

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: P853184

Luminaire Tested: **GLAN-SB9B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853184  
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-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 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: 30963 lumens  
Efficiency: N/A  
Efficacy: 94.0 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

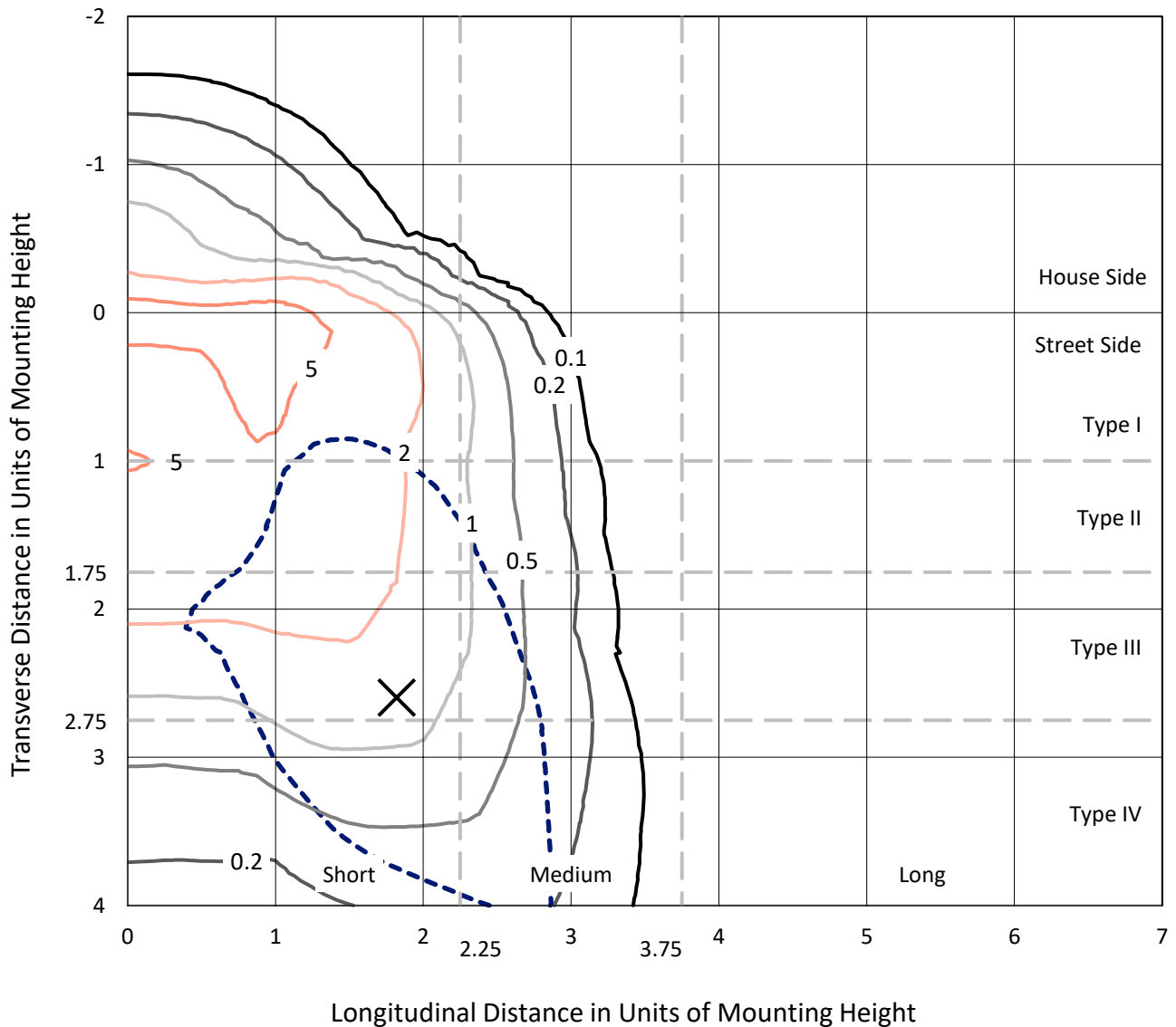
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

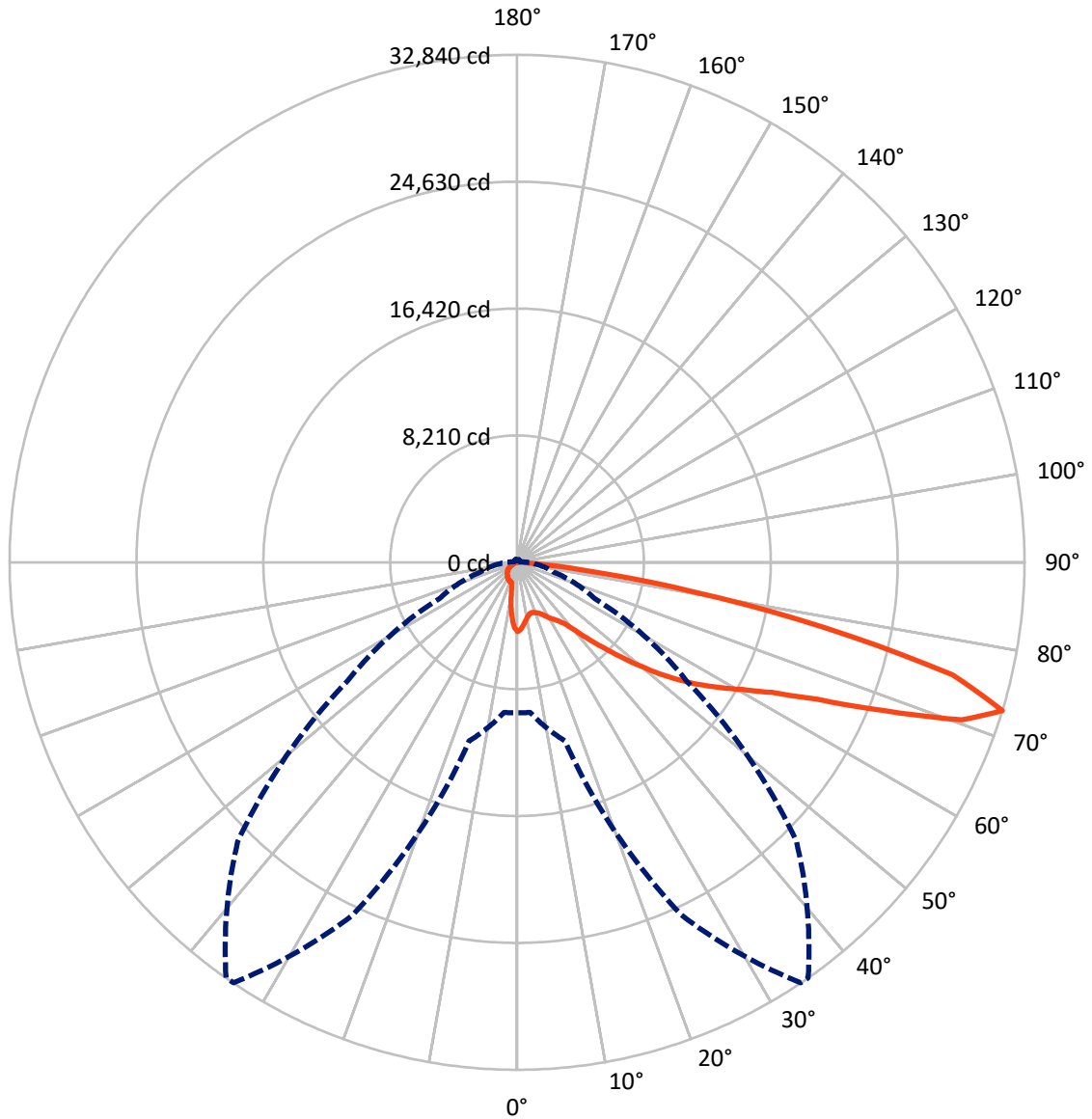
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	3484.7	0.0	3484.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	27478.3	0.0	27478.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	30963.0	0.0	30963.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.8	1.2
10°-20°	862.7	2.8
20°-30°	1401.4	4.5
30°-40°	2338.2	7.6
40°-50°	4423.9	14.3
50°-60°	7029.6	22.7
60°-70°	8696.1	28.1
70°-80°	5405.5	17.5
80°-90°	436.9	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°	30963.0	100.0
0°-180°	30963.0	100.0

**Coefficient of Utilization**

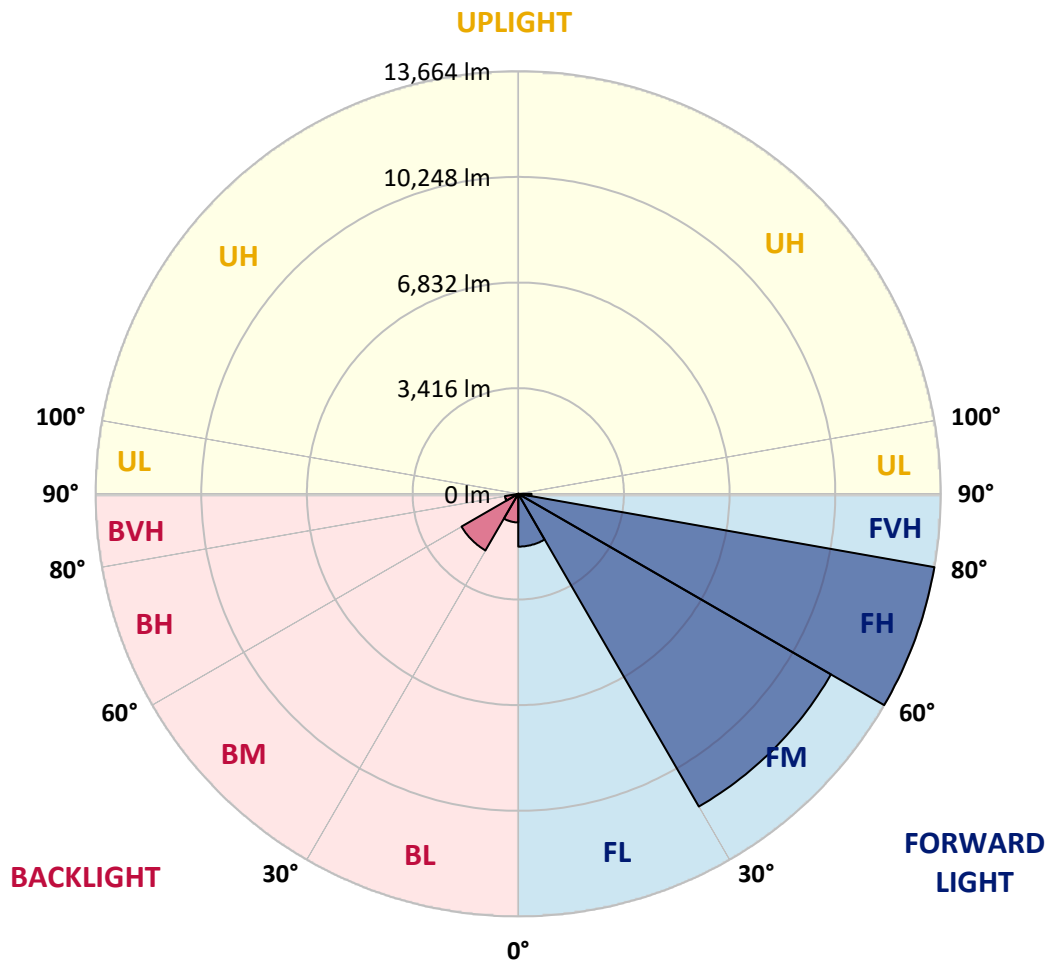


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1706.8	5.5			
FM (30°-60°)	11676.1	37.7			
FH (60°-80°)	13664.4	44.1			G5
FVH (80°-90°)	430.9	1.4			G3/500
BL (0°-30°)	926.0	3.0	B2/1000		
BM (30°-60°)	2115.5	6.8	B2/2500		
BH (60°-80°)	437.3	1.4	B1/500		G1/500
