

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: P852957

Luminaire Tested: **GLAN-SB7C-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33900 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

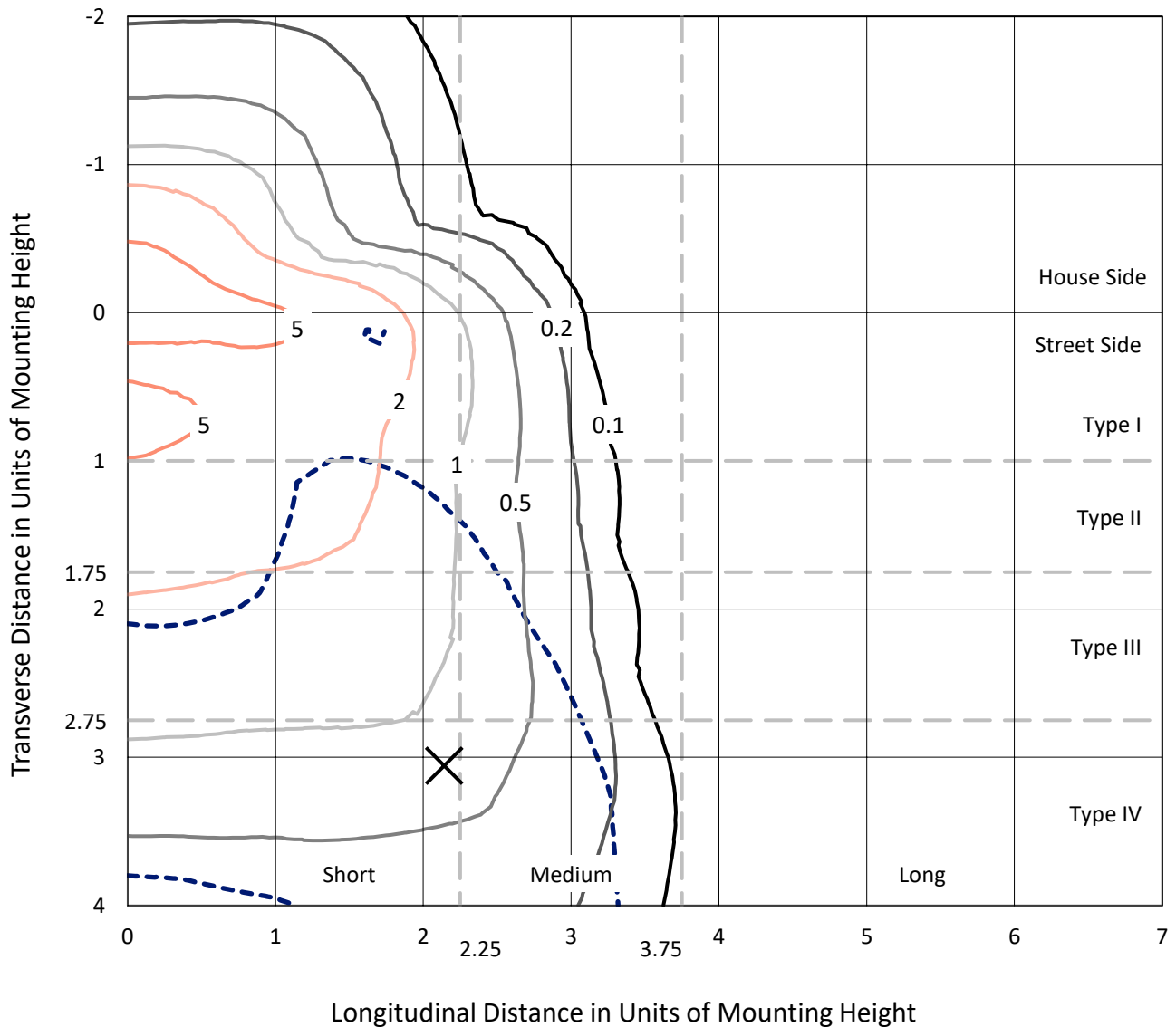
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

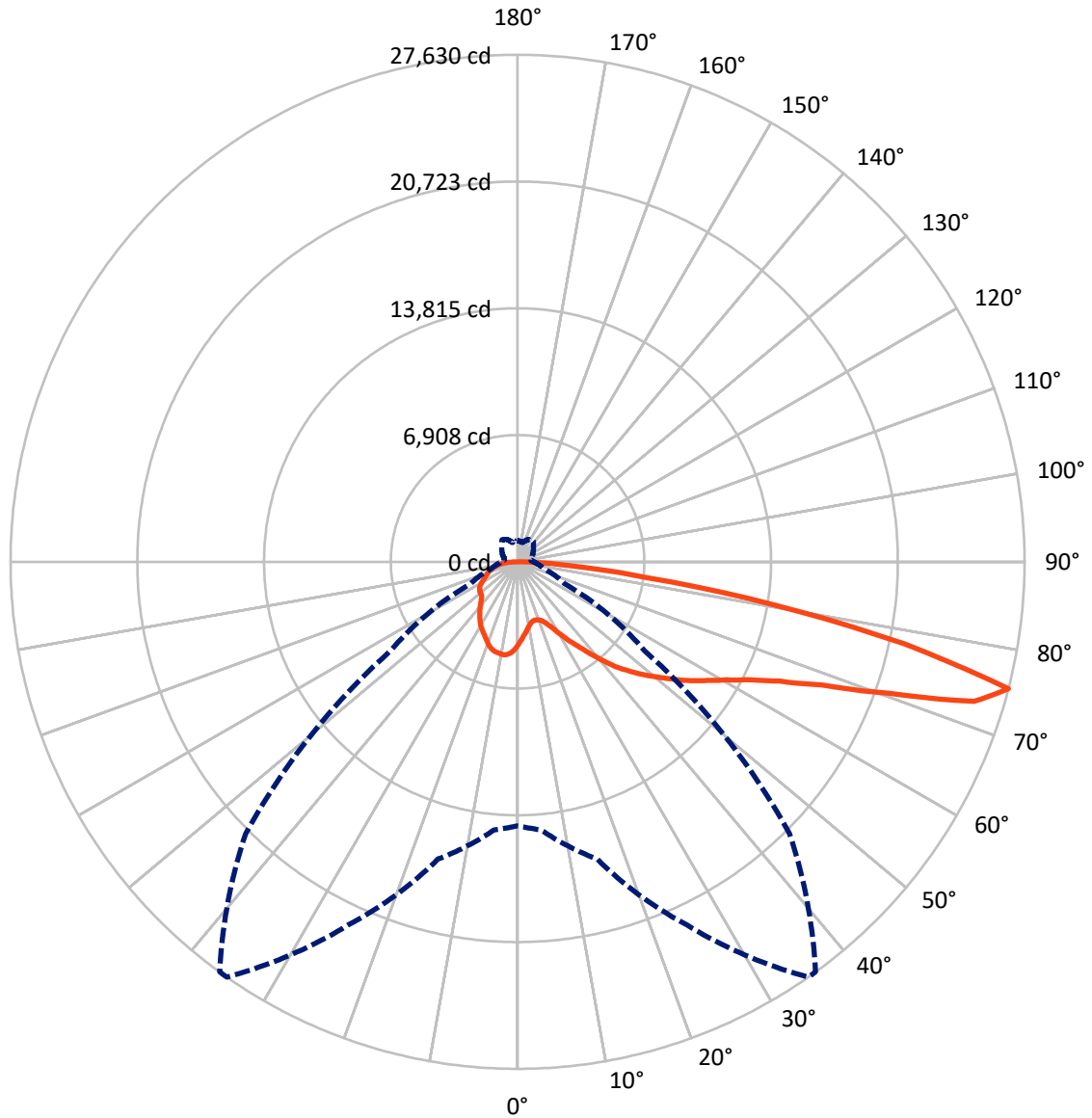
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8067.4	0.0	8067.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	25832.6	0.0	25832.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	33900.0	0.0	33900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.7	1.3
10°-20°	1233.7	3.6
20°-30°	2071.7	6.1
30°-40°	3219.7	9.5
40°-50°	4778.9	14.1
50°-60°	6597.6	19.5
60°-70°	8004.3	23.6
70°-80°	6615.0	19.5
80°-90°	951.4	2.8
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°	33900.0	100.0
0°-180°	33900.0	100.0

Coefficient of Utilization

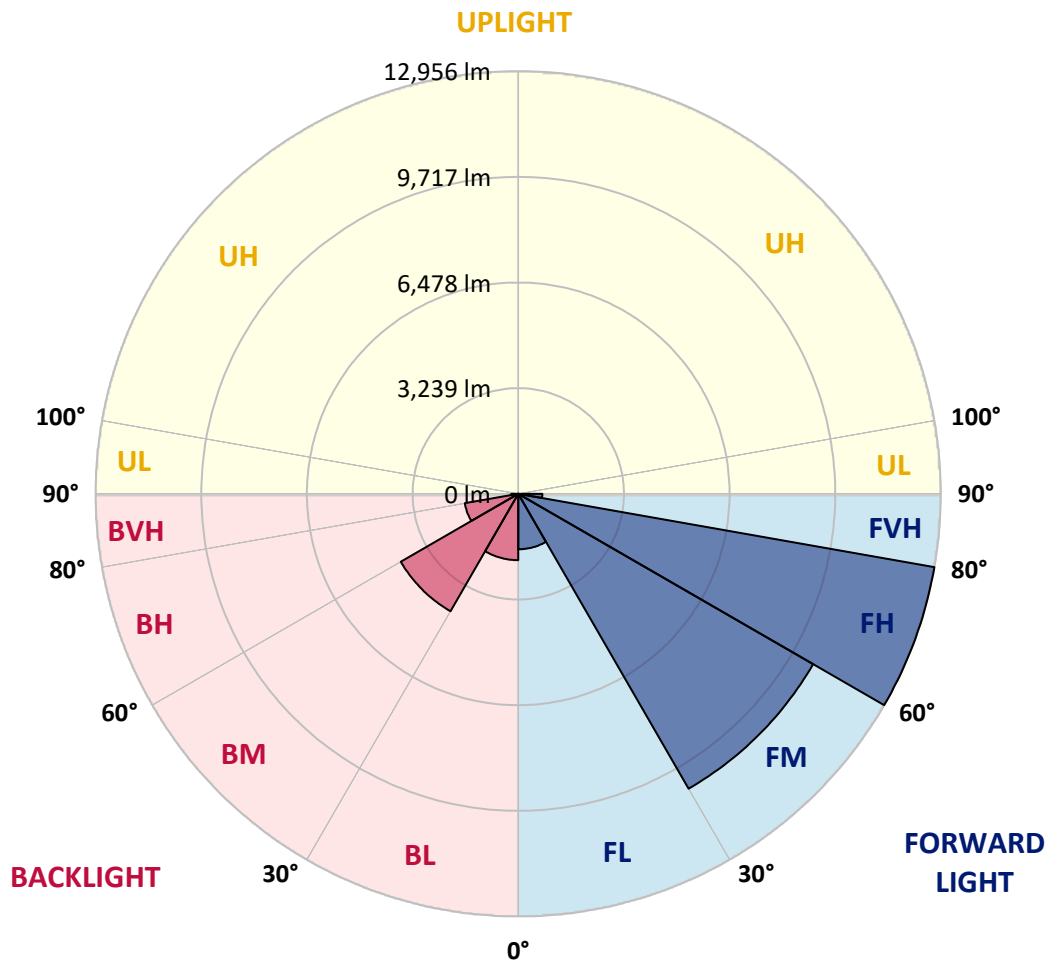


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1700.0	5.0			
FM (30°-60°)	10439.4	30.8			
FH (60°-80°)	12956.1	38.2			G5
FVH (80°-90°)	737.2	2.2			G4/750
BL (0°-30°)	2033.1	6.0	B3/2500		
BM (30°-60°)	4156.8	12.3	B3/5000		
BH (60°-80°)	1663.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	214.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4
2.5°	4165.5	4191.2	4202.2	4196.7	4224.2	4220.5	4259.0	4306.7	4372.6	4436.8
5°	3844.8	3872.3	3896.1	3918.1	3971.3	3987.8	4048.3	4139.9	4260.8	4383.6
