

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: P849048

Luminaire Tested: **GLAN-SB5D-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33125 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

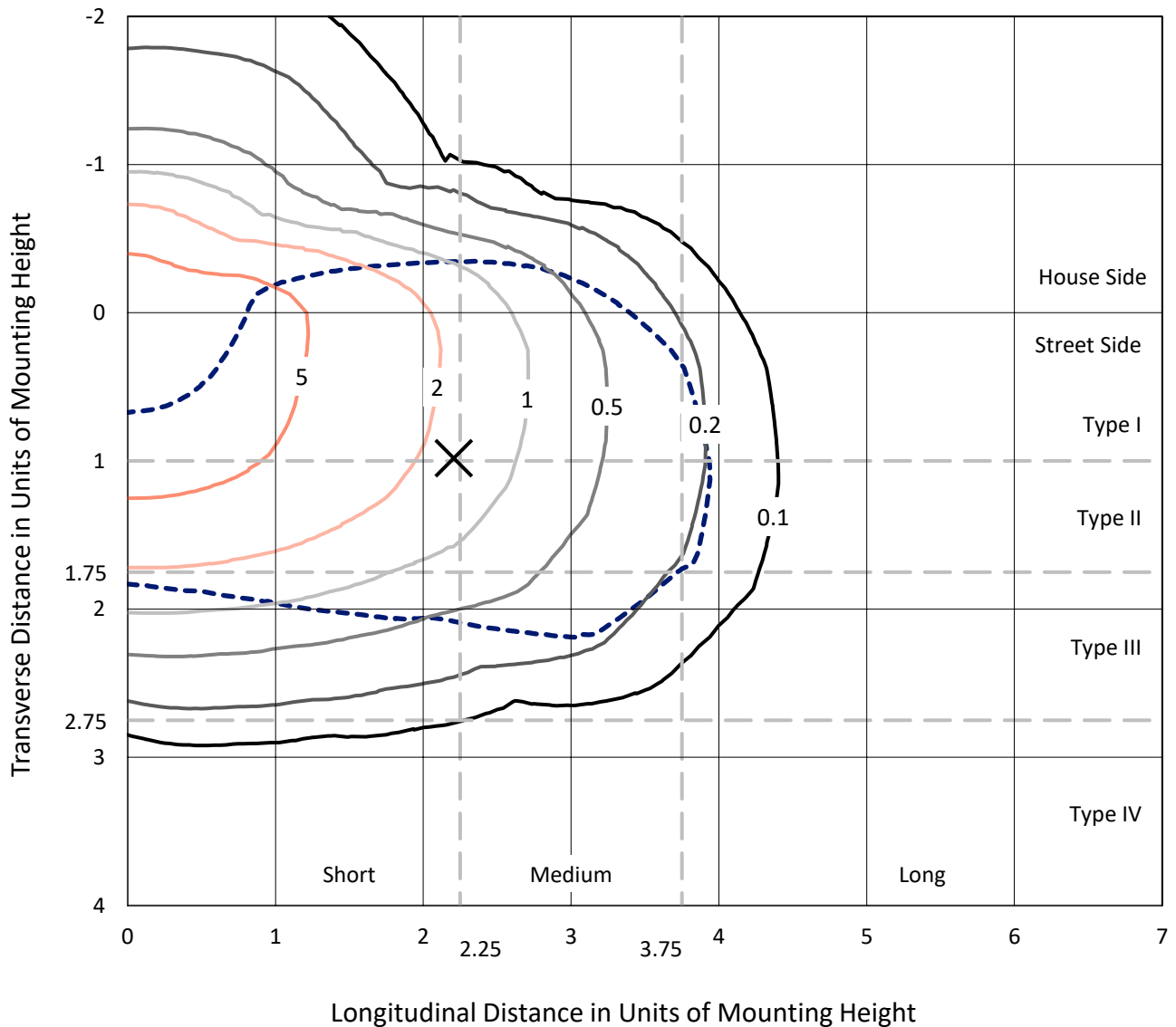
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

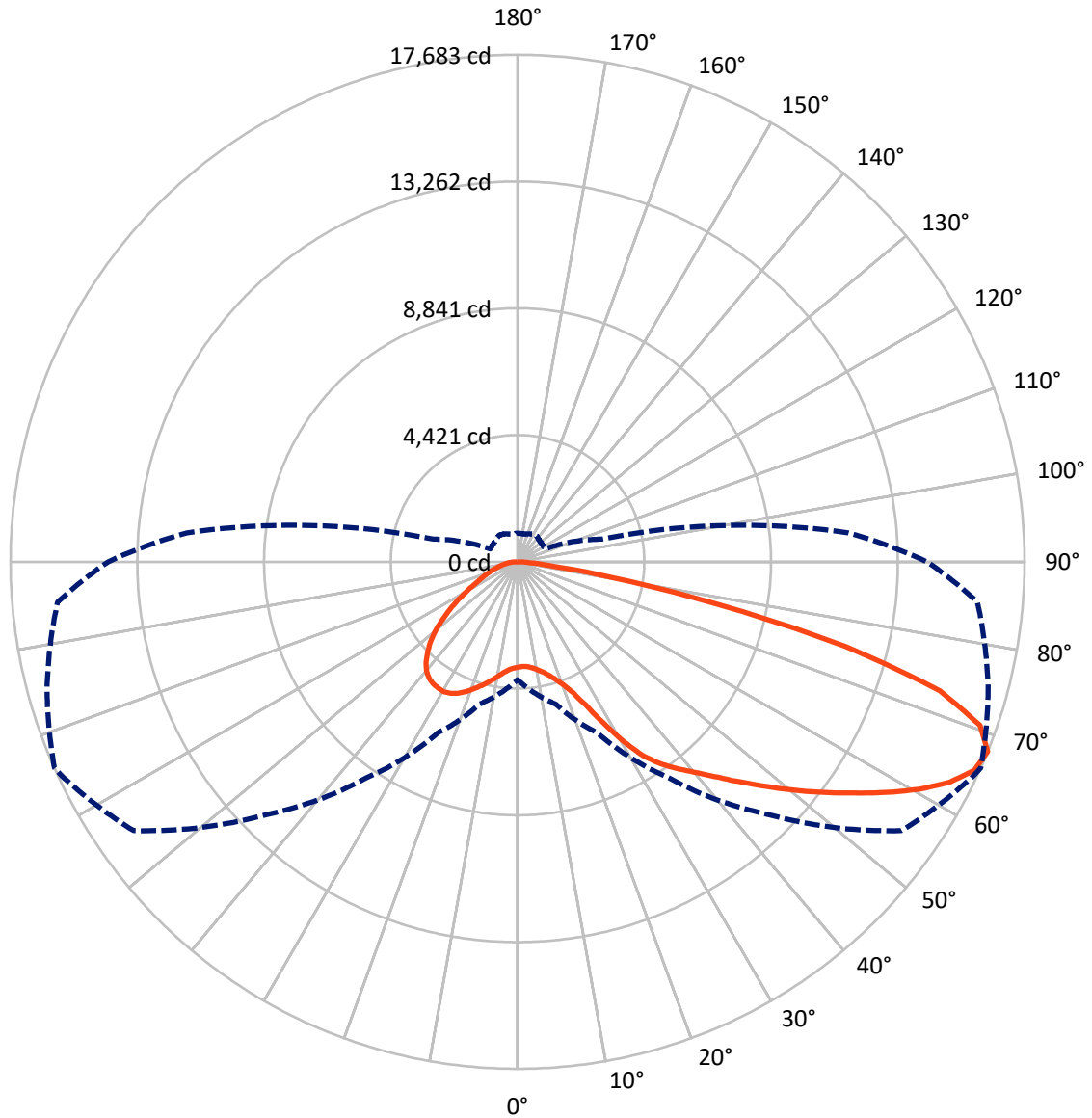
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8236.4	0.0	8236.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24888.6	0.0	24888.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	33125.0	0.0	33125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.3	1.1
10°-20°	1203.5	3.6
20°-30°	2319.6	7.0
30°-40°	4067.2	12.3
40°-50°	6046.5	18.3
50°-60°	7664.6	23.1
60°-70°	7499.6	22.6
70°-80°	3577.4	10.8
80°-90°	382.3	1.2
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°	33125.0	100.0
0°-180°	33125.0	100.0

Coefficient of Utilization

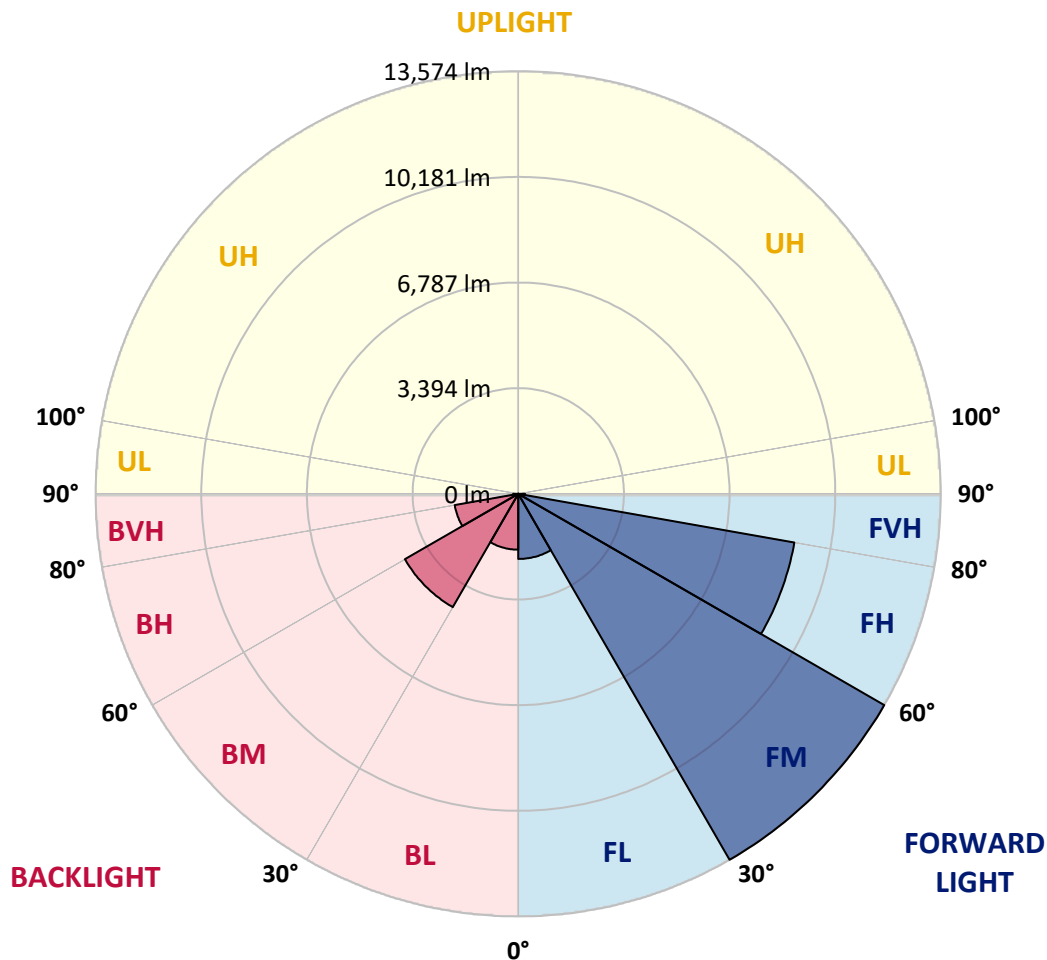


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2093.2	6.3			
FM (30°-60°)	13574.3	41.0			
FH (60°-80°)	9004.3	27.2			G4/12000
FVH (80°-90°)	216.8	0.7			G2/225
BL (0°-30°)	1794.2	5.4	B3/2500		
BM (30°-60°)	4204.0	12.7	B3/5000		
BH (60°-80°)	2072.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	165.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0
2.5°	3635.7	3656.6	3651.4	3642.7	3640.9	3644.4	3649.6	3654.9	3653.1	3661.8
5°	3625.3	3646.2	3644.4	3644.4	3651.4	3665.3	3674.0	3682.7	3674.0	3684.4
