

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: P852665

Luminaire Tested: **GLAN-SB5C-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852665
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-SB5C-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36119 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

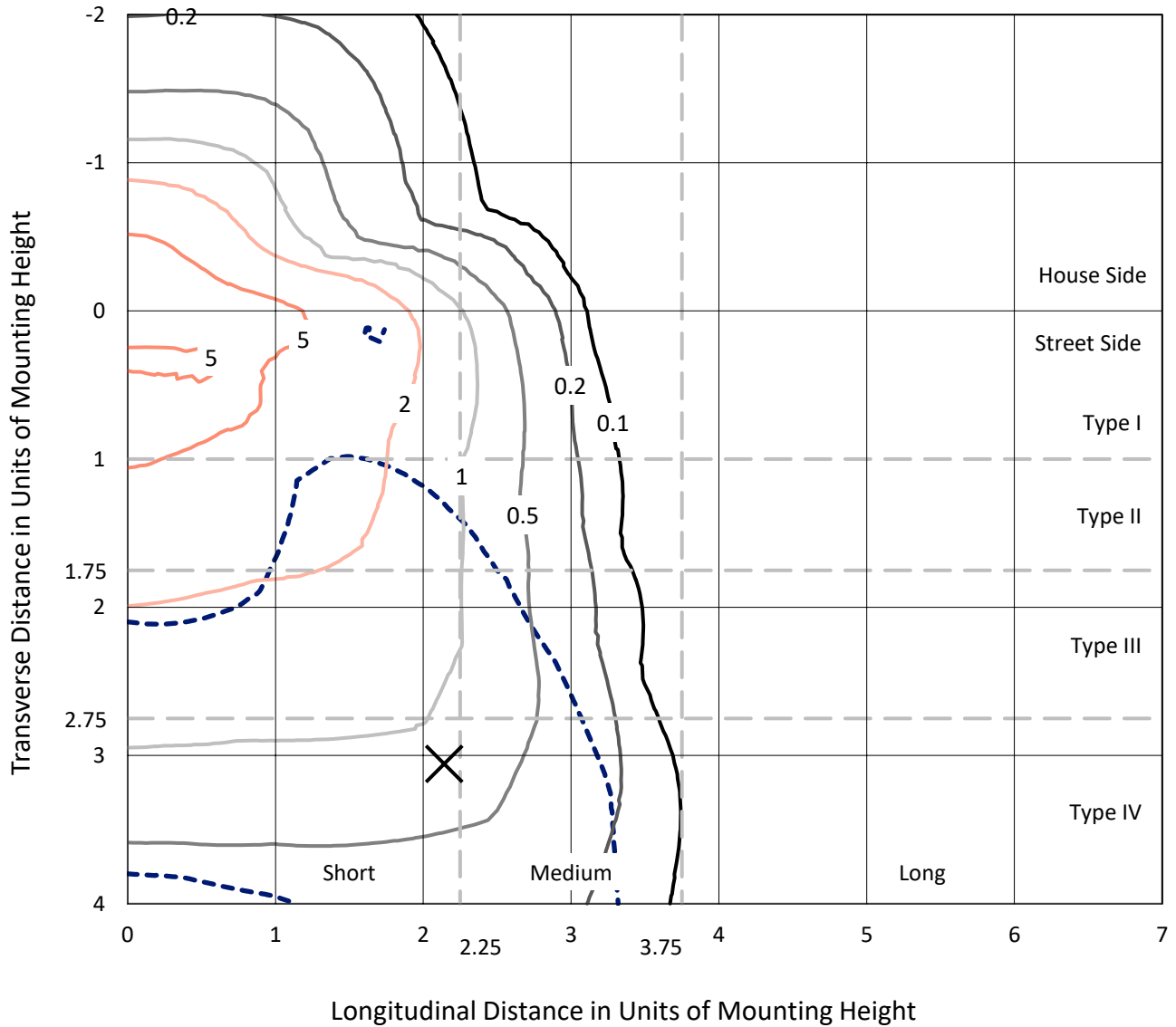
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

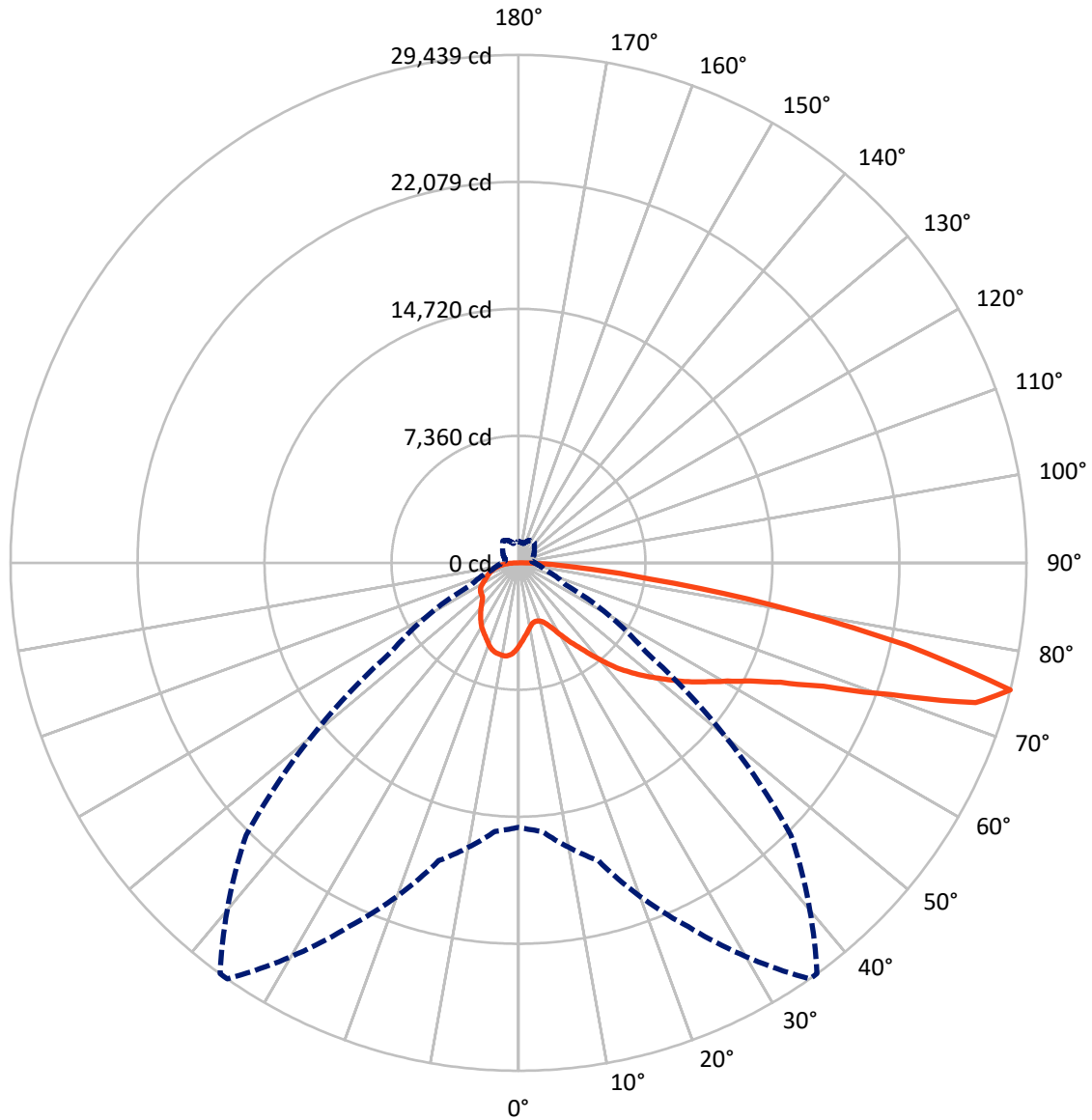
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	8595.4	0.0	8595.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	27523.6	0.0	27523.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	36119.0	0.0	36119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.7	1.3
10°-20°	1314.5	3.6
20°-30°	2207.3	6.1
30°-40°	3430.5	9.5
40°-50°	5091.7	14.1
50°-60°	7029.4	19.5
60°-70°	8528.3	23.6
70°-80°	7048.0	19.5
80°-90°	1013.7	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°	36119.0	100.0
0°-180°	36119.0	100.0

Coefficient of Utilization



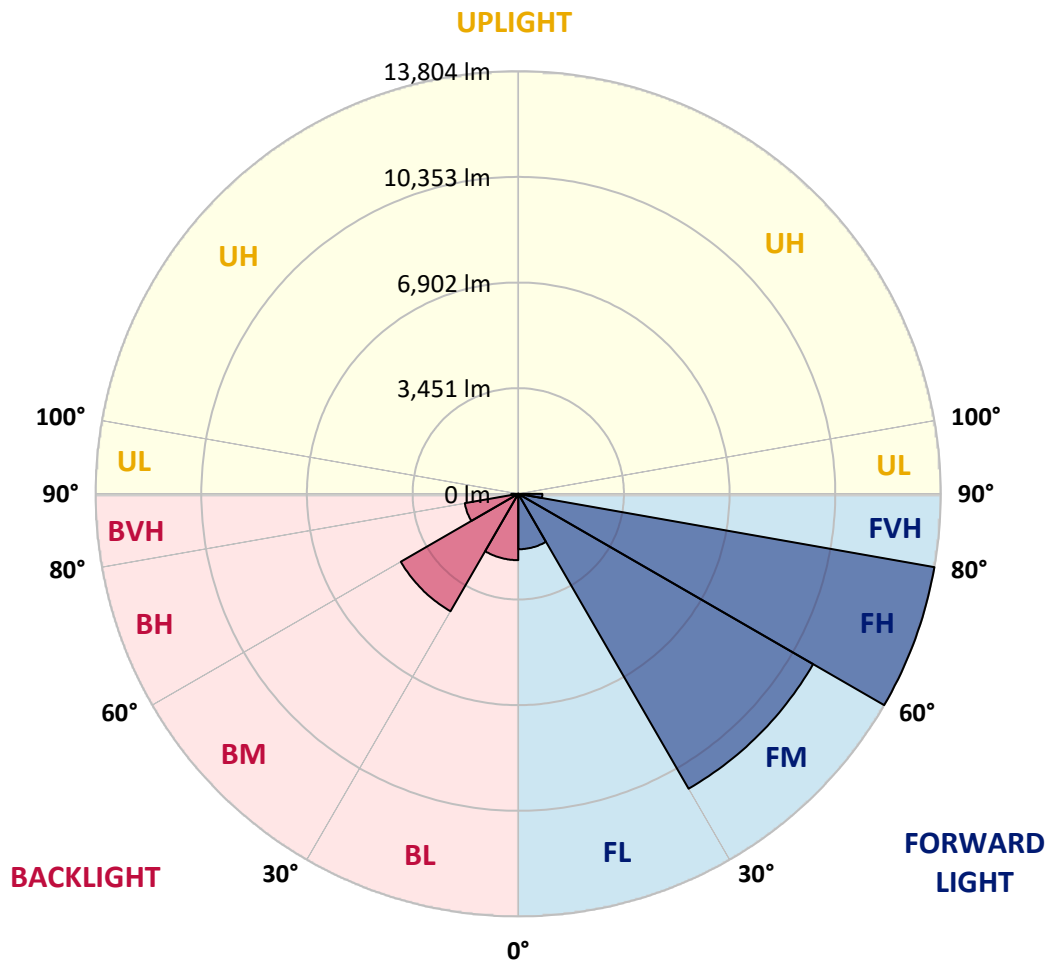
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1811.3	5.0			
FM (30°-60°)	11122.7	30.8			
FH (60°-80°)	13804.1	38.2			G5
FVH (80°-90°)	785.5	2.2			G5
BL (0°-30°)	2166.2	6.0	B3/2500		
BM (30°-60°)	4428.9	12.3	B3/5000		
BH (60°-80°)	1772.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	228.3	0.6			G3/500
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°	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1