BVH (80°-90°)	5.9	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°	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6
2.5°	4287.9	4324.2	4331.0	4342.4	4342.4	4356.0	4378.7	4410.4	4462.6	4489.8
5°	3952.2	3979.4	4013.4	4040.6	4092.8	4099.6	4188.1	4274.3	4394.6	4485.3
7.5°	3614.1	3645.9	3691.2	3757.0	3825.1	3845.5	3979.4	4124.6	4315.2	4485.3
10°	3375.9	3378.2	3419.0	3484.8	3593.7	3618.6	3782.0	3988.5	4226.7	4458.1
12.5°	3242.0	3257.9	3276.1	3326.0	3430.3	3446.2	3620.9	3863.7	4138.2	4442.2
15°	3242.0	3253.4	3264.7	3289.7	3373.6	3387.2	3541.5	3784.3	4092.8	4449.0
17.5°	3276.1	3294.2	3285.1	3314.6	3403.1	3412.2	3548.3	3761.6	4090.5	4492.1
20°	3357.7	3371.4	3353.2	3371.4	3459.8	3478.0	3618.6	3804.7	4129.1	4567.0
22.5°	3487.1	3493.9	3450.8	3464.4	3555.1	3577.8	3741.2	3927.2	4222.1	4687.2
25°	3650.4	3664.0	3598.2	3614.1	3700.3	3727.5	3915.9	4111.0	4369.6	4852.8
27.5°	3838.7	3845.5	3788.8	3786.5	3897.7	3936.3	4126.8	4337.8	4567.0	5061.6
30°	4054.2	4074.7	4020.2	4011.1	4151.8	4183.6	4371.9	4616.9	4857.4	5374.7
32.5°	4224.4	4240.3	4208.5	4231.2	4374.1	4399.1	4669.1	5011.7	5313.4	5819.3
35°	4469.4	4478.5	4405.9	4446.7	4610.1	4673.6	5075.2	5565.2	5887.4	6377.4
37.5°	5356.5	5356.5	5048.0	4846.0	5002.6	5059.3	5631.0	6261.7	6595.2	7126.1
40°	6583.9	6563.5	6112.0	5699.1	5678.7	5789.8	6422.8	7139.7	7509.5	8024.5
42.5°	7893.0	7861.2	7246.4	6838.0	6769.9	6808.5	7337.1	8221.9	8598.5	9120.4
45°	9054.6	9045.5	8482.8	7933.8	7811.3	7933.8	8478.3	9487.9	9757.9	10306.9