7.5°	3546.1	3569.9	3606.6	3646.9	3736.7	3753.2	3854.0	3996.9	4165.5	4345.1
10°	3302.4	3326.2	3364.7	3410.5	3522.3	3542.5	3670.7	3861.3	4081.2	4308.5
12.5°	3197.9	3205.2	3227.2	3273.1	3370.2	3383.0	3524.1	3742.2	3998.8	4281.0
15°	3192.4	3207.1	3208.9	3232.7	3313.4	3318.9	3449.0	3665.2	3947.5	4275.5
17.5°	3247.4	3258.4	3241.9	3256.6	3324.4	3333.5	3436.2	3628.6	3931.0	4299.3
20°	3394.0	3403.2	3353.7	3333.5	3383.0	3390.3	3491.1	3652.4	3947.5	4348.8
22.5°	3705.6	3711.1	3590.1	3507.6	3511.3	3515.0	3602.9	3749.5	4011.6	4438.6
25°	4191.2	4187.5	3995.1	3835.7	3744.0	3723.9	3782.5	3907.1	4119.7	4557.7
27.5°	4759.3	4731.8	4539.4	4301.2	4101.4	4072.1	4059.2	4112.4	4273.7	4715.3
30°	5400.7	5375.1	5168.0	4856.4	4579.7	4532.1	4411.1	4383.6	4502.7	4929.7
32.5°	6104.5	6088.0	5840.6	5463.0	5092.8	5037.9	4834.4	4761.1	4854.6	5254.1
35°	6694.6	6679.9	6474.6	6086.1	5633.5	5565.7	5358.6	5276.1	5323.8	5670.1
37.5°	7227.8	7220.5	7044.6	6738.5	6271.2	6188.8	5956.0	5928.5	5919.4	6218.1
40°	7722.7	7704.3	7521.1	7359.8	7013.4	6938.3	6733.0	6709.2	6639.6	6892.5
42.5°	8270.6	8223.0	7957.2	7882.1	7788.6	7726.3	7603.5	7607.2	7453.3	7653.0
45°	8717.8	8690.3	8417.2	8373.2	8474.0	8448.4	8554.7	8582.2	8283.4	8450.2
47.5°	9197.9	9172.3	8941.3	8910.2	9183.3	9190.6	9566.3	9575.4	9093.5	9278.5
50°	9789.8	9753.2	9524.1	9562.6	9868.7	9896.1	10583.4	10521.1	9839.3	10119.7
52.5°	10180.2	10202.2	10152.7	10215.0	10632.9	10658.5	11584.0	11424.5	10577.9	10949.9
55°	10467.9	10511.9	10665.8	10808.8	11439.2	11464.9	12527.8	12284.0	11190.0	11719.6