2.5°	4438.2	4465.5	4477.3	4471.4	4500.7	4496.8	4537.8	4588.6	4658.8	4727.2
5°	4096.5	4125.8	4151.2	4174.6	4231.2	4248.8	4313.2	4410.9	4539.7	4670.6
7.5°	3778.2	3803.6	3842.7	3885.6	3981.3	3998.9	4106.3	4258.6	4438.2	4629.6
10°	3518.5	3543.9	3584.9	3633.7	3752.9	3774.3	3911.0	4114.1	4348.4	4590.5
12.5°	3407.2	3415.1	3438.5	3487.3	3590.8	3604.5	3754.8	3987.2	4260.5	4561.2
15°	3401.4	3417.0	3419.0	3444.3	3530.3	3536.1	3674.7	3905.2	4205.8	4555.4
17.5°	3460.0	3471.7	3454.1	3469.7	3542.0	3551.7	3661.1	3866.1	4188.3	4580.7
20°	3616.2	3625.9	3573.2	3551.7	3604.5	3612.3	3719.7	3891.5	4205.8	4633.5
22.5°	3948.1	3954.0	3825.1	3737.2	3741.1	3745.0	3838.8	3995.0	4274.2	4729.1
25°	4465.5	4461.6	4256.6	4086.7	3989.1	3967.6	4030.1	4162.9	4389.4	4856.1
27.5°	5070.8	5041.6	4836.5	4582.7	4369.9	4338.6	4325.0	4381.6	4553.4	5024.0
30°	5754.2	5726.9	5506.3	5174.3	4879.5	4828.7	4699.9	4670.6	4797.5	5252.4
32.5°	6504.0	6486.5	6222.9	5820.6	5426.2	5367.6	5150.9	5072.8	5172.4	5598.0
35°	7132.8	7117.1	6898.5	6484.5	6002.2	5930.0	5709.3	5621.5	5672.2	6041.3
37.5°	7701.0	7693.2	7505.7	7179.6	6681.7	6593.9	6345.9	6316.6	6306.8	6625.1
40°	8228.2	8208.6	8013.4	7841.5	7472.5	7392.5	7173.8	7148.4	7074.2	7343.6
42.5°	8812.0	8761.2	8478.1	8398.0	8298.5	8232.1	8101.2	8105.1	7941.1	8154.0
45°	9288.4	9259.1	8968.2	8921.3	9028.7	9001.4	9114.6	9143.9	8825.6	9003.3
47.5°	9800.0	9772.6	9526.6	9493.4	9784.4	9792.2	10192.4	10202.2	9688.7	9885.9
50°	10430.7	10391.6	10147.5	10188.5	10514.6	10543.9	11276.1	11209.7	10483.4	10782.1
