

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: P849053

Luminaire Tested: **GLAN-SB5D-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849053
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-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 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: 34376 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

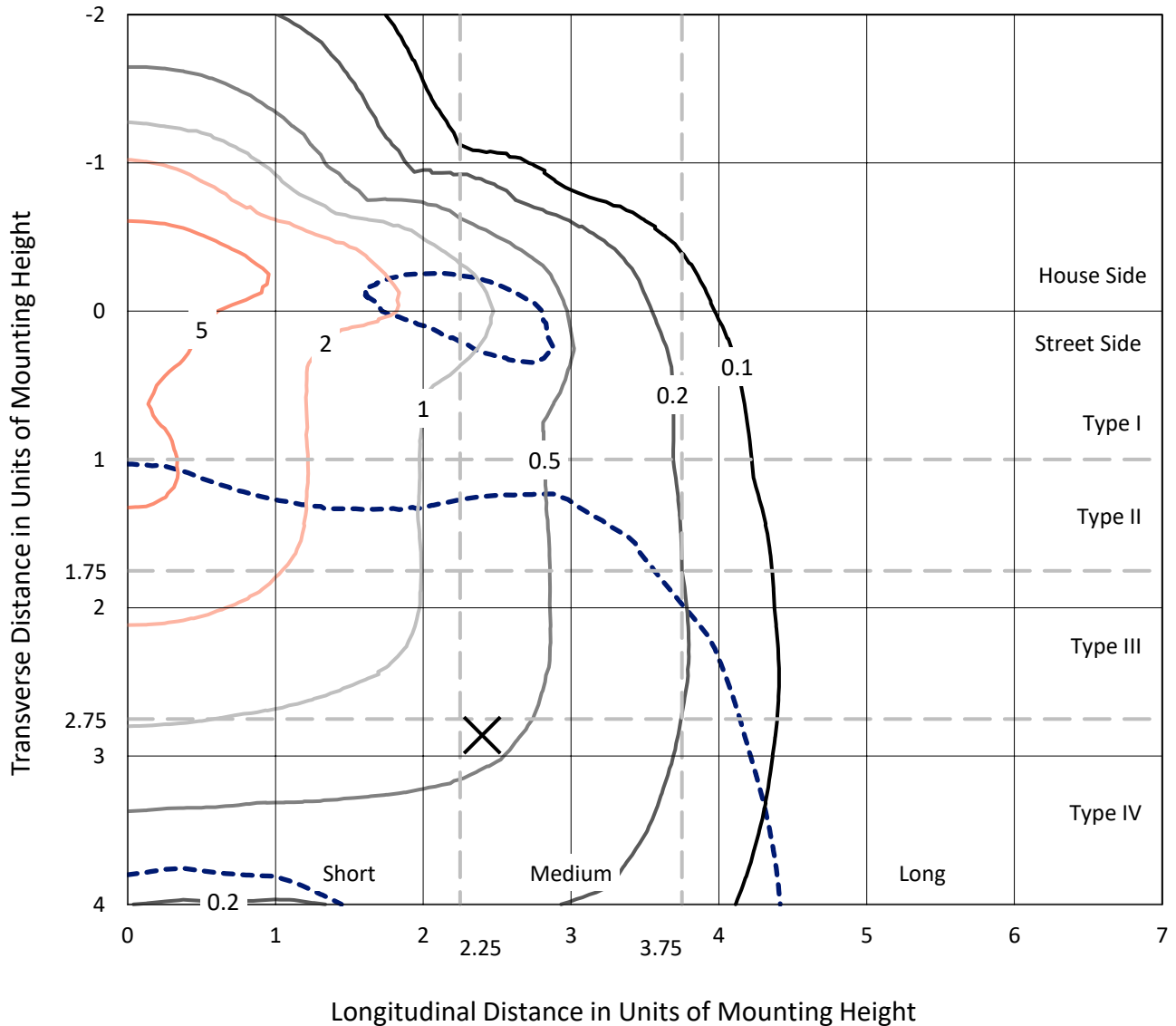
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

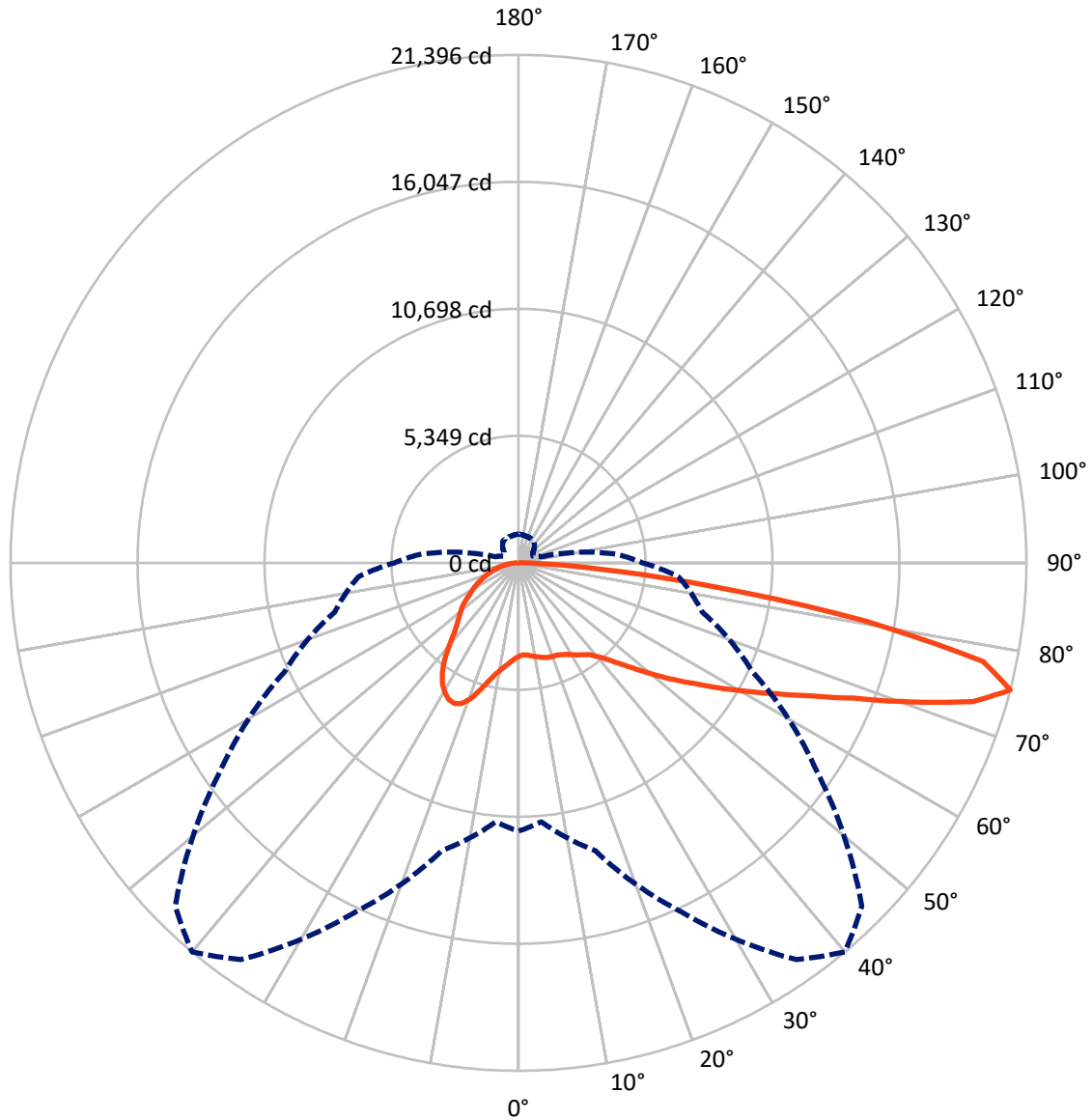
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	10650.8	0.0	10650.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	23725.2	0.0	23725.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	34376.0	0.0	34376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.4	1.1
10°-20°	1317.4	3.8
20°-30°	2405.5	7.0
30°-40°	3411.6	9.9
40°-50°	4606.7	13.4
50°-60°	6197.3	18.0
60°-70°	7865.8	22.9
70°-80°	7138.7	20.8
80°-90°	1040.6	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°	34376.0	100.0
0°-180°	34376.0	100.0

Coefficient of Utilization

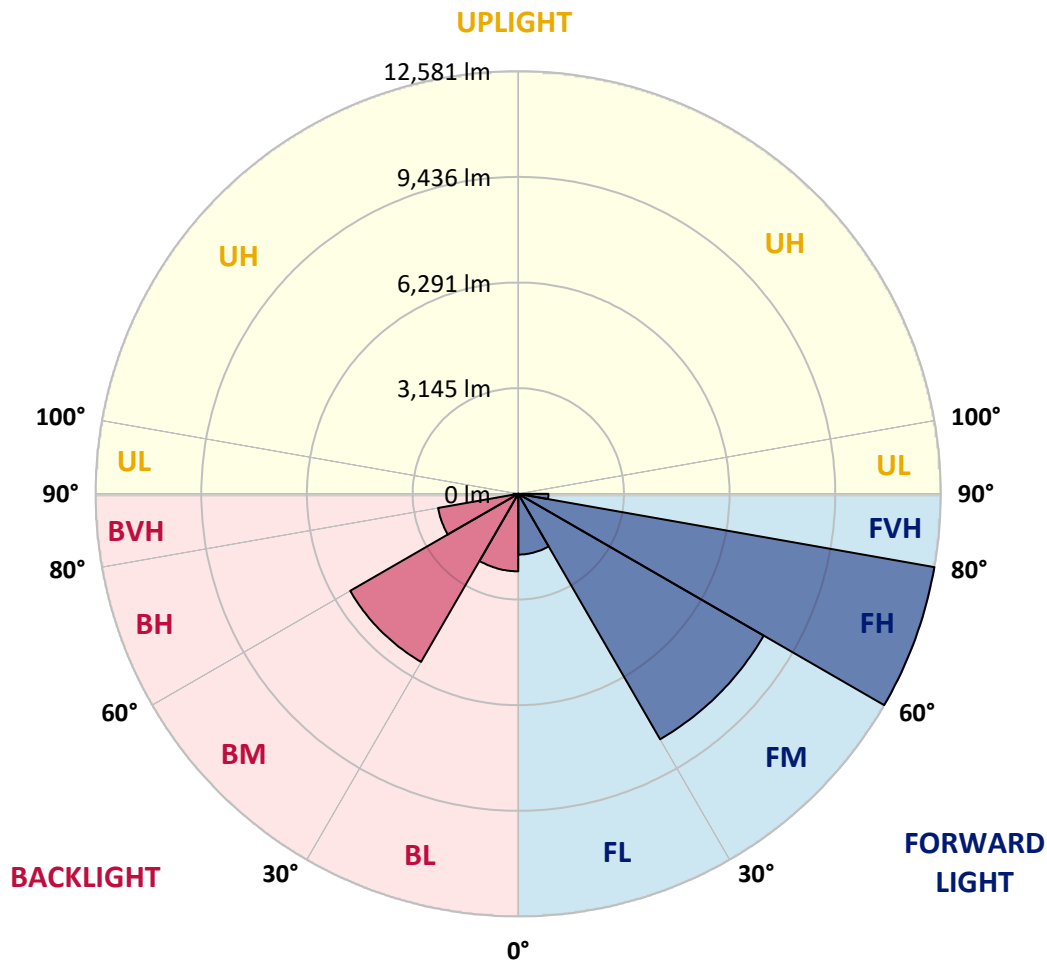


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1808.2	5.3			
FM (30°-60°)	8438.5	24.5			
FH (60°-80°)	12581.1	36.6			G5
FVH (80°-90°)	897.3	2.6			G5
BL (0°-30°)	2307.1	6.7	B3/2500		
BM (30°-60°)	5777.1	16.8	B4/8500		
BH (60°-80°)	2423.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	143.3	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°	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9
