

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: P849043

Luminaire Tested: **GLAN-SB5D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849043
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-SB5D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 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: 32814 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

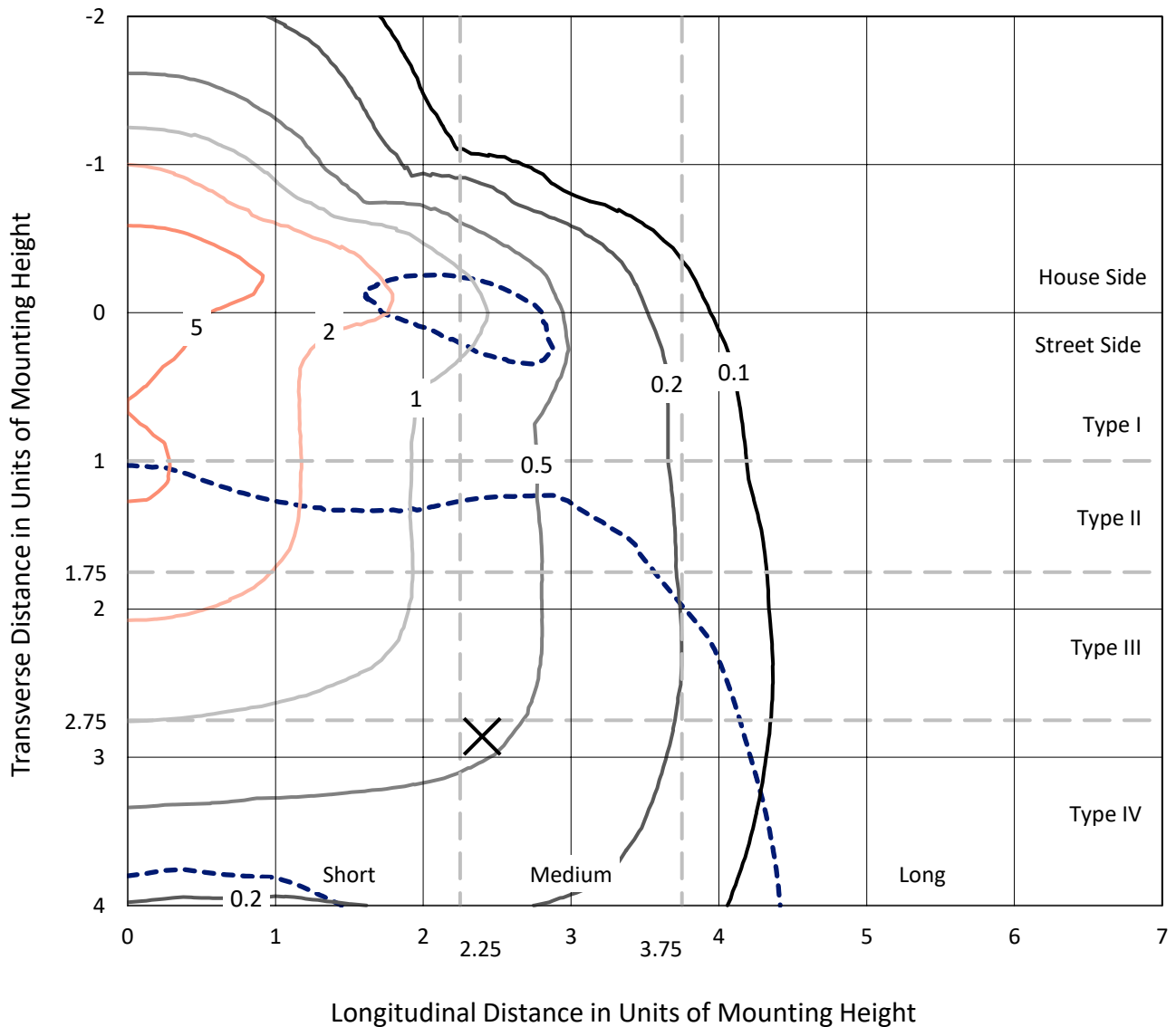
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

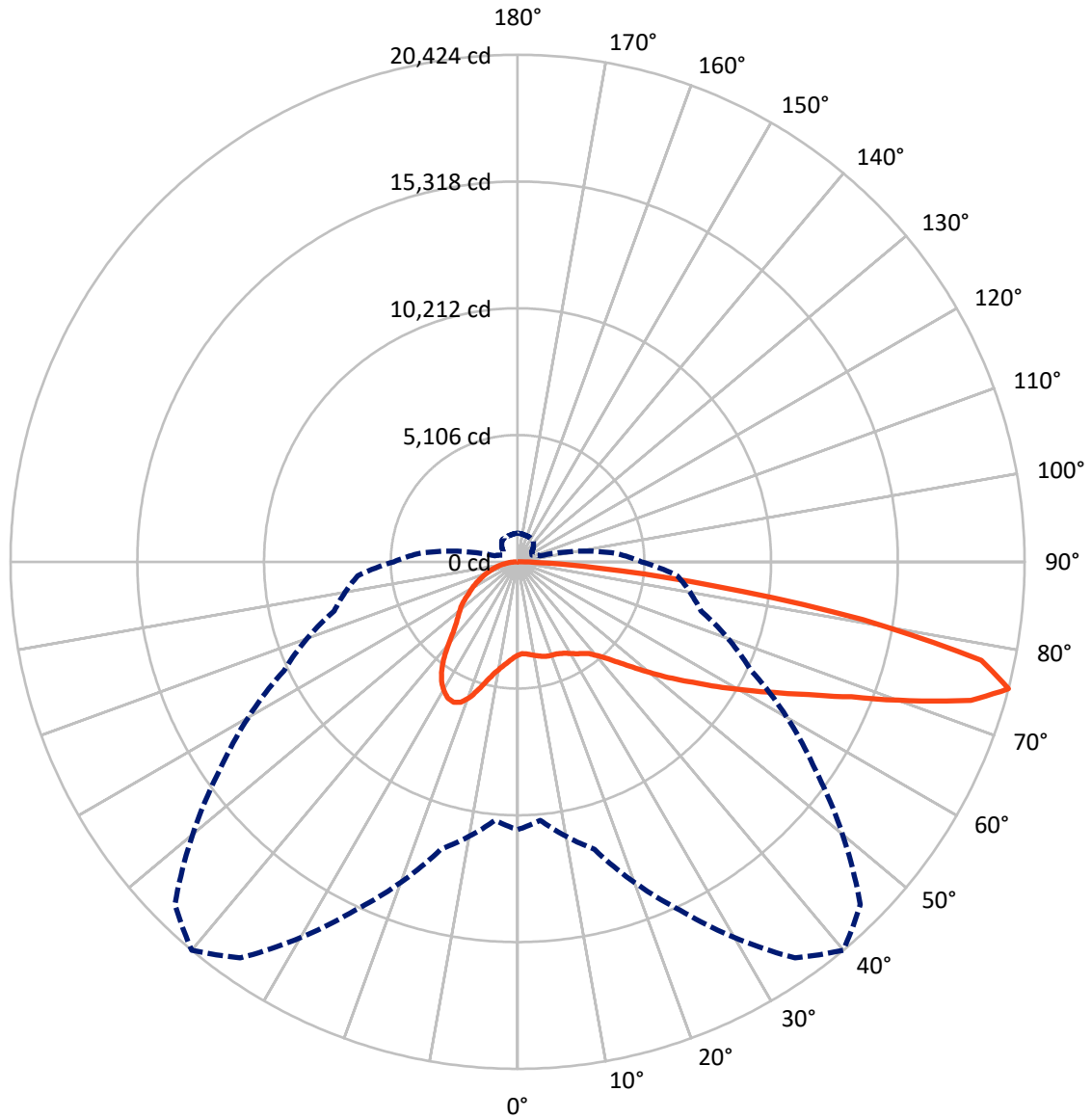
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	10166.9	0.0	10166.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22647.1	0.0	22647.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	32814.0	0.0	32814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.6	1.1
10°-20°	1257.5	3.8
20°-30°	2296.2	7.0
30°-40°	3256.6	9.9
40°-50°	4397.4	13.4
50°-60°	5915.7	18.0
60°-70°	7508.4	22.9
70°-80°	6814.3	20.8
80°-90°	993.3	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°	32814.0	100.0
0°-180°	32814.0	100.0

Coefficient of Utilization

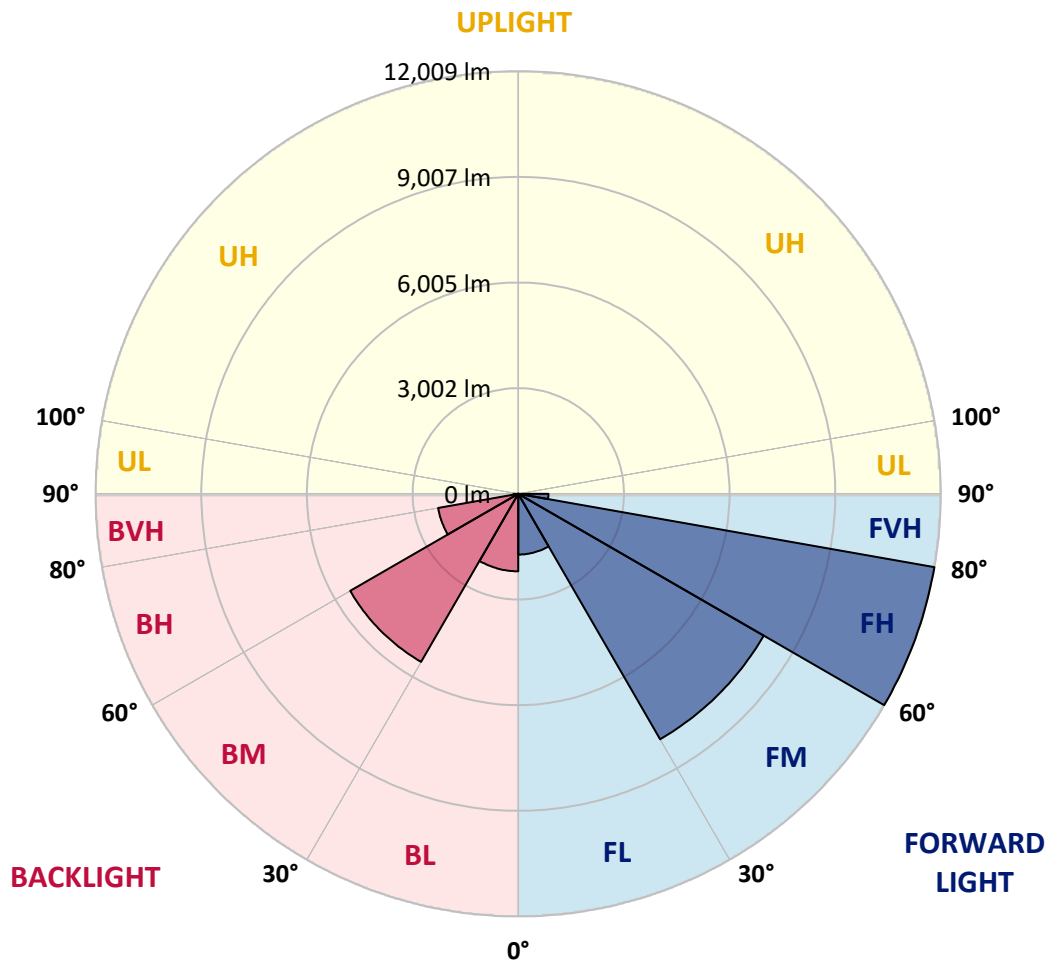


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1726.0	5.3			
FM (30°-60°)	8055.1	24.5			
FH (60°-80°)	12009.4	36.6			G5
FVH (80°-90°)	856.6	2.6			G5
BL (0°-30°)	2202.2	6.7	B3/2500		
BM (30°-60°)	5514.6	16.8	B4/8500		
BH (60°-80°)	2313.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	136.8	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°	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3
