

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: P850753

Luminaire Tested: **GLAN-SB8B-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30451 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

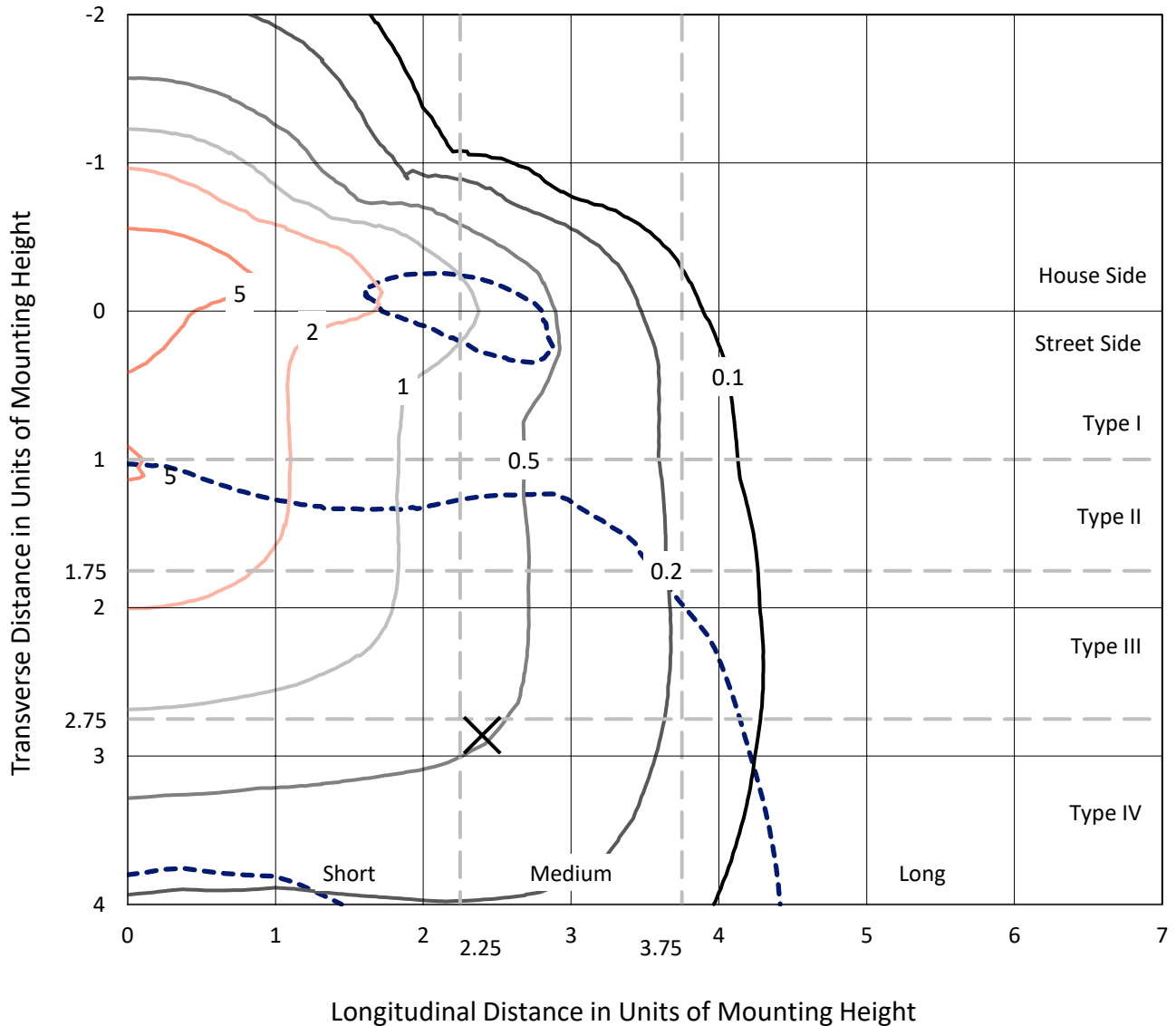
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

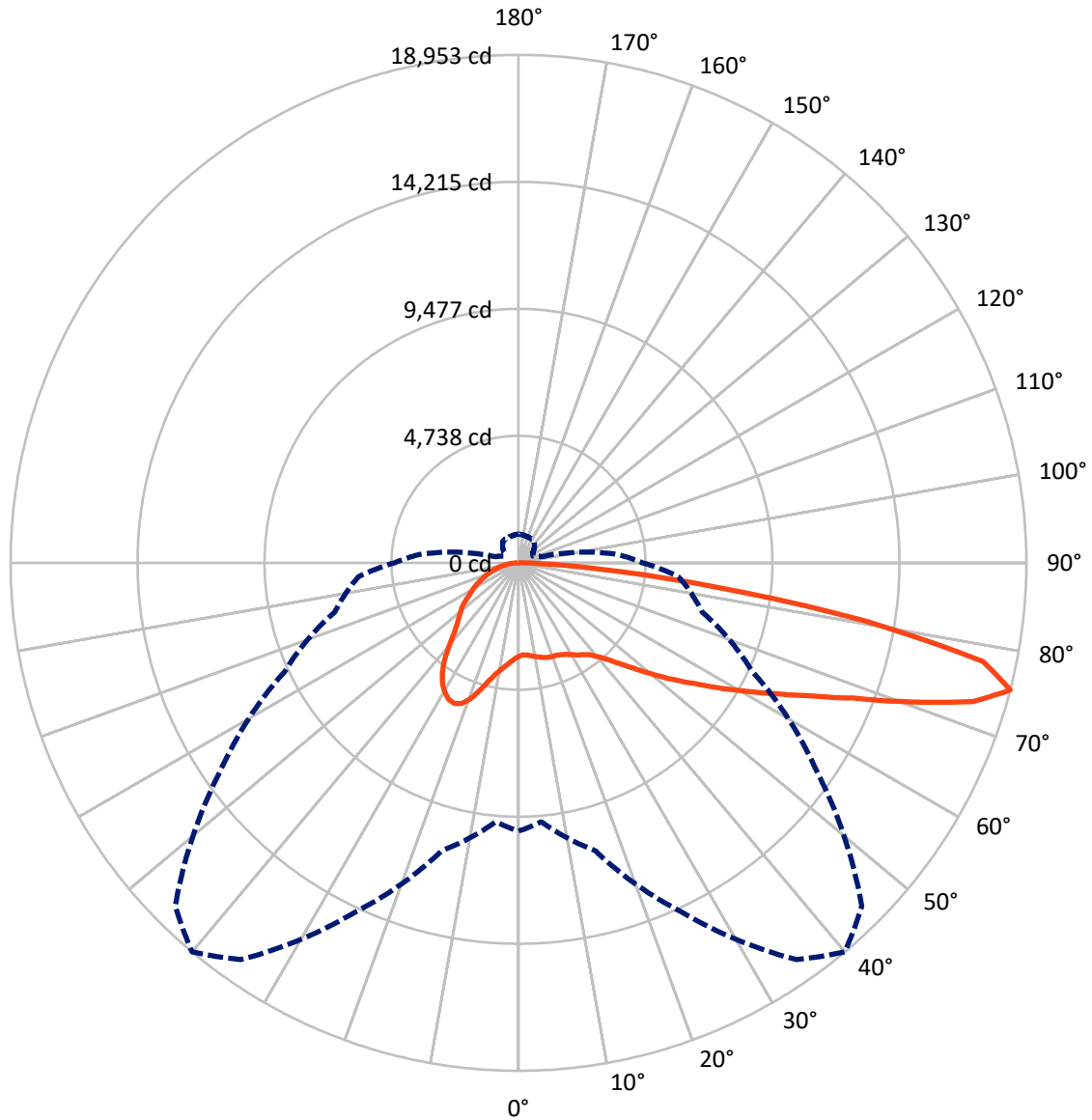
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9434.7	0.0	9434.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	21016.3	0.0	21016.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	30451.0	0.0	30451.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.6	1.1
10°-20°	1167.0	3.8
20°-30°	2130.8	7.0
30°-40°	3022.1	9.9
40°-50°	4080.7	13.4
50°-60°	5489.7	18.0
60°-70°	6967.7	22.9
70°-80°	6323.6	20.8
80°-90°	921.8	3.0
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°	30451.0	100.0
0°-180°	30451.0	100.0

**Coefficient of Utilization**

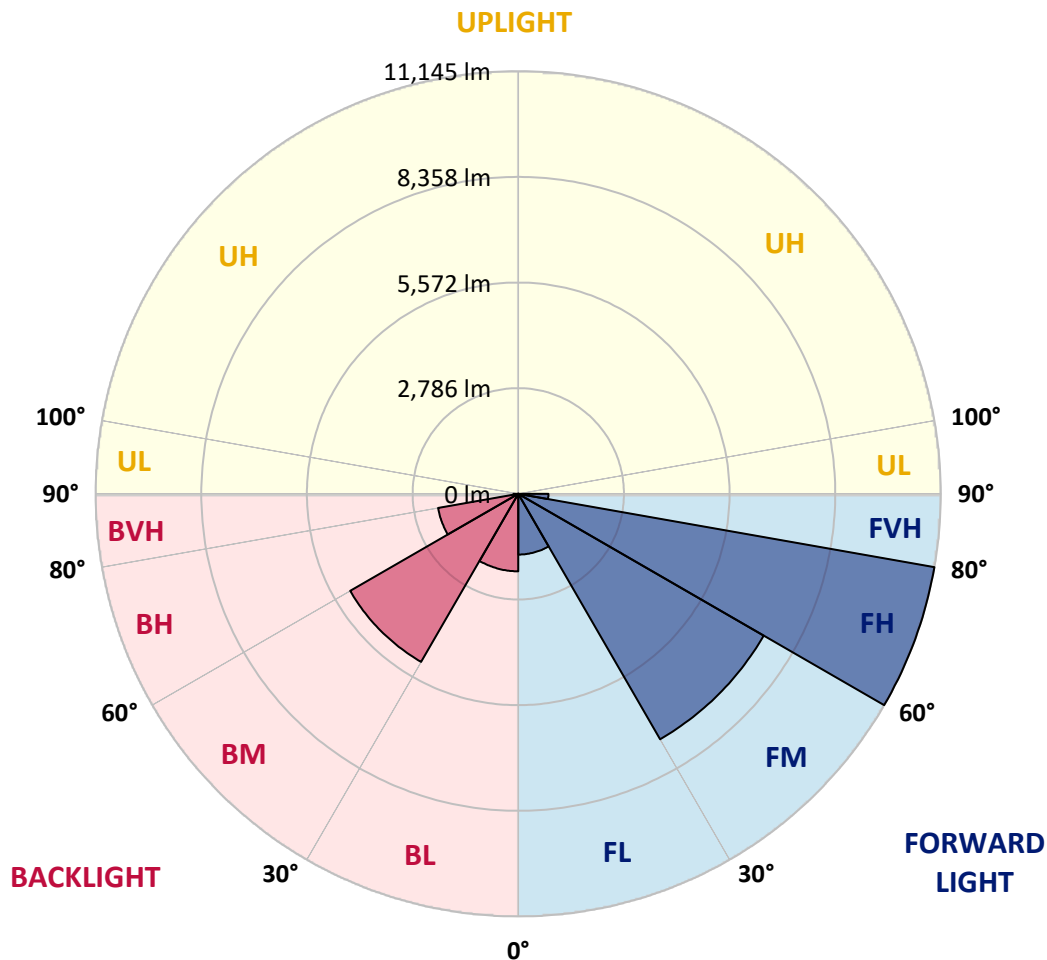


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1601.8	5.3			
FM (30°-60°)	7475.0	24.5			
FH (60°-80°)	11144.6	36.6			G4/12000
FVH (80°-90°)	794.9	2.6			G5
BL (0°-30°)	2043.7	6.7	B3/2500		
BM (30°-60°)	5117.5	16.8	B4/8500		
BH (60°-80°)	2146.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	126.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1
2.5°	3428.8	3448.2	3443.4	3436.9	3436.9	3438.5	3436.9	3448.2	3459.5	3470.8
5°	3464.3	3483.7	3474.0	3466.0	3459.5	3457.9	3453.0	3451.4	3457.9	3472.4