2.5°	3870.8	3892.7	3887.2	3879.9	3879.9	3881.7	3879.9	3892.7	3905.4	3918.2
5°	3910.9	3932.8	3921.8	3912.7	3905.4	3903.6	3898.1	3896.3	3903.6	3920.0
7.5°	3989.3	4011.2	3994.8	3978.3	3963.8	3956.5	3949.2	3938.2	3932.8	3941.9
10°	4076.8	4098.7	4078.6	4049.5	4025.8	4016.6	4009.3	3998.4	3991.1	3996.6
12.5°	4164.3	4186.2	4158.8	4118.7	4087.7	4082.3	4073.2	4069.5	4067.7	4065.9
15°	4246.4	4264.6	4230.0	4182.6	4149.7	4140.6	4131.5	4137.0	4146.1	4157.0
17.5°	4310.2	4328.4	4277.4	4215.4	4184.4	4180.7	4175.3	4193.5	4219.0	4246.4
20°	4368.5	4386.8	4321.1	4237.2	4200.8	4200.8	4202.6	4240.9	4277.4	4317.5
22.5°	4450.6	4465.2	4384.9	4270.1	4217.2	4220.8	4235.4	4273.7	4319.3	4374.0
25°	4572.7	4583.7	4485.2	4332.1	4271.9	4282.8	4295.6	4313.8	4357.6	4421.4
27.5°	4769.6	4778.8	4649.3	4441.5	4350.3	4368.5	4386.8	4374.0	4394.0	4448.7
30°	5046.8	5052.2	4888.2	4612.8	4483.4	4492.5	4496.2	4443.3	4405.0	4448.7
32.5°	5375.0	5373.1	5178.0	4820.7	4634.7	4625.6	4594.6	4490.7	4401.3	4439.6
35°	5883.6	5863.6	5612.0	5112.4	4806.1	4749.6	4676.7	4543.6	4419.6	4430.5
37.5°	6726.0	6664.0	6315.8	5590.1	5061.4	4917.3	4809.8	4629.2	4459.7	4426.9
40°	7675.9	7597.5	7214.6	6244.7	5444.2	5212.7	5039.5	4751.4	4525.3	4443.3
42.5°	8802.7	8691.5	8279.4	7015.9	5929.2	5593.8	5333.0	4906.4	4622.0	4496.2
45°	10186.5	10038.9	9455.4	7885.6	6540.0	6093.3	5745.1	5141.6	4769.6	4598.3
47.5°	11585.0	11621.4	10791.9	8881.1	7273.0	6709.6	6261.1	5495.3	4984.8	4762.3
50°	13070.9	13096.5	12121.0	9984.2	8104.4	7406.1	6840.9	5890.9	5283.8	4995.7