2.5°	3694.9	3715.8	3710.6	3703.6	3703.6	3705.3	3703.6	3715.8	3728.0	3740.1
5°	3733.2	3754.1	3743.6	3734.9	3728.0	3726.2	3721.0	3719.3	3726.2	3741.9
7.5°	3808.0	3828.9	3813.2	3797.6	3783.7	3776.7	3769.7	3759.3	3754.1	3762.8
10°	3891.6	3912.4	3893.3	3865.5	3842.8	3834.1	3827.2	3816.7	3809.8	3815.0
12.5°	3975.1	3996.0	3969.9	3931.6	3902.0	3896.8	3888.1	3884.6	3882.9	3881.1
15°	4053.4	4070.8	4037.8	3992.5	3961.2	3952.5	3943.8	3949.0	3957.7	3968.1
17.5°	4114.3	4131.7	4083.0	4023.8	3994.2	3990.8	3985.5	4002.9	4027.3	4053.4
20°	4170.0	4187.4	4124.8	4044.7	4009.9	4009.9	4011.6	4048.2	4083.0	4121.3
22.5°	4248.3	4262.3	4185.7	4076.0	4025.6	4029.0	4043.0	4079.5	4123.0	4175.2
25°	4364.9	4375.4	4281.4	4135.2	4077.8	4088.2	4100.4	4117.8	4159.6	4220.5
27.5°	4552.9	4561.6	4438.0	4239.6	4152.6	4170.0	4187.4	4175.2	4194.4	4246.6
30°	4817.5	4822.7	4666.0	4403.2	4279.7	4288.4	4291.9	4241.4	4204.8	4246.6
32.5°	5130.7	5129.0	4942.8	4601.6	4424.1	4415.4	4385.8	4286.6	4201.4	4237.9
35°	5616.3	5597.2	5357.0	4880.1	4587.7	4533.8	4464.2	4337.1	4218.8	4229.2
37.5°	6420.4	6361.2	6028.8	5336.1	4831.4	4693.9	4591.2	4418.9	4257.0	4225.7
40°	7327.1	7252.3	6886.8	5960.9	5196.9	4975.8	4810.5	4535.5	4319.7	4241.4
42.5°	8402.7	8296.5	7903.2	6697.1	5659.8	5339.6	5090.7	4683.4	4411.9	4291.9
45°	9723.7	9582.7	9025.8	7527.3	6242.9	5816.5	5484.0	4908.0	4552.9	4389.3
47.5°	11058.6	11093.4	10301.5	8477.5	6942.5	6404.7	5976.6	5245.6	4758.3	4546.0
50°	12477.0	12501.4	11570.2	9530.5	7736.1	7069.5	6530.0	5623.3	5043.7	4768.7
