

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: P848778

Luminaire Tested: **GLAN-SB5C-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848778
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-SB5C-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36568 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

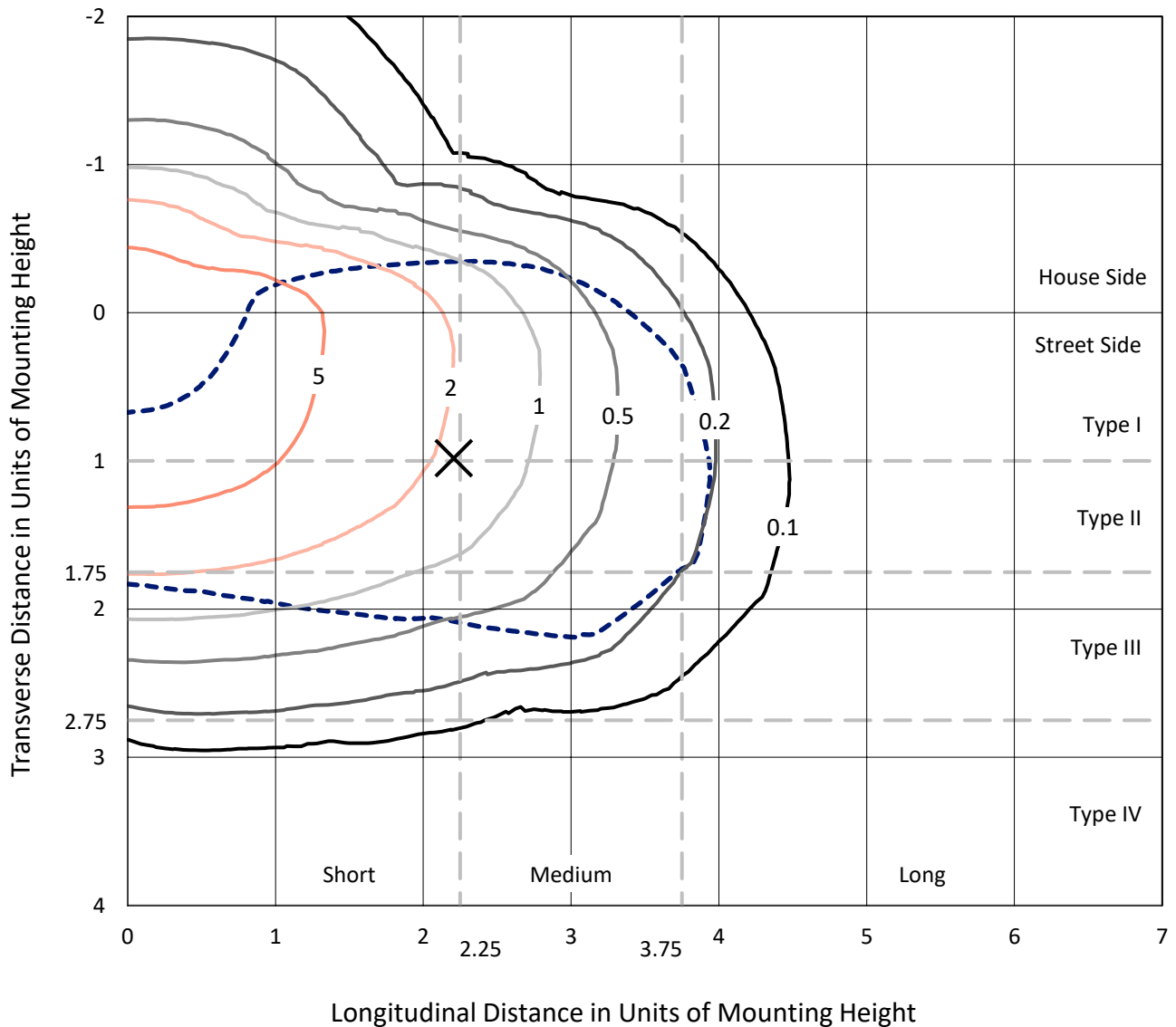
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