7.5°	3632.2	3647.9	3654.9	3661.8	3679.2	3705.3	3726.2	3745.4	3734.9	3747.1
10°	3721.0	3733.2	3740.1	3740.1	3752.3	3781.9	3802.8	3837.6	3828.9	3848.0
12.5°	3882.8	3895.0	3895.0	3888.1	3896.8	3915.9	3922.9	3961.2	3945.5	3976.8
15°	4081.3	4105.6	4086.5	4074.3	4077.8	4096.9	4095.2	4124.8	4109.1	4135.2
17.5°	4300.5	4331.9	4300.5	4298.8	4291.8	4312.7	4314.5	4340.6	4312.7	4331.9
20°	4559.9	4603.4	4577.3	4586.0	4570.3	4579.0	4587.7	4626.0	4582.5	4596.4
22.5°	4925.4	4977.6	4949.7	4982.8	4972.3	4965.4	4963.6	5031.5	4963.6	4968.9
25°	5457.9	5520.6	5471.8	5517.1	5517.1	5539.7	5565.8	5652.8	5539.7	5506.6
27.5°	6244.6	6307.2	6211.5	6239.4	6230.7	6286.4	6258.5	6474.3	6352.5	6298.5
30°	7191.4	7302.7	7121.7	7114.8	7106.1	7194.8	7234.9	7377.6	7254.0	7200.1
32.5°	8214.7	8331.3	8115.5	8052.9	8019.8	8073.8	8040.7	8155.5	8070.3	7986.7
35°	9297.3	9412.1	9206.8	9084.9	8952.7	8839.5	8721.2	8750.8	8670.7	8543.7
37.5°	10320.6	10531.2	10313.7	10183.1	9939.5	9718.4	9387.8	9250.3	9175.4	9058.8
40°	11363.1	11483.2	11317.9	11206.5	10941.9	10595.6	10066.5	9775.9	9674.9	9561.8
42.5°	12130.6	12245.5	12156.7	12080.2	11873.1	11471.0	10787.0	10423.3	10277.1	10150.1
45°	12739.8	12825.1	12769.4	12797.2	12708.5	12318.6	11533.7	11117.7	10966.3	10811.4
47.5°	12985.2	13075.7	13164.4	13329.8	13481.2	13194.0	12336.0	11869.6	11709.5	11551.1
50°	12957.3	13049.6	13307.2	13658.7	14128.6	14032.9	13181.8	12670.2	12522.2	12341.2
52.5°	12734.6	12839.0	13169.7	13754.4	14502.8	14661.2	14043.3	13496.9	13357.6	13141.8