52.5°	13583.9	13587.4	12722.4	10632.2	8562.8	7800.5	7127.0	6054.9	5374.4	5064.6
55°	14276.6	14267.9	13529.9	11674.7	9513.1	8568.0	7788.3	6545.7	5778.2	5412.7
57.5°	14779.6	14753.5	14086.9	12571.0	10526.0	9474.8	8536.7	7102.6	6255.0	5826.9
60°	14971.0	14955.3	14464.6	13345.5	11591.1	10477.3	9400.0	7725.7	6796.3	6315.9
62.5°	15044.1	15073.7	14835.3	14095.6	12731.1	11587.7	10348.5	8470.6	7405.4	6869.4
65°	15301.7	15355.6	15306.9	15077.2	14019.0	12887.7	11606.8	9356.4	8070.3	7462.9
67.5°	15811.6	15865.6	15886.5	16252.0	15592.3	14508.1	13176.6	10459.9	8848.2	8079.0
70°	15799.4	15783.8	16152.7	17186.6	17562.5	16751.4	15293.0	11817.4	9775.9	8590.7
72.5°	14381.0	14255.7	15127.6	17176.1	19201.9	19094.0	17877.5	13568.2	10576.5	8653.3
75°	10788.8	10454.6	11994.9	15479.2	19475.2	20423.7	19520.4	14654.3	10386.8	7645.6
77.5°	4613.8	4277.9	6093.2	11458.9	17430.2	19092.3	18013.2	12785.1	8291.3	5055.9
80°	1207.8	1206.1	1841.4	5195.1	11853.9	14099.1	12369.1	8256.5	4737.4	1806.5
82.5°	499.5	487.3	677.0	2020.6	5792.1	7911.9	6456.9	3682.7	1710.8	489.1
85°	186.2	184.5	328.9	697.9	2043.2	3263.3	2361.7	941.6	426.4	238.4
87.5°	52.2	50.5	71.4	241.9	497.8	755.3	403.8	154.9	120.1	94.0
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°
3752.3	0°	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3
3759.3	2.5°	3764.5	3773.2	3788.9	3801.1	3816.7	3834.1	3858.5	3874.2	3889.8	3900.3
3768.0	5°	3780.2	3799.3	3839.3	3879.4	3926.4	3969.9	4020.3	4056.9	4086.5	4095.2