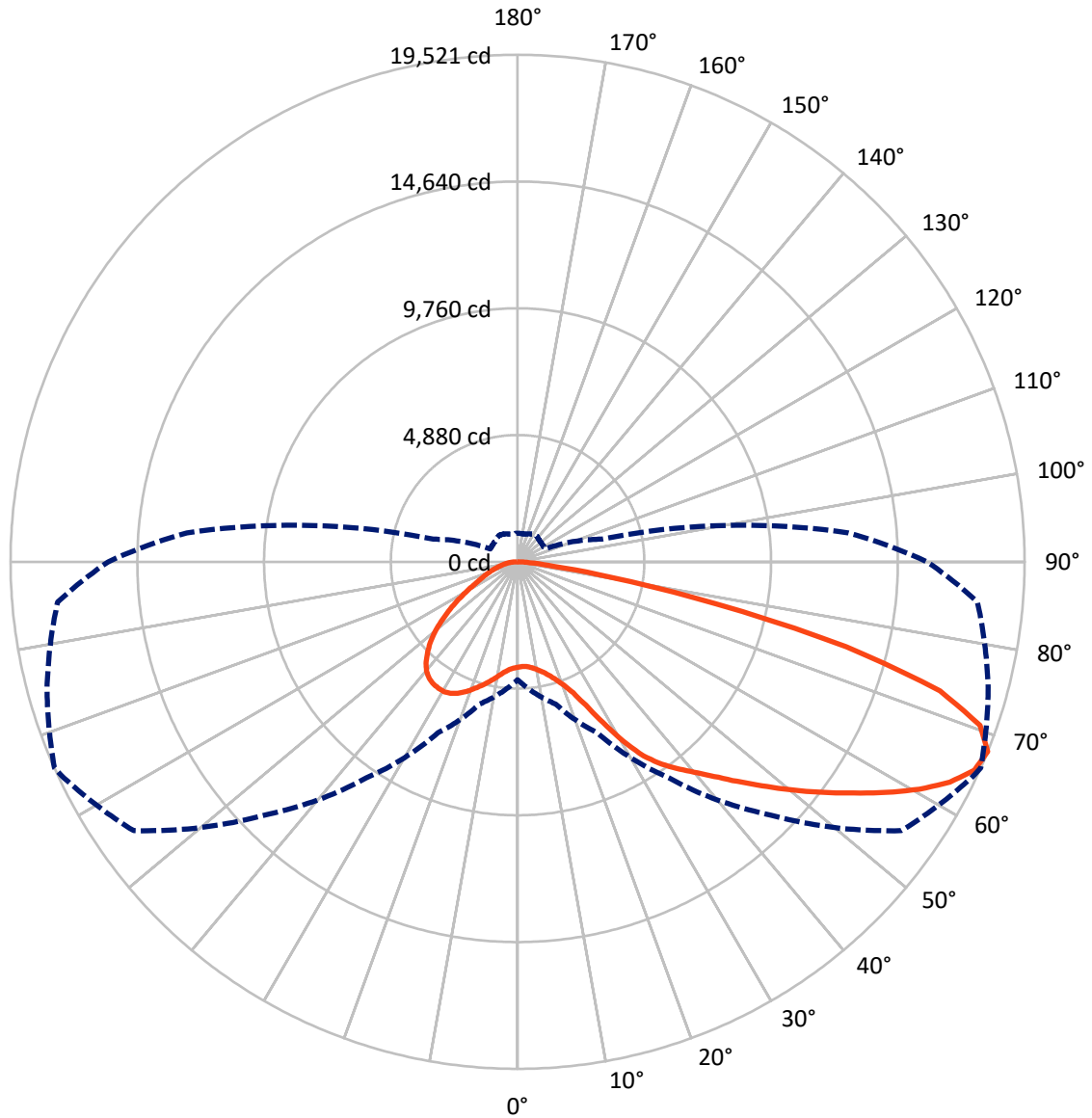
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	9092.5	0.0	9092.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	27475.5	0.0	27475.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	36568.0	0.0	36568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.1	1.1
10°-20°	1328.6	3.6
20°-30°	2560.7	7.0
30°-40°	4489.9	12.3
40°-50°	6675.0	18.3
50°-60°	8461.2	23.1
60°-70°	8279.1	22.6
70°-80°	3949.2	10.8
80°-90°	422.1	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°	36568.0	100.0
0°-180°	36568.0	100.0