57.5°	10838.1	10775.8	11063.5	11342.1	12205.2	12273.0	13445.9	13112.4	11732.4	12383.0
60°	11369.6	11325.6	11549.2	11961.5	13062.9	13171.0	14417.2	13858.3	12130.1	12909.0
62.5°	12447.1	12337.2	12372.0	12736.7	14144.1	14287.1	15513.1	14508.8	12328.0	13114.2
65°	14058.0	13869.3	13693.3	13946.2	15667.1	15808.2	16750.1	15020.1	12254.7	12716.5
67.5°	16086.7	15899.8	15683.5	15921.8	17910.2	18022.0	18276.7	15307.9	11677.4	11184.5
70°	17759.9	17690.3	17948.7	18929.1	21492.9	21496.6	20233.9	15069.6	10095.9	7929.7
72.5°	17538.2	17496.0	18857.6	21888.8	26008.5	25911.4	22086.7	13266.3	6800.8	3577.3
75°	14387.9	14660.9	16770.3	21835.6	27630.4	27617.6	20952.3	8433.7	2813.1	1482.6
77.5°	7715.3	8147.8	10887.6	16121.5	21569.9	21894.3	14730.6	2950.5	1207.7	949.3
80°	2516.2	2893.7	4339.6	8208.3	14015.9	13955.4	6313.4	1158.2	826.5	672.6
82.5°	1068.4	1112.4	1938.9	3876.0	7193.0	7081.2	2010.4	665.2	580.9	460.0
85°	417.8	467.3	855.8	1792.3	3115.5	3047.6	725.7	329.9	372.0	300.5
87.5°	137.4	166.8	306.0	613.9	969.5	934.6	177.8	113.6	161.3	137.4
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°
4517.4	0°	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4	4517.4
4530.2	2.5°	4555.9	4585.2	4620.0	4671.3	4715.3	4752.0	4790.5	4814.3	4823.5	4850.9
4537.6	5°	4588.9	4653.0	4739.2	4823.5	4905.9	4955.4	4999.4	5021.4	5041.5	5056.2
4557.7	7.5°	4643.9	4726.3	4861.9	4971.9	5041.5	5081.9	5111.2	5103.8	5111.2	5114.8
