

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: P848333

Luminaire Tested: **GLAN-SB4D-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848333
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-SB4D-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33473 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

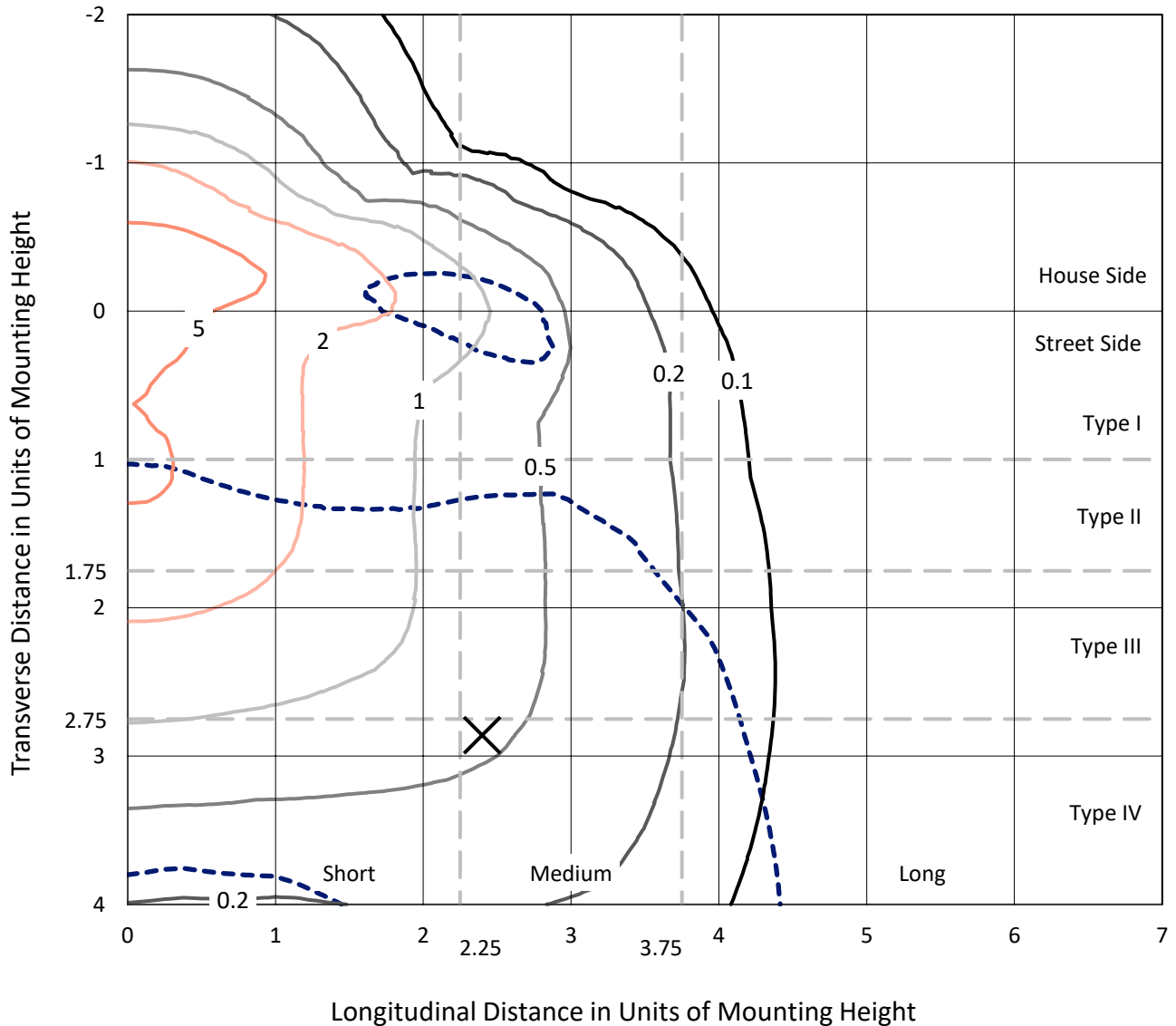
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

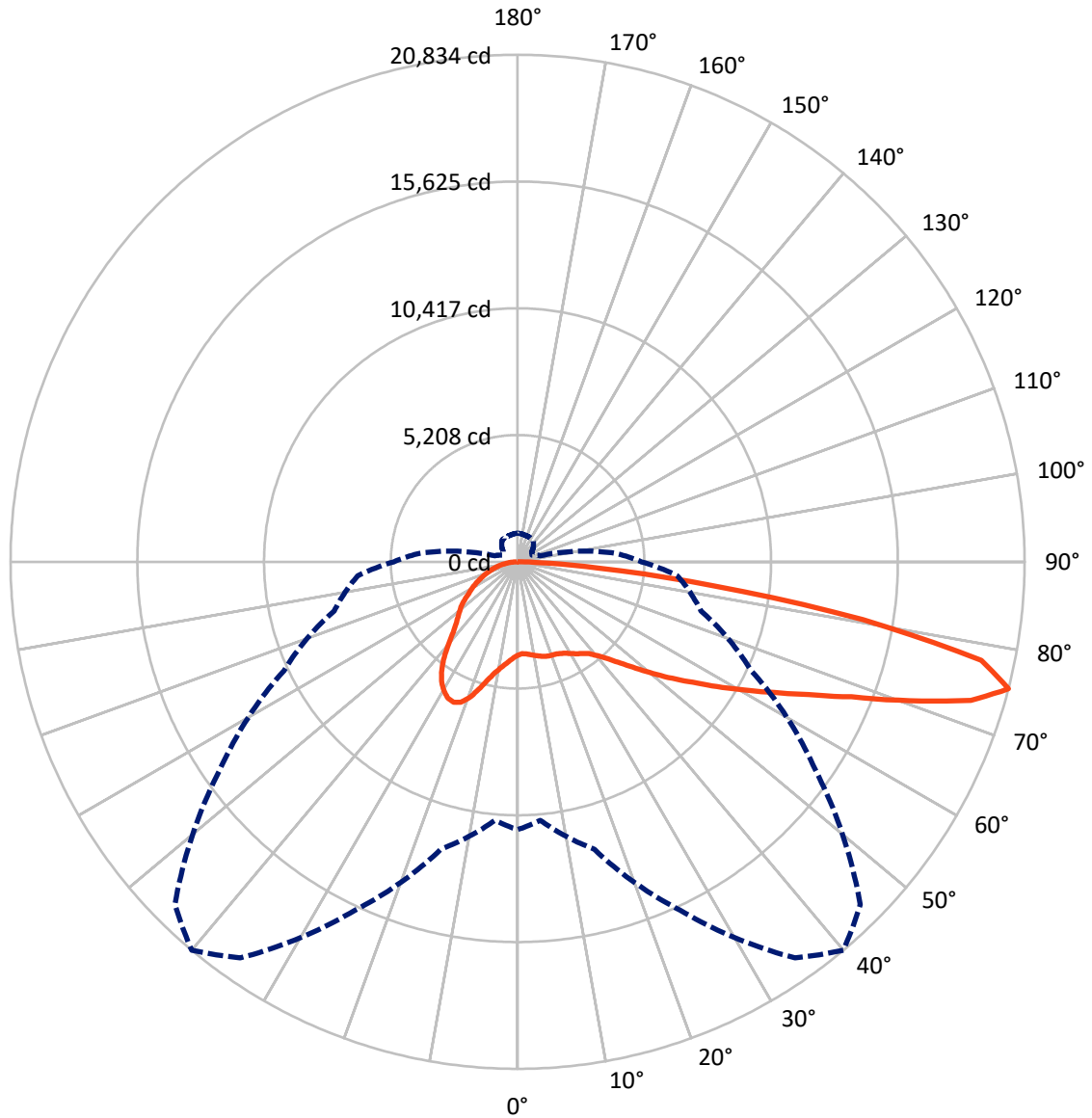
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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
House Side	Lumens	10371.1	0.0	10371.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	23102.0	0.0	23102.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	33473.0	0.0	33473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.1	1.1
10°-20°	1282.8	3.8
20°-30°	2342.3	7.0
30°-40°	3322.0	9.9
40°-50°	4485.7	13.4
50°-60°	6034.5	18.0
60°-70°	7659.2	22.9
70°-80°	6951.2	20.8
80°-90°	1013.3	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°	33473.0	100.0
0°-180°	33473.0	100.0

Coefficient of Utilization

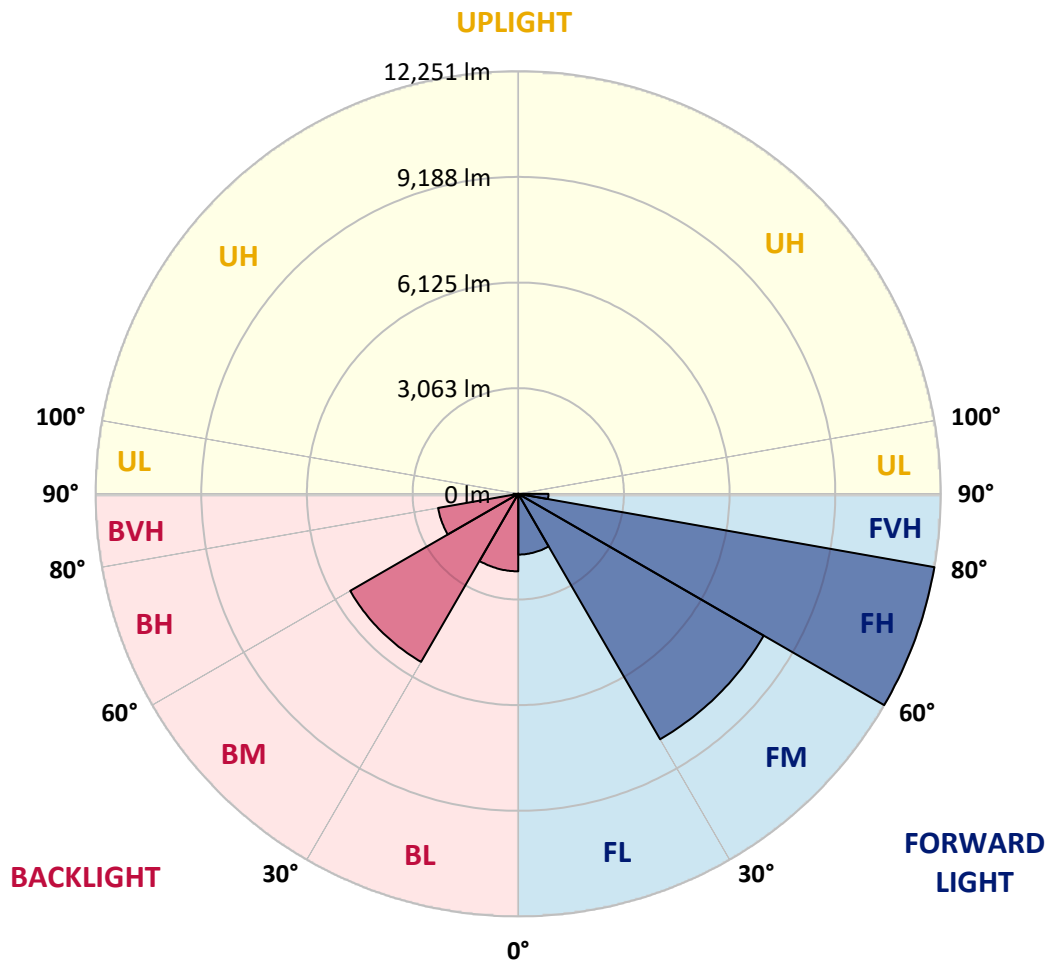


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.7	5.3			
FM (30°-60°)	8216.9	24.5			
FH (60°-80°)	12250.6	36.6			G5
FVH (80°-90°)	873.8	2.6			G5
BL (0°-30°)	2246.5	6.7	B3/2500		
BM (30°-60°)	5625.4	16.8	B4/8500		
BH (60°-80°)	2359.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	139.5	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°	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7