52.5°	10846.6	10870.0	10817.3	10883.7	11328.8	11356.2	12342.2	12172.4	11270.3	11666.6
55°	11153.1	11200.0	11364.0	11516.3	12188.0	12215.3	13347.8	13088.1	11922.4	12486.7
57.5°	11547.5	11481.1	11787.7	12084.5	13004.2	13076.4	14326.1	13970.7	12500.4	13193.6
60°	12113.8	12066.9	12305.1	12744.5	13918.0	14033.2	15360.9	14765.4	12924.1	13753.9
62.5°	13261.9	13144.7	13181.8	13570.4	15070.0	15222.3	16528.6	15458.5	13135.0	13972.6
65°	14978.2	14777.1	14589.7	14859.1	16692.6	16842.9	17846.5	16003.3	13056.9	13548.9
67.5°	17139.7	16940.6	16710.1	16964.0	19082.5	19201.6	19473.0	16309.9	12441.8	11916.6
70°	18922.4	18848.2	19123.5	20168.2	22899.8	22903.7	21558.4	16056.0	10756.7	8448.8
72.5°	18686.2	18641.2	20092.0	23321.6	27711.0	27607.5	23532.5	14134.7	7246.0	3811.4
75°	15329.7	15620.6	17868.0	23264.9	29439.0	29425.3	22323.8	8985.8	2997.2	1579.6
77.5°	8220.3	8681.2	11600.3	17176.8	22981.8	23327.4	15694.8	3143.6	1286.7	1011.4
80°	2680.9	3083.1	4623.7	8745.6	14933.3	14868.9	6726.6	1234.0	880.6	716.6
82.5°	1138.4	1185.2	2065.8	4129.7	7663.9	7544.8	2142.0	708.8	619.0	490.1
85°	445.2	497.9	911.9	1909.6	3319.4	3247.1	773.2	351.5	396.4	320.2
87.5°	146.4	177.7	326.1	654.1	1032.9	995.8	189.4	121.1	171.8	146.4
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°
4813.1	0°	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1	4813.1
4826.8	2.5°	4854.1	4885.3	4922.4	4977.1	5024.0	5063.0	5104.0	5129.4	5139.2	5168.5
4834.6	5°	4889.3	4957.6	5049.4	5139.2	5227.0	5279.8	5326.6	5350.1	5371.5	5387.2