4579.7	10°	4691.5	4807.0	4968.2	5072.7	5125.8	5127.7	5120.3	5094.7	5081.9	5083.7
4612.7	12.5°	4748.3	4876.6	5050.7	5138.7	5153.3	5113.0	5081.9	5037.9	5021.4	5014.0
4662.2	15°	4825.3	4971.9	5140.5	5173.5	5136.8	5085.5	5032.4	4960.9	4924.2	4894.9
4746.5	17.5°	4918.7	5080.0	5210.1	5186.3	5107.5	5023.2	4937.1	4828.9	4753.8	4722.7
4861.9	20°	5048.9	5193.6	5263.3	5158.8	5039.7	4911.4	4764.8	4632.9	4563.2	4532.1
5008.5	22.5°	5206.5	5345.7	5314.6	5111.2	4942.6	4737.3	4554.1	4456.9	4422.1	4400.1
5197.3	25°	5395.2	5514.3	5351.2	5041.5	4783.1	4506.4	4365.3	4334.1	4317.6	4301.2
5428.2	27.5°	5640.8	5704.9	5378.7	4938.9	4533.9	4260.8	4209.5	4215.0	4209.5	4182.0
5748.9	30°	5965.2	5952.3	5404.4	4772.1	4248.0	4039.1	4042.8	4066.6	4070.2	4051.9
6196.1	32.5°	6392.2	6262.1	5417.2	4555.9	3974.9	3844.8	3848.5	3874.2	3892.5	3861.3
6780.7	35°	6909.0	6623.1	5397.1	4284.7	3764.2	3659.7	3632.2	3639.6	3645.1	3615.8
7489.9	37.5°	7511.9	7028.1	5307.3	3984.1	3590.1	3478.3	3419.7	3370.2	3340.9	3313.4
8292.6	40°	8173.5	7469.8	5142.3	3690.9	3395.8	3285.9	3197.9	3104.5	3005.5	2968.8
9142.9	42.5°	8866.2	7924.2	4942.6	3410.5	3172.3	3082.5	2989.0	2853.4	2704.9	2629.8
10026.3	45°	9584.6	8389.7	4746.5	3133.8	2943.2	2904.7	2796.6	2633.5	2472.2	2376.9
10911.4	47.5°	10288.3	8829.6	4458.8	2855.2	2728.8	2770.9	2686.6	2536.3	2356.7	2206.5
11789.2	50°	10960.9	9241.9	3987.8	2573.0	2554.7	2730.6	2650.0	2433.7	2228.5	2036.0
12650.6	52.5°	11628.0	9575.4	3384.8	2316.4	2461.2	2719.6	2602.3	2364.1	2113.0	1911.4