47.5°	10027.9	10027.9	9617.2	9258.7	9195.2	9267.8	10023.3	10892.2	10867.3	11570.6
50°	11148.6	11139.5	10749.3	10595.0	10660.8	10762.9	11802.0	12371.5	12015.3	12811.6
52.5°	11933.6	11988.0	11854.2	11829.2	12165.0	12342.0	13607.9	13818.9	13043.0	13989.1
55°	12555.2	12618.8	12773.0	12947.7	13594.3	13825.7	15357.1	15191.5	13902.9	15010.0
57.5°	13435.5	13344.8	13583.0	13927.8	14973.7	15252.8	17051.9	16487.0	14594.8	15838.1
60°	14504.1	14517.7	14558.5	14994.1	16350.8	16709.3	18721.7	17712.1	15039.5	16346.3
62.5°	15788.2	15808.6	15892.6	16561.8	18199.9	18537.9	20500.4	18714.9	15243.7	16203.4
65°	15699.7	15785.9	16722.9	19012.1	21010.8	21344.3	22576.3	19418.2	14935.1	14896.6
67.5°	14302.2	14442.8	16010.5	21938.8	25248.9	25620.9	25085.5	19556.6	13603.4	11584.2
70°	12469.0	12518.9	14404.3	24570.5	30156.2	30532.8	27331.6	18034.3	10322.8	6461.4
72.5°	9737.5	9748.8	11960.8	25180.8	32819.7	32840.1	25568.8	13387.9	5551.6	2482.0
75°	6956.0	6887.9	8010.9	20421.0	28874.3	29105.7	19168.6	6279.9	2121.3	1172.9
77.5°	3729.8	3804.7	4533.0	12110.6	19946.8	20341.6	10458.9	1810.5	1079.9	798.6
80°	1152.5	1216.0	1858.1	5544.8	11298.3	11536.6	3877.3	805.4	753.2	569.5
82.5°	363.0	376.6	866.7	2330.0	4689.5	4798.4	1123.0	456.0	515.0	376.6
85°	104.4	106.6	385.7	868.9	1159.3	1182.0	315.4	177.0	294.9	233.7
87.5°	11.3	36.3	145.2	145.2	102.1	99.8	34.0	38.6	83.9	29.5
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°
4487.6	0°	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6	4487.6