55°	12149.8	12212.4	12708.5	13536.9	14591.6	15099.8	14887.4	14377.5	14238.3	13937.2
57.5°	11065.5	11156.0	11878.3	12950.4	14368.8	15397.4	15628.9	15303.4	15169.4	14736.0
60°	9650.6	9795.0	10621.7	11965.3	13801.4	15395.6	16302.4	16213.6	16102.3	15522.7
62.5°	8049.4	8216.5	9011.8	10573.0	12809.4	14958.8	16723.6	16975.9	16918.5	16248.4
65°	6181.9	6296.8	7088.7	8771.7	11265.7	14020.7	16772.3	17496.3	17506.8	16800.2
67.5°	4116.1	4446.7	5134.2	6582.2	9198.1	12487.4	16344.2	17581.6	17682.5	16989.9
70°	2008.4	2443.5	3117.1	4277.9	6582.2	10136.1	15225.1	16882.0	17106.5	16436.4
72.5°	833.7	974.6	1341.9	2111.1	3778.4	6839.8	12976.5	14984.9	15400.9	14563.7
75°	562.2	609.1	767.5	1082.5	1721.3	3372.9	9358.2	11173.4	11843.5	10999.4
77.5°	433.4	462.9	558.7	757.1	1023.4	1275.7	5008.9	6733.6	7080.0	6554.4
80°	341.1	363.7	417.7	551.7	725.7	682.2	1707.3	3050.9	3251.1	2727.2
82.5°	295.9	304.6	299.4	374.2	482.1	398.6	560.4	1126.0	1242.7	901.5
85°	214.1	238.4	248.9	231.5	255.8	201.9	229.7	398.6	438.6	391.6
87.5°	87.0	128.8	158.4	149.7	94.0	57.4	71.4	116.6	134.0	146.2
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°
3674.0	0°	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0	3674.0
3675.7	2.5°	3677.5	3689.7	3698.4	3708.8	3715.8	3726.2	3747.1	3759.3	3761.0	3769.7
3703.6	5°	3710.5	3728.0	3747.1	3774.9	3806.3	3832.4	3872.4	3900.3	3910.7	3919.4
3771.5	7.5°	3781.9	3806.3	3841.1	3889.8	3935.1	3969.9	4018.6	4051.7	4084.7	4096.9