3799.3	7.5°	3815.0	3846.3	3914.2	3982.1	4056.9	4128.3	4201.4	4264.0	4314.5	4333.6
3855.0	10°	3875.9	3917.7	4013.4	4109.1	4208.3	4318.0	4411.9	4502.4	4573.8	4603.4
3921.1	12.5°	3952.5	4004.7	4130.0	4262.3	4399.8	4551.2	4673.0	4784.4	4873.1	4913.2
4013.4	15°	4051.7	4119.6	4279.7	4457.2	4659.1	4869.7	5024.6	5148.1	5247.3	5296.1
4109.1	17.5°	4159.6	4250.1	4452.0	4720.0	5008.9	5285.6	5466.6	5557.1	5659.8	5706.8
4197.9	20°	4264.0	4375.4	4664.3	5054.2	5438.8	5732.9	5879.1	5903.5	5910.4	5915.7
4281.4	22.5°	4371.9	4521.6	4930.6	5475.3	5887.8	6091.4	6112.3	6007.9	5861.7	5793.8
4363.2	25°	4490.3	4688.7	5278.7	5940.0	6274.2	6298.5	6138.4	5884.3	5607.6	5480.6
4429.3	27.5°	4605.1	4881.9	5696.4	6383.8	6552.6	6338.6	5994.0	5633.7	5299.5	5165.5
4476.3	30°	4720.0	5102.9	6157.6	6771.9	6679.7	6239.4	5766.0	5363.9	5028.0	4887.1
4518.1	32.5°	4836.6	5360.5	6688.4	7052.1	6657.1	6028.8	5482.3	5061.1	4765.2	4617.3
4554.7	35°	4968.9	5677.2	7191.4	7205.3	6505.7	5719.0	5108.1	4699.1	4441.5	4323.2
4598.2	37.5°	5141.2	6079.3	7635.2	7243.6	6241.1	5264.7	4643.4	4271.0	4058.6	4004.7
4662.6	40°	5355.2	6563.1	7974.6	7182.7	5849.5	4713.0	4135.2	3837.6	3717.5	3729.7
4749.6	42.5°	5633.7	7104.4	8213.0	7026.0	5304.8	4143.9	3689.7	3557.4	3614.8	3663.6
4880.1	45°	5995.7	7666.5	8360.9	6759.8	4688.7	3661.8	3426.9	3458.2	3501.7	3506.9
5090.7	47.5°	6458.7	8235.6	8458.4	6357.7	4060.4	3322.4	3259.8	3266.8	3258.0	3221.5
5405.7	50°	7036.5	8789.1	8545.4	5825.2	3526.1	3110.1	3026.6	3002.2	2882.1	2763.8