4508.0	2.5°	4496.7	4498.9	4469.4	4419.5	4365.1	4319.7	4263.0	4217.6	4185.8	4176.8
4548.8	5°	4528.4	4512.5	4428.6	4276.6	4095.1	3938.5	3763.8	3625.5	3534.7	3496.1
4591.9	7.5°	4576.1	4530.7	4346.9	4047.4	3700.3	3391.8	3078.7	2835.9	2681.7	2604.5
4632.8	10°	4616.9	4526.1	4210.8	3716.2	3185.3	2718.0	2296.0	2003.3	1840.0	1762.8
4680.4	12.5°	4655.5	4523.9	4033.8	3323.7	2604.5	2032.8	1640.3	1495.1	1449.7	1433.8
4757.6	15°	4728.1	4530.7	3811.5	2874.5	2026.0	1535.9	1393.0	1390.7	1399.8	1395.3
4875.5	17.5°	4827.9	4537.5	3559.7	2398.1	1563.2	1354.4	1347.6	1368.1	1381.7	1374.9
5023.0	20°	4957.2	4564.7	3291.9	1926.2	1343.1	1309.1	1324.9	1343.1	1354.4	1343.1
5220.4	22.5°	5138.7	4612.4	2999.3	1547.3	1272.8	1281.8	1295.5	1315.9	1327.2	1311.3
5472.2	25°	5361.0	4687.2	2711.1	1345.4	1238.7	1250.1	1270.5	1293.2	1306.8	1290.9
5789.8	27.5°	5649.2	4807.5	2445.7	1300.0	1204.7	1211.5	1241.0	1275.0	1293.2	1272.8
6241.3	30°	6066.6	5004.9	2216.6	1320.4	1184.3	1168.4	1209.2	1256.9	1277.3	1259.2
6856.1	32.5°	6620.2	5283.9	2075.9	1352.2	1175.2	1118.5	1157.1	1218.3	1252.3	1241.0
7659.3	35°	7346.2	5708.2	2021.5	1388.5	1168.4	1066.3	1093.5	1159.3	1218.3	1229.7
8671.1	37.5°	8226.5	6298.0	2037.3	1404.4	1148.0	1023.2	1036.8	1093.5	1170.7	1207.0
9810.1	40°	9227.0	6985.5	2128.1	1388.5	1125.3	986.9	989.2	1032.3	1100.3	1154.8
11035.2	42.5°	10259.3	7788.6	2296.0	1329.5	1104.9	955.1	948.3	977.8	1023.2	1061.8
12258.0	45°	11241.6	8614.4	2461.6	1247.8	1079.9	923.4	907.5	918.8	927.9	943.8