7.5°	3533.8	3553.2	3538.6	3524.1	3511.2	3504.7	3498.3	3488.6	3483.7	3491.8
10°	3611.3	3630.7	3612.9	3587.1	3566.1	3558.0	3551.6	3541.9	3535.4	3540.3
12.5°	3688.8	3708.2	3684.0	3648.5	3621.0	3616.2	3608.1	3604.9	3603.2	3601.6
15°	3761.5	3777.7	3747.0	3705.0	3675.9	3667.8	3659.8	3664.6	3672.7	3682.4
17.5°	3818.0	3834.2	3789.0	3734.1	3706.6	3703.4	3698.5	3714.7	3737.3	3761.5
20°	3869.7	3885.9	3827.7	3753.4	3721.1	3721.1	3722.8	3756.7	3789.0	3824.5
22.5°	3942.4	3955.3	3884.3	3782.5	3735.7	3738.9	3751.8	3785.7	3826.1	3874.6
25°	4050.6	4060.3	3973.1	3837.4	3784.1	3793.8	3805.1	3821.3	3860.0	3916.6
27.5°	4225.0	4233.1	4118.5	3934.3	3853.6	3869.7	3885.9	3874.6	3892.3	3940.8
30°	4470.5	4475.4	4330.0	4086.2	3971.5	3979.6	3982.8	3935.9	3902.0	3940.8
32.5°	4761.3	4759.6	4586.8	4270.3	4105.5	4097.5	4070.0	3977.9	3898.8	3932.7
35°	5211.9	5194.1	4971.2	4528.7	4257.4	4207.3	4142.7	4024.8	3915.0	3924.6
37.5°	5958.0	5903.1	5594.6	4951.8	4483.5	4355.9	4260.6	4100.7	3950.5	3921.4
40°	6799.5	6730.0	6390.9	5531.6	4822.6	4617.5	4464.1	4208.9	4008.6	3935.9
42.5°	7797.6	7699.1	7334.1	6214.8	5252.2	4955.1	4724.1	4346.2	4094.2	3982.8
45°	9023.5	8892.6	8375.8	6985.2	5793.3	5397.6	5089.1	4554.5	4225.0	4073.2
47.5°	10262.2	10294.5	9559.7	7867.1	6442.6	5943.5	5546.2	4867.9	4415.6	4218.6
50°	11578.5	11601.1	10737.1	8844.2	7179.0	6560.5	6059.8	5218.3	4680.5	4425.3
52.5°	12605.7	12608.9	11806.2	9866.5	7946.2	7238.8	6613.8	5618.9	4987.4	4699.9