13460.6	55°	12194.2	9747.7	2803.9	2096.5	2325.6	2626.1	2545.5	2281.6	1949.9	1735.5
14015.9	57.5°	12516.8	9608.4	2320.1	1880.3	2138.7	2472.2	2448.4	2105.7	1755.6	1590.7
14124.0	60°	12377.5	9044.0	1924.2	1691.5	1960.9	2305.4	2279.8	1931.6	1607.2	1451.4
13544.9	62.5°	11609.6	7968.2	1610.9	1526.6	1799.6	2135.0	2111.2	1797.8	1493.6	1343.3
12007.3	65°	10062.9	6482.0	1367.1	1389.1	1636.5	1929.7	1964.6	1686.0	1403.8	1257.2
9289.5	67.5°	7675.0	4695.2	1176.5	1270.0	1477.1	1728.2	1829.0	1605.4	1328.6	1189.4
5375.1	70°	4374.5	2666.5	1015.3	1154.5	1336.0	1541.2	1724.5	1541.2	1248.0	1132.6
2014.0	72.5°	1658.5	1224.2	877.8	1039.1	1200.4	1383.6	1609.0	1440.4	1154.5	1068.4
1040.9	75°	885.2	745.9	738.5	903.5	1044.6	1229.7	1464.3	1341.5	1084.9	1128.9
720.2	77.5°	602.9	527.8	617.6	773.4	874.2	1059.3	1310.3	1191.2	940.1	936.5
498.5	80°	417.8	373.9	502.1	623.1	676.2	890.7	1143.6	1022.6	766.0	714.7
307.9	82.5°	251.1	243.7	375.7	465.5	478.3	687.2	947.5	857.7	626.8	546.1
183.3	85°	137.4	144.8	240.1	273.1	278.6	480.1	742.2	663.4	482.0	405.0
66.0	87.5°	38.5	49.5	88.0	108.1	133.8	249.2	441.7	394.0	241.9	168.6
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°
4517.4
4849.1
5059.9
5120.3
5087.3
5010.4
4904.1
4724.5
4528.4
4403.8
4301.2
4187.5
4061.1
3876.0
3635.9
3331.7
2985.3
2639.0
2369.6
2190.0
2019.5
1889.4
1717.2
1568.7
1429.4
1319.5
1233.4
1167.4
1117.9
1053.8
1165.5
863.2
683.6
549.8
408.7
168.6
0.0

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