13449.1	47.5°	12099.2	9195.2	2413.9	1172.9	1045.9	887.1	859.9	855.3	828.1	825.8
14513.2	50°	12691.4	9322.3	2144.0	1098.1	996.0	846.2	803.1	775.9	728.3	705.6
15309.5	52.5°	12879.7	8820.9	1751.5	1023.2	914.3	791.8	730.5	687.4	628.4	608.0
15767.8	55°	12630.1	7838.5	1399.8	932.5	800.9	719.2	651.1	594.4	546.8	521.8
15817.7	57.5°	12019.8	6588.4	1107.1	825.8	680.6	637.5	569.5	512.7	471.9	446.9
15264.1	60°	11007.9	5231.7	875.7	698.8	580.8	549.0	478.7	442.4	406.1	376.6
13834.8	62.5°	9472.0	3734.4	687.4	553.6	485.5	449.2	408.4	381.1	338.0	297.2
11264.3	65°	7391.6	2284.6	530.9	406.1	390.2	372.1	347.1	322.2	270.0	229.1
7348.5	67.5°	4662.3	1082.2	378.9	306.3	308.5	299.5	288.1	267.7	229.1	192.8
3291.9	70°	2053.2	524.1	249.6	233.7	229.1	229.1	238.2	231.4	195.1	161.1
1143.4	72.5°	698.8	281.3	186.0	177.0	165.6	163.3	199.6	192.8	156.5	124.8
569.5	75°	365.3	188.3	136.1	127.0	99.8	120.2	158.8	149.7	111.2	81.7
376.6	77.5°	238.2	133.9	93.0	81.7	56.7	79.4	118.0	104.4	65.8	40.8
247.3	80°	149.7	88.5	54.4	38.6	27.2	43.1	63.5	45.4	25.0	9.1
145.2	82.5°	79.4	45.4	20.4	13.6	11.3	13.6	15.9	11.3	4.5	0.0
74.9	85°	31.8	15.9	6.8	4.5	2.3	0.0	4.5	2.3	0.0	0.0
13.6	87.5°	11.3	2.3	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°
4487.6
4192.6
3509.7
2615.9
1765.1
1429.3
1393.0
1372.6
1340.8
1309.1
1288.6
1272.8
1256.9
1241.0
1229.7
1216.0
1172.9
1077.7
952.9
823.6
707.8
605.8
521.8
442.4
369.8
290.4
222.3
188.3
154.3
<i>118.0</i>
74.9
36.3
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