3879.4	10°	3888.1	3922.9	3973.4	4039.5	4088.2	4133.5	4183.9	4211.8	4244.9	4258.8
4008.2	12.5°	4020.3	4056.9	4123.0	4215.3	4260.5	4291.8	4309.2	4302.3	4309.2	4321.4
4163.1	15°	4171.8	4211.8	4286.6	4385.8	4417.2	4389.3	4351.0	4316.2	4311.0	4314.5
4351.0	17.5°	4351.0	4380.6	4467.6	4551.2	4528.5	4413.7	4330.1	4274.4	4246.6	4237.9
4591.2	20°	4601.6	4601.6	4673.0	4725.2	4573.8	4378.9	4248.3	4157.8	4100.4	4076.0
4918.4	22.5°	4906.2	4878.4	4923.6	4887.1	4565.1	4281.4	4100.4	3943.8	3856.7	3821.9
5376.1	25°	5292.6	5259.5	5247.3	5021.1	4502.4	4126.5	3832.4	3642.7	3566.1	3547.0
6035.7	27.5°	5875.6	5792.1	5633.7	5094.2	4387.6	3882.8	3519.1	3343.3	3299.8	3301.6
6883.3	30°	6651.8	6484.8	6096.6	5106.4	4199.6	3538.2	3198.9	3073.6	3052.7	3061.4
7595.1	32.5°	7370.6	7212.2	6570.0	5050.7	3910.7	3200.6	2911.7	2828.2	2796.8	2807.3
8138.1	35°	7934.5	7891.0	7008.6	4972.3	3555.7	2883.9	2654.1	2582.8	2521.9	2507.9
8649.8	37.5°	8467.1	8449.7	7337.6	4862.7	3204.1	2659.3	2447.0	2353.0	2264.3	2215.5
9215.5	40°	9051.9	9034.5	7553.4	4693.9	2892.6	2464.4	2260.8	2137.2	2027.6	1938.8
9855.9	42.5°	9709.7	9607.0	7656.1	4452.0	2628.0	2299.1	2109.4	1942.3	1797.8	1716.0
10579.9	45°	10428.5	10197.0	7654.3	4143.9	2405.2	2147.7	1947.5	1710.8	1576.8	1500.2
11323.1	47.5°	11190.8	10760.9	7560.3	3802.8	2189.4	1980.6	1696.9	1515.9	1427.1	1380.1
12130.6	50°	11977.5	11288.3	7400.2	3411.2	1968.4	1790.9	1540.3	1416.7	1348.8	1305.3
12931.2	52.5°	12717.2	11766.9	7207.0	2967.4	1743.9	1606.4	1470.6	1374.9	1303.6	1254.8