2.5°	3769.1	3790.4	3785.1	3778.0	3778.0	3779.7	3778.0	3790.4	3802.8	3815.3
5°	3808.2	3829.5	3818.8	3809.9	3802.8	3801.1	3795.7	3794.0	3801.1	3817.0
7.5°	3884.5	3905.8	3889.8	3873.8	3859.6	3852.5	3845.4	3834.8	3829.5	3838.3
10°	3969.7	3991.0	3971.5	3943.1	3920.0	3911.1	3904.0	3893.4	3886.3	3891.6
12.5°	4054.9	4076.2	4049.6	4010.5	3980.4	3975.0	3966.2	3962.6	3960.8	3959.1
15°	4134.8	4152.6	4118.8	4072.7	4040.7	4031.8	4023.0	4028.3	4037.2	4047.8
17.5°	4197.0	4214.7	4165.0	4104.6	4074.5	4070.9	4065.6	4083.3	4108.2	4134.8
20°	4253.8	4271.5	4207.6	4125.9	4090.4	4090.4	4092.2	4129.5	4165.0	4204.1
22.5°	4333.7	4347.9	4269.7	4157.9	4106.4	4110.0	4124.2	4161.5	4205.8	4259.1
25°	4452.6	4463.3	4367.4	4218.3	4159.7	4170.3	4182.8	4200.5	4243.1	4305.3
27.5°	4644.3	4653.2	4527.2	4324.8	4236.0	4253.8	4271.5	4259.1	4278.6	4331.9
30°	4914.2	4919.5	4759.7	4491.7	4365.6	4374.5	4378.0	4326.6	4289.3	4331.9
32.5°	5233.8	5232.0	5042.0	4694.1	4513.0	4504.1	4473.9	4372.7	4285.7	4323.0
35°	5729.1	5709.6	5464.6	4978.1	4679.9	4624.8	4553.8	4424.2	4303.5	4314.1
37.5°	6549.3	6489.0	6149.9	5443.3	4928.4	4788.2	4683.4	4507.6	4342.5	4310.6
40°	7474.3	7397.9	7025.1	6080.6	5301.2	5075.8	4907.1	4626.6	4406.5	4326.6
42.5°	8571.5	8463.2	8061.9	6831.6	5773.5	5446.8	5192.9	4777.5	4500.5	4378.0
45°	9919.0	9775.1	9207.0	7678.4	6368.2	5933.3	5594.2	5006.5	4644.3	4477.5
47.5°	11280.7	11316.2	10508.4	8647.8	7081.9	6533.3	6096.6	5350.9	4853.8	4637.2
50°	12727.6	12752.4	11802.6	9721.9	7891.5	7211.5	6661.2	5736.2	5145.0	4864.5