55°	13248.5	13240.4	12555.6	10834.0	8828.0	7951.0	7227.5	6074.3	5362.1	5022.9
57.5°	13715.3	13691.0	13072.5	11665.7	9768.0	8792.5	7922.0	6591.1	5804.6	5407.3
60°	13892.9	13878.4	13422.9	12384.4	10756.4	9722.8	8723.0	7169.3	6306.9	5861.1
62.5°	13960.8	13988.2	13766.9	13080.5	11814.3	10753.2	9603.3	7860.6	6872.2	6374.7
65°	14199.8	14249.9	14204.6	13991.4	13009.5	11959.7	10771.0	8682.7	7489.1	6925.5
67.5°	14673.0	14723.1	14742.5	15081.6	14469.5	13463.3	12227.8	9706.6	8211.1	7497.2
70°	14661.7	14647.2	14989.6	15948.9	16297.8	15545.1	14191.7	10966.4	9071.9	7972.0
72.5°	13345.4	13229.1	14038.3	15939.2	17819.2	17719.0	16590.1	12591.2	9814.8	8030.2
75°	10011.9	9701.8	11131.1	14364.5	18072.7	18953.0	18114.7	13599.0	9638.8	7095.0
77.5°	4281.6	3969.9	5654.4	10633.7	16175.0	17717.4	16716.1	11864.4	7694.2	4691.8
80°	1120.9	1119.3	1708.8	4821.0	11000.3	13083.8	11478.4	7661.9	4396.2	1676.5
82.5°	463.5	452.2	628.3	1875.1	5375.0	7342.2	5991.9	3417.5	1587.6	453.8
85°	172.8	171.2	305.3	647.6	1896.1	3028.3	2191.7	873.8	395.7	221.3
87.5°	48.5	46.8	66.2	224.5	461.9	700.9	374.7	143.7	111.4	87.2
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°
3482.1	0°	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1	3482.1
3488.6	2.5°	3493.4	3501.5	3516.0	3527.3	3541.9	3558.0	3580.6	3595.2	3609.7	3619.4
3496.6	5°	3508.0	3525.7	3562.9	3600.0	3643.6	3684.0	3730.8	3764.8	3792.2	3800.3
3525.7	7.5°	3540.3	3569.3	3632.3	3695.3	3764.8	3831.0	3898.8	3956.9	4003.8	4021.5