4856.1	7.5°	4947.8	5035.7	5180.2	5297.3	5371.5	5414.5	5445.7	5437.9	5445.7	5449.6
4879.5	10°	4998.6	5121.6	5293.4	5404.7	5461.4	5463.3	5455.5	5428.2	5414.5	5416.4
4914.6	12.5°	5059.1	5195.8	5381.3	5475.0	5490.6	5447.7	5414.5	5367.6	5350.1	5342.2
4967.4	15°	5141.1	5297.3	5477.0	5512.1	5473.1	5418.4	5361.8	5285.6	5246.6	5215.3
5057.2	17.5°	5240.7	5412.5	5551.2	5525.8	5441.8	5352.0	5260.2	5145.0	5065.0	5031.8
5180.2	20°	5379.3	5533.6	5607.8	5496.5	5369.6	5232.9	5076.7	4936.1	4861.9	4828.7
5336.4	22.5°	5547.3	5695.7	5662.5	5445.7	5266.1	5047.4	4852.2	4748.7	4711.6	4688.1
5537.5	25°	5748.4	5875.3	5701.5	5371.5	5096.2	4801.4	4651.0	4617.8	4600.3	4582.7
5783.5	27.5°	6010.0	6078.4	5730.8	5262.2	4830.7	4539.7	4485.1	4490.9	4485.1	4455.8
6125.2	30°	6355.6	6342.0	5758.1	5084.5	4526.1	4303.5	4307.4	4332.8	4336.7	4317.1
6601.7	32.5°	6810.6	6672.0	5771.8	4854.1	4235.1	4096.5	4100.4	4127.7	4147.3	4114.1
7224.5	35°	7361.2	7056.6	5750.3	4565.1	4010.6	3899.3	3870.0	3877.8	3883.7	3852.4
7980.2	37.5°	8003.6	7488.1	5654.7	4244.9	3825.1	3706.0	3643.5	3590.8	3559.5	3530.3
8835.4	40°	8708.5	7958.7	5478.9	3932.5	3618.1	3501.0	3407.2	3307.7	3202.2	3163.2
9741.4	42.5°	9446.6	8442.9	5266.1	3633.7	3379.9	3284.2	3184.7	3040.2	2882.0	2801.9
10682.5	45°	10212.0	8938.9	5057.2	3338.9	3135.8	3094.8	2979.6	2805.9	2634.0	2532.5
11625.6	47.5°	10961.8	9407.5	4750.6	3042.1	2907.4	2952.3	2862.5	2702.4	2511.0	2350.9
12560.9	50°	11678.4	9846.8	4248.8	2741.4	2721.9	2909.3	2823.4	2593.0	2374.3	2169.3
13478.6	52.5°	12389.1	10202.2	3606.4	2468.1	2622.3	2897.6	2772.7	2518.8	2251.3	2036.5