52.5°	13856.7	13860.3	12977.9	10845.7	8734.8	7957.2	7270.1	6176.5	5482.3	5166.3
55°	14563.3	14554.4	13801.7	11909.1	9704.1	8740.1	7944.7	6677.1	5894.2	5521.4
57.5°	15076.4	15049.8	14369.8	12823.4	10737.4	9665.1	8708.2	7245.3	6380.7	5943.9
60°	15271.7	15255.7	14755.0	13613.5	11823.9	10687.7	9588.7	7880.8	6932.8	6442.8
62.5°	15346.2	15376.4	15133.2	14378.7	12986.8	11820.4	10556.3	8640.7	7554.2	7007.4
65°	15609.0	15664.0	15614.3	15380.0	14300.5	13146.6	11839.9	9544.4	8232.4	7612.8
67.5°	16129.2	16184.2	16205.5	16578.3	15905.5	14799.4	13441.3	10669.9	9025.9	8241.2
70°	16116.7	16100.8	16477.1	17531.7	17915.2	17087.9	15600.1	12054.7	9972.2	8763.2
72.5°	14669.8	14542.0	15431.5	17521.1	19587.6	19477.5	18236.5	13840.7	10788.9	8827.1
75°	11005.5	10664.6	12235.8	15790.1	19866.3	20833.9	19912.5	14948.6	10595.4	7799.2
77.5°	4706.5	4363.8	6215.5	11689.0	17780.3	19475.7	18375.0	13041.8	8457.8	5157.4
80°	1232.1	1230.3	1878.3	5299.5	12092.0	14382.2	12617.5	8422.3	4832.5	1842.8
82.5°	509.5	497.1	690.6	2061.2	5908.4	8070.8	6586.6	3756.7	1745.2	498.9
85°	190.0	188.2	335.5	711.9	2084.3	3328.8	2409.2	960.5	435.0	243.2
87.5°	53.3	51.5	72.8	246.8	507.8	770.5	411.9	158.0	122.5	95.9
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°
3827.7	0°	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7
3834.8	2.5°	3840.1	3849.0	3865.0	3877.4	3893.4	3911.1	3936.0	3952.0	3967.9	3978.6
3843.7	5°	3856.1	3875.6	3916.5	3957.3	4005.2	4049.6	4101.1	4138.4	4168.6	4177.4