3577.4	10°	3596.8	3635.5	3724.4	3813.2	3905.3	4007.0	4094.2	4178.2	4244.4	4271.9
3638.8	12.5°	3667.8	3716.3	3832.6	3955.3	4082.9	4223.4	4336.5	4439.9	4522.2	4559.4
3724.4	15°	3759.9	3822.9	3971.5	4136.2	4323.6	4519.0	4662.7	4777.4	4869.5	4914.7
3813.2	17.5°	3860.0	3944.0	4131.4	4380.1	4648.2	4905.0	5073.0	5157.0	5252.2	5295.8
3895.6	20°	3956.9	4060.3	4328.4	4690.2	5047.1	5320.1	5455.7	5478.4	5484.8	5489.7
3973.1	22.5°	4057.1	4196.0	4575.5	5081.0	5463.8	5652.8	5672.2	5575.3	5439.6	5376.6
4049.0	25°	4166.9	4351.0	4898.5	5512.3	5822.4	5845.0	5696.4	5460.6	5203.8	5085.9
4110.4	27.5°	4273.5	4530.3	5286.2	5924.1	6080.8	5882.1	5562.3	5228.0	4917.9	4793.6
4154.0	30°	4380.1	4735.4	5714.2	6284.3	6198.7	5790.1	5350.8	4977.7	4666.0	4535.1
4192.7	32.5°	4488.3	4974.4	6206.8	6544.3	6177.7	5594.6	5087.5	4696.7	4422.1	4284.8
4226.7	35°	4611.1	5268.4	6673.5	6686.4	6037.2	5307.2	4740.3	4360.7	4121.7	4011.9
4267.0	37.5°	4770.9	5641.5	7085.4	6722.0	5791.7	4885.6	4309.0	3963.4	3766.4	3716.3
4326.8	40°	4969.6	6090.5	7400.3	6665.4	5428.3	4373.6	3837.4	3561.3	3449.8	3461.1
4407.6	42.5°	5228.0	6592.8	7621.6	6520.1	4922.8	3845.5	3424.0	3301.2	3354.5	3399.7
4528.7	45°	5564.0	7114.4	7758.8	6273.0	4351.0	3398.1	3180.1	3209.2	3249.5	3254.4
4724.1	47.5°	5993.6	7642.6	7849.3	5899.9	3768.0	3083.2	3025.0	3031.5	3023.4	2989.5
5016.4	50°	6529.8	8156.2	7930.0	5405.7	3272.2	2886.1	2808.6	2786.0	2674.6	2564.7
5405.7	52.5°	7140.3	8627.8	7964.0	4791.9	2886.1	2721.4	2595.4	2453.3	2245.0	2211.0