52.5°	14230.5	14234.2	13328.0	11138.3	8970.4	8171.8	7466.2	6343.1	5630.2	5305.7
55°	14956.2	14947.1	14174.0	12230.4	9965.9	8975.9	8159.1	6857.3	6053.2	5670.3
57.5°	15483.1	15455.7	14757.4	13169.4	11027.1	9925.8	8943.1	7440.7	6552.8	6104.3
60°	15683.7	15667.2	15153.1	13980.7	12142.9	10976.0	9847.4	8093.4	7119.8	6616.6
62.5°	15760.2	15791.2	15541.4	14766.6	13337.1	12139.2	10841.1	8873.8	7758.0	7196.4
65°	16030.1	16086.6	16035.5	15794.9	14686.3	13501.2	12159.3	9801.8	8454.4	7818.1
67.5°	16564.3	16620.8	16642.7	17025.6	16334.6	15198.7	13803.9	10957.8	9269.4	8463.6
70°	16551.5	16535.1	16921.6	18004.7	18398.5	17548.8	16021.0	12379.9	10241.2	8999.6
72.5°	15065.6	14934.3	15847.7	17993.7	20116.0	20002.9	18728.5	14214.1	11079.9	9065.2
75°	11302.4	10952.3	12565.9	16216.0	20402.2	21395.9	20449.6	15351.8	10881.2	8009.6
77.5°	4833.5	4481.6	6383.2	12004.3	18259.9	20001.1	18870.7	13393.6	8686.0	5296.6
80°	1265.3	1263.5	1929.0	5442.4	12418.2	14770.2	12957.9	8649.5	4962.9	1892.5
82.5°	523.3	510.5	709.2	2116.8	6067.8	8288.5	6764.3	3858.0	1792.3	512.3
85°	195.1	193.3	344.6	731.1	2140.5	3418.6	2474.2	986.4	446.7	249.8
87.5°	54.7	52.9	74.8	253.4	521.5	791.3	423.0	162.3	125.8	98.5
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°
3930.9	0°	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9	3930.9
3938.2	2.5°	3943.7	3952.8	3969.2	3982.0	3998.4	4016.6	4042.2	4058.6	4075.0	4085.9
3947.4	5°	3960.1	3980.2	4022.1	4064.0	4113.3	4158.8	4211.7	4250.0	4281.0	4290.1