14341.7	55°	12992.4	10385.8	2987.4	2233.7	2477.8	2798.0	2712.1	2431.0	2077.5	1849.1
14933.3	57.5°	13336.1	10237.4	2472.0	2003.3	2278.7	2634.0	2608.6	2243.5	1870.6	1694.8
15048.5	60°	13187.7	9636.0	2050.2	1802.2	2089.3	2456.3	2429.0	2058.0	1712.4	1546.4
14431.5	62.5°	12369.6	8489.8	1716.3	1626.5	1917.4	2274.8	2249.4	1915.5	1591.3	1431.2
12793.3	65°	10721.6	6906.3	1456.6	1480.1	1743.7	2056.1	2093.2	1796.4	1495.7	1339.5
9897.6	67.5°	8177.4	5002.5	1253.6	1353.1	1573.8	1841.3	1948.7	1710.5	1415.6	1267.2
5726.9	70°	4660.8	2841.0	1081.7	1230.1	1423.4	1642.1	1837.4	1642.1	1329.7	1206.7
2145.9	72.5°	1767.1	1304.3	935.3	1107.1	1278.9	1474.2	1714.4	1534.7	1230.1	1138.4
1109.1	75°	943.1	794.7	786.9	962.6	1113.0	1310.2	1560.1	1429.3	1155.9	1202.8
767.4	77.5°	642.4	562.3	658.0	824.0	931.4	1128.6	1396.1	1269.2	1001.7	997.8
531.1	80°	445.2	398.3	535.0	663.9	720.5	949.0	1218.4	1089.5	816.2	761.5
328.0	82.5°	267.5	259.7	400.3	496.0	509.6	732.2	1009.5	913.8	667.8	581.9
195.3	85°	146.4	154.3	255.8	290.9	296.8	511.6	790.8	706.8	513.5	431.5
70.3	87.5°	41.0	52.7	93.7	115.2	142.5	265.6	470.6	419.8	257.7	179.6
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°
4813.1
5166.5
5391.1
5455.5
5420.4
5338.3
5225.1
5033.7
4824.8
4692.0
4582.7
4461.6
4326.9
4129.7
3873.9
3549.8
3180.7
2811.7
2524.7
2333.3
2151.7
2013.1
1829.6
1671.4
1523.0
1405.9
1314.1
1243.8
1191.1
1122.7
1241.8
919.7
728.3
585.8
435.4
179.6
0.0

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