3875.6	7.5°	3891.6	3923.6	3992.8	4062.0	4138.4	4211.2	4285.7	4349.6	4401.1	4420.7
3932.4	10°	3953.7	3996.3	4094.0	4191.6	4292.8	4404.7	4500.5	4592.9	4665.7	4695.8
3999.9	12.5°	4031.8	4085.1	4212.9	4347.9	4488.1	4642.6	4766.8	4880.5	4971.0	5011.8
4094.0	15°	4133.0	4202.3	4365.6	4546.7	4752.6	4967.5	5125.5	5251.5	5352.7	5402.4
4191.6	17.5°	4243.1	4335.4	4541.4	4814.8	5109.5	5391.8	5576.4	5668.7	5773.5	5821.4
4282.2	20°	4349.6	4463.3	4758.0	5155.7	5548.0	5848.0	5997.2	6022.0	6029.1	6034.5
4367.4	22.5°	4459.7	4612.4	5029.6	5585.3	6006.1	6213.8	6235.1	6128.6	5979.4	5910.2
4450.8	25°	4580.4	4782.8	5384.7	6059.3	6400.2	6425.0	6261.7	6002.5	5720.2	5590.6
4518.3	27.5°	4697.6	4979.9	5810.8	6512.0	6684.2	6465.9	6114.3	5746.8	5406.0	5269.3
4566.2	30°	4814.8	5205.4	6281.2	6907.9	6813.8	6364.7	5881.8	5471.7	5129.0	4985.2
4608.8	32.5°	4933.7	5468.1	6822.7	7193.8	6790.8	6149.9	5592.4	5162.8	4860.9	4710.0
4646.1	35°	5068.7	5791.2	7335.8	7350.0	6636.3	5833.8	5210.7	4793.5	4530.7	4410.0
4690.5	37.5°	5244.4	6201.3	7788.5	7389.1	6366.5	5370.5	4736.7	4356.7	4140.1	4085.1
4756.2	40°	5462.8	6694.9	8134.7	7326.9	5967.0	4807.7	4218.3	3914.7	3792.2	3804.6
4845.0	42.5°	5746.8	7247.0	8377.9	7167.1	5411.3	4227.1	3763.8	3628.8	3687.4	3737.1
4978.1	45°	6116.1	7820.5	8528.8	6895.5	4782.8	3735.4	3495.7	3527.6	3572.0	3577.4
5192.9	47.5°	6588.4	8401.0	8628.3	6485.4	4141.9	3389.2	3325.3	3332.4	3323.5	3286.2
5514.3	50°	7177.8	8965.6	8717.0	5942.1	3596.9	3172.6	3087.4	3062.5	2940.0	2819.3