5825.2	52.5°	7694.4	9297.3	8582.0	5163.8	3110.1	2932.6	2796.8	2643.7	2419.2	2382.6
6352.5	55°	8425.3	9767.2	8488.0	4351.0	2760.3	2704.6	2499.2	2314.7	2290.4	2259.1
7046.9	57.5°	9299.0	10273.6	8296.5	3444.3	2401.8	2438.3	2238.2	2259.1	2215.5	2166.8
7939.8	60°	10254.5	10797.5	7960.6	2617.6	2031.1	2105.9	2170.3	2168.6	2156.4	2116.3
8881.3	62.5°	11114.3	11142.1	7299.3	2005.0	1705.6	1848.3	2024.1	2022.4	2011.9	1989.3
9864.6	65°	11625.9	11089.9	6195.9	1578.6	1437.6	1636.0	1825.7	1839.6	1841.4	1839.6
10604.3	67.5°	11535.4	10479.0	4681.7	1256.6	1216.5	1420.2	1629.0	1648.2	1662.1	1665.6
10698.3	70°	10512.1	9137.2	3052.7	1002.5	1019.9	1230.5	1442.8	1461.9	1474.1	1488.1
9283.3	72.5°	8193.9	6718.0	1747.4	811.0	847.6	1066.9	1258.3	1280.9	1287.9	1314.0
6460.4	75°	4993.2	3950.7	943.3	638.7	696.2	912.0	1075.6	1101.7	1113.9	1145.2
3172.8	77.5°	2373.9	1710.8	537.8	497.8	560.4	744.9	908.5	938.1	905.0	922.4
875.4	80°	802.3	635.2	339.4	379.4	428.1	581.3	727.5	757.1	687.5	684.0
290.6	82.5°	280.2	257.6	215.8	252.4	276.7	416.0	550.0	588.3	511.7	509.9
130.5	85°	109.6	104.4	120.1	137.5	165.3	255.8	362.0	381.1	315.0	254.1
38.3	87.5°	22.6	24.4	29.6	31.3	50.5	88.8	130.5	160.1	127.0	107.9
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°
3752.3
3893.3
4098.7
4335.4
4605.1
4913.2
5292.6
5705.1
5929.6
5813.0
5499.7
5181.2
4902.7
4636.5
4349.3
4043.0
3771.5
3708.8
3541.7
3249.3
2779.4
2394.8
2264.3
2158.1
2102.4
1980.6
1839.6
1669.1
1495.0
1324.5
1148.7
908.5
677.0
485.6
250.6
99.2
0.0

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