5895.0	55°	7818.6	9063.8	7876.7	4037.7	2561.5	2509.8	2319.3	2148.1	2125.4	2096.4
6539.5	57.5°	8629.4	9533.8	7699.1	3196.2	2228.8	2262.7	2077.0	2096.4	2056.0	2010.8
7368.0	60°	9516.1	10020.0	7387.4	2429.1	1884.8	1954.2	2014.0	2012.4	2001.1	1963.9
8241.8	62.5°	10313.9	10339.7	6773.6	1860.6	1582.8	1715.2	1878.3	1876.7	1867.0	1846.0
9154.3	65°	10788.7	10291.3	5749.7	1464.9	1334.1	1518.2	1694.2	1707.1	1708.8	1707.1
9840.7	67.5°	10704.8	9724.4	4344.6	1166.1	1128.9	1317.9	1511.7	1529.5	1542.4	1545.6
9927.9	70°	9755.1	8479.2	2832.9	930.3	946.4	1141.9	1338.9	1356.7	1368.0	1380.9
8614.8	72.5°	7603.8	6234.2	1621.5	752.6	786.5	990.0	1167.7	1188.7	1195.2	1219.4
5995.2	75°	4633.7	3666.2	875.4	592.7	646.0	846.3	998.1	1022.3	1033.7	1062.7
2944.3	77.5°	2203.0	1587.6	499.1	461.9	520.1	691.3	843.1	870.5	839.8	856.0
812.4	80°	744.6	589.5	314.9	352.1	397.3	539.4	675.1	702.6	638.0	634.7
269.7	82.5°	260.0	239.0	200.3	234.2	256.8	386.0	510.4	545.9	474.8	473.2
121.1	85°	101.8	96.9	111.4	127.6	153.4	237.4	335.9	353.7	292.3	235.8
35.5	87.5°	21.0	22.6	27.5	29.1	46.8	82.4	121.1	148.6	117.9	100.1
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°
3482.1
3612.9
3803.5
4023.2
4273.5
4559.4
4911.5
5294.2
5502.6
5394.4
5103.7
4808.1
4549.7
4302.6
4036.1
3751.8
3499.9
3441.7
3286.7
3015.4
2579.3
2222.4
2101.2
2002.7
1951.0
1838.0
1707.1
1548.9
1387.4
1229.1
1066.0
843.1
628.3
450.6
232.6
92.1
0.0

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