13707.4	55°	13404.6	12179.4	6933.8	2513.1	1561.1	1482.8	1437.6	1357.5	1275.7	1218.3
14495.9	57.5°	14015.5	12447.4	6462.1	2086.7	1430.6	1397.5	1402.8	1327.9	1233.9	1185.2
15272.1	60°	14523.7	12644.1	5764.2	1691.7	1324.5	1314.0	1348.8	1272.2	1162.6	1106.9
15928.2	62.5°	14828.3	12640.6	4907.9	1385.4	1233.9	1237.4	1277.5	1202.6	1091.2	1039.0
16271.1	65°	14802.2	12330.8	3968.1	1185.2	1146.9	1150.4	1202.6	1126.0	1032.1	1000.7
16098.8	67.5°	14278.3	11575.5	3044.0	1054.7	1051.2	1066.9	1127.8	1073.8	995.5	992.0
15071.9	70°	12859.9	10007.3	2192.9	950.3	952.0	974.6	1054.7	1040.8	976.4	983.3
12671.9	72.5°	10311.9	7629.9	1472.4	840.6	842.4	878.9	985.1	1014.7	957.2	1049.5
8990.9	75°	6867.6	4758.3	946.8	724.0	725.7	772.7	924.2	964.2	905.0	1046.0
4678.2	77.5°	3299.8	2139.0	685.7	609.1	609.1	652.7	798.8	863.2	771.0	812.8
1503.7	80°	1140.0	804.1	539.5	490.8	480.4	509.9	673.5	748.4	664.8	612.6
490.8	82.5°	449.0	417.7	433.4	381.1	346.3	365.5	523.9	617.8	489.1	442.1
276.7	85°	257.6	271.5	306.3	252.4	200.1	224.5	384.6	443.8	369.0	325.5
90.5	87.5°	69.6	95.7	141.0	130.5	90.5	95.7	182.7	245.4	212.3	163.6
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°
3674.0
3768.0
3917.7
4098.7
4265.7
4324.9
4326.7
4250.1
4070.8
3816.7
3550.4
3306.8
3091.0
2821.2
2518.4
2217.3
1947.5
1721.3
1496.8
1369.7
1289.6
1233.9
1195.7
1153.9
1082.5
1023.4
999.0
997.3
981.6
1063.4
1054.7
744.9
574.3
440.3
332.4
168.8
0.0

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