099.1	1441.8	1213.3	1107.3	1135.6	1203.9	1265.1	1276.9
9004.4	37.5°	8542.6	6540.1	2115.6	1458.3	1192.1	1062.5	1076.7	1135.6	1215.7	1253.4
10187.1	40°	9581.6	7253.9	2209.9	1441.8	1168.5	1024.8	1027.2	1072.0	1142.6	1199.2
11459.3	42.5°	10653.6	8087.9	2384.2	1380.6	1147.3	991.9	984.8	1015.4	1062.5	1102.6
12729.1	45°	11673.7	8945.5	2556.2	1295.8	1121.4	958.9	942.4	954.2	963.6	980.1
13966.0	47.5°	12564.2	9548.6	2506.7	1218.0	1086.1	921.2	892.9	888.2	859.9	857.6
15070.9	50°	13179.1	9680.6	2226.4	1140.3	1034.3	878.8	834.0	805.7	756.3	732.7
15897.9	52.5°	13374.7	9159.9	1818.8	1062.5	949.4	822.2	758.6	713.8	652.6	631.4
16373.8	55°	13115.5	8139.8	1453.6	968.3	831.6	746.8	676.2	617.3	567.8	541.9
16425.6	57.5°	12481.8	6841.6	1149.7	857.6	706.8	662.0	591.3	532.4	490.0	464.1
15850.8	60°	11431.0	5432.8	909.4	725.6	603.1	570.1	497.1	459.4	421.7	391.1
14366.5	62.5°	9836.0	3877.9	713.8	574.8	504.2	466.5	424.1	395.8	351.0	308.6
11697.2	65°	7675.6	2372.4	551.3	421.7	405.2	386.4	360.5	334.5	280.4	237.9
7630.9	67.5°	4841.5	1123.8	393.4	318.1	320.4	311.0	299.2	278.0	237.9	200.3
3418.5	70°	2132.1	544.2	259.2	242.7	237.9	237.9	247.4	240.3	202.6	167.3
1187.4	72.5°	725.6	292.1	193.2	183.8	172.0	169.6	207.3	200.3	162.6	129.6
591.3	75°	379.3	195.5	141.4	131.9	103.7	124.9	164.9	155.5	115.4	84.8
391.1	77.5°	247.4	139.0	96.6	84.8	58.9	82.5	122.5	108.4	68.3	42.4
256.8	80°	155.5	91.9	56.5	40.1	28.3	44.8	66.0	47.1	25.9	9.4
150.8	82.5°	82.5	47.1	21.2	14.1	11.8	14.1	16.5	11.8	4.7	0.0
77.7	85°	33.0	16.5	7.1	4.7	2.4	0.0	4.7	2.4	0.0	0.0
14.1	87.5°	11.8	2.4	0.0	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°
4660.0
4353.8
3644.6
2716.4
1832.9
1484.2
1446.5
1425.3
1392.4
1359.4
1338.2
1321.7
1305.2
1288.7
1276.9
1262.8
1218.0
1119.1
989.5
855.2
735.1
629.0
541.9
459.4
384.0
301.6
230.9
195.5
160.2
122.5
77.7
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