3980.2	7.5°	3996.6	4029.4	4100.5	4171.6	4250.0	4324.8	4401.3	4467.0	4519.9	4539.9
4038.5	10°	4060.4	4104.2	4204.4	4304.7	4408.6	4523.5	4622.0	4716.8	4791.5	4822.5
4107.8	12.5°	4140.6	4195.3	4326.6	4465.2	4609.2	4767.8	4895.4	5012.1	5105.1	5147.1
4204.4	15°	4244.5	4315.6	4483.4	4669.4	4880.9	5101.5	5263.7	5393.2	5497.1	5548.2
4304.7	17.5°	4357.6	4452.4	4663.9	4944.7	5247.3	5537.2	5726.8	5821.7	5929.2	5978.5
4397.7	20°	4467.0	4583.7	4886.3	5294.7	5697.7	6005.8	6159.0	6184.5	6191.8	6197.2
4485.2	22.5°	4580.0	4736.8	5165.3	5736.0	6168.1	6381.4	6403.3	6293.9	6140.7	6069.6
4570.9	25°	4704.0	4911.9	5529.9	6222.8	6572.8	6598.4	6430.6	6164.4	5874.5	5741.4
4640.2	27.5°	4824.3	5114.2	5967.5	6687.7	6864.6	6640.3	6279.3	5901.9	5551.8	5411.4
4689.4	30°	4944.7	5345.8	6450.7	7094.3	6997.7	6536.4	6040.4	5619.3	5267.4	5119.7
4733.2	32.5°	5066.8	5615.6	7006.8	7387.8	6974.0	6315.8	5743.3	5302.0	4992.1	4837.1
4771.5	35°	5205.4	5947.5	7533.7	7548.3	6815.3	5991.2	5351.3	4922.8	4653.0	4529.0
4817.0	37.5°	5385.9	6368.6	7998.6	7588.4	6538.2	5515.4	4864.4	4474.3	4251.8	4195.3
4884.5	40°	5610.2	6875.5	8354.2	7524.6	6128.0	4937.4	4332.1	4020.3	3894.5	3907.2
4975.7	42.5°	5901.9	7442.5	8603.9	7360.5	5557.3	4341.2	3865.3	3726.7	3786.9	3838.0
5112.4	45°	6281.1	8031.4	8758.9	7081.5	4911.9	3836.1	3590.0	3622.8	3668.4	3673.9
5333.0	47.5°	6766.1	8627.7	8861.0	6660.4	4253.7	3480.6	3415.0	3422.3	3413.1	3374.8
5663.0	50°	7371.4	9207.4	8952.2	6102.4	3693.9	3258.2	3170.6	3145.1	3019.3	2895.3