5942.1	52.5°	7848.9	9484.0	8754.3	5267.5	3172.6	2991.5	2853.0	2696.8	2467.8	2430.5
6480.1	55°	8594.5	9963.3	8658.4	4438.4	2815.7	2758.9	2549.4	2361.2	2336.4	2304.4
7188.4	57.5°	9485.8	10480.0	8463.2	3513.4	2450.0	2487.3	2283.1	2304.4	2260.0	2210.3
8099.2	60°	10460.4	11014.4	8120.5	2670.1	2071.8	2148.2	2213.9	2212.1	2199.7	2158.8
9059.7	62.5°	11337.5	11365.9	7445.9	2045.2	1739.9	1885.4	2064.7	2063.0	2052.3	2029.2
10062.8	65°	11859.4	11312.6	6320.3	1610.3	1466.4	1668.8	1862.4	1876.6	1878.3	1876.6
10817.3	67.5°	11767.1	10689.5	4775.7	1281.8	1241.0	1448.7	1661.7	1681.3	1695.5	1699.0
10913.2	70°	10723.2	9320.7	3114.0	1022.6	1040.4	1255.2	1471.8	1491.3	1503.7	1517.9
9469.8	72.5°	8358.4	6852.9	1782.5	827.3	864.6	1088.3	1283.6	1306.7	1313.8	1340.4
6590.1	75°	5093.5	4030.1	962.2	651.6	710.1	930.3	1097.2	1123.8	1136.2	1168.2
3236.5	77.5°	2421.6	1745.2	548.6	507.8	571.7	759.9	926.7	956.9	923.2	940.9
893.0	80°	818.4	648.0	346.2	387.0	436.7	593.0	742.1	772.3	701.3	697.7
296.5	82.5°	285.8	262.8	220.1	257.4	282.3	424.3	561.0	600.1	522.0	520.2
133.2	85°	111.8	106.5	122.5	140.3	168.7	261.0	369.3	388.8	321.3	259.2
39.1	87.5°	23.1	24.9	30.2	32.0	51.5	90.5	133.2	163.3	129.6	110.1
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°
3827.7
3971.5
4181.0
4422.4
4697.6
5011.8
5398.9
5819.6
6048.7
5929.7
5610.1
5285.3
5001.2
4729.6
4436.6
4124.2
3847.2
3783.3
3612.9
3314.6
2835.3
2442.9
2309.7
2201.4
2144.6
2020.4
1876.6
1702.6
1525.0
1351.1
1171.7
926.7
690.6
495.3
255.7
101.2
0.0

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