6102.4	52.5°	8060.6	9739.8	8990.5	5409.6	3258.2	3072.2	2930.0	2769.5	2534.3	2496.0
6654.9	55°	8826.4	10232.1	8892.0	4558.1	2891.7	2833.3	2618.2	2424.9	2399.4	2366.6
7382.4	57.5°	9741.7	10762.7	8691.5	3608.2	2516.1	2554.4	2344.7	2366.6	2321.0	2270.0
8317.7	60°	10742.6	11311.5	8339.6	2742.2	2127.7	2206.1	2273.6	2271.8	2259.0	2217.1
9304.1	62.5°	11643.3	11672.5	7646.7	2100.4	1786.8	1936.3	2120.4	2118.6	2107.7	2084.0
10334.2	65°	12179.4	11617.8	6490.8	1653.7	1506.0	1713.9	1912.6	1927.2	1929.0	1927.2
11109.1	67.5°	12084.5	10977.8	4904.6	1316.4	1274.5	1487.8	1706.6	1726.6	1741.2	1744.9
11207.6	70°	11012.5	9572.1	3198.0	1050.2	1068.4	1289.0	1511.5	1531.5	1544.3	1558.9
9725.3	72.5°	8583.9	7037.8	1830.5	849.6	887.9	1117.7	1318.2	1341.9	1349.2	1376.6
6767.9	75°	5230.9	4138.8	988.2	669.1	729.3	955.4	1126.8	1154.1	1166.9	1199.7
3323.8	77.5°	2486.9	1792.3	563.4	521.5	587.1	780.4	951.7	982.7	948.1	966.3
917.1	80°	840.5	665.5	355.5	397.5	448.5	609.0	762.1	793.1	720.2	716.5
304.5	82.5°	293.5	269.8	226.1	264.4	289.9	435.8	576.1	616.3	536.0	534.2
136.7	85°	114.9	109.4	125.8	144.0	173.2	268.0	379.2	399.3	330.0	266.2
40.1	87.5°	23.7	25.5	31.0	32.8	52.9	93.0	136.7	167.7	133.1	113.0
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°
3930.9
4078.6
4293.8
4541.7
4824.3
5147.1
5544.5
5976.6
6211.8
6089.7
5761.5
5427.8
5136.1
4857.2
4556.3
4235.4
3951.0
3885.4
3710.3
3404.0
2911.7
2508.8
2372.1
2260.8
2202.5
2074.9
1927.2
1748.5
1566.2
1387.5
1203.3
951.7
709.2
508.7
262.5
103.9
0.0

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