Coefficient of Utilization

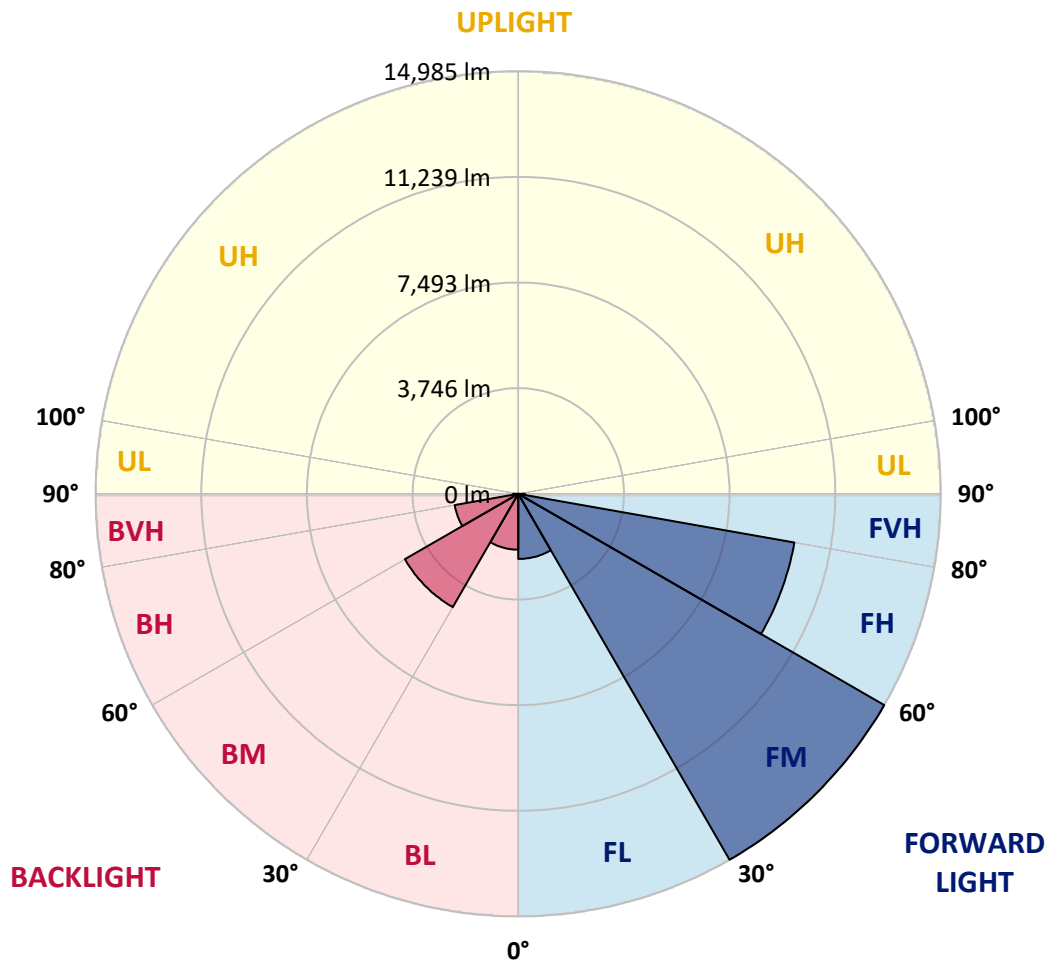


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2310.7	6.3			
FM (30°-60°)	14985.3	41.0			
FH (60°-80°)	9940.2	27.2			G4/12000
FVH (80°-90°)	239.3	0.7			G3/500
BL (0°-30°)	1980.7	5.4	B3/2500		
BM (30°-60°)	4640.9	12.7	B3/5000		
BH (60°-80°)	2288.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	182.8	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°	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9
2.5°	4013.6	4036.7	4030.9	4021.3	4019.4	4023.2	4029.0	4034.7	4032.8	4042.4
5°	4002.1	4025.1	4023.2	4023.2	4030.9	4046.3	4055.9	4065.5	4055.9	4067.4
7.5°	4009.8	4027.1	4034.7	4042.4	4061.6	4090.5	4113.5	4134.6	4123.1	4136.6
10°	4107.7	4121.2	4128.9	4128.9	4142.3	4175.0	4198.1	4236.5	4226.9	4248.0
12.5°	4286.4	4299.9	4299.9	4292.2	4301.8	4322.9	4330.6	4372.9	4355.6	4390.2
15°	4505.5	4532.4	4511.2	4497.8	4501.6	4522.8	4520.8	4553.5	4536.2	4565.0
17.5°	4747.5	4782.1	4747.5	4745.6	4737.9	4761.0	4762.9	4791.7	4761.0	4782.1
20°	5033.8	5081.9	5053.0	5062.6	5045.3	5055.0	5064.6	5106.8	5058.8	5074.2
22.5°	5437.3	5494.9	5464.2	5500.7	5489.2	5481.5	5479.6	5554.5	5479.6	5485.3
25°	6025.2	6094.4	6040.6	6090.5	6090.5	6115.5	6144.3	6240.4	6115.5	6079.0
27.5°	6893.6	6962.8	6857.1	6887.9	6878.3	6939.8	6909.0	7147.3	7012.8	6953.2
30°	7938.8	8061.8	7862.0	7854.3	7844.7	7942.7	7986.9	8144.4	8008.0	7948.4
32.5°	9068.6	9197.3	8959.0	8889.9	8853.4	8912.9	8876.4	9003.2	8909.1	8816.9
35°	10263.6	10390.4	10163.7	10029.2	9883.2	9758.3	9627.7	9660.3	9571.9	9431.7
37.5°	11393.3	11625.8	11385.7	11241.6	10972.6	10728.6	10363.5	10211.7	10129.1	10000.4
40°	12544.2	12676.8	12494.2	12371.3	12079.2	11696.9	11112.8	10792.0	10680.5	10555.6
42.5°	13391.5	13518.3	13420.3	13335.8	13107.1	12663.3	11908.2	11506.7	11345.3	11205.0
45°	14064.0	14158.1	14096.6	14127.4	14029.4	13599.0	12732.5	12273.3	12106.1	11935.1
47.5°	14334.9	14434.8	14532.7	14715.3	14882.4	14565.4	13618.2	13103.3	12926.5	12751.7
50°	14304.1	14405.9	14690.3	15078.4	15597.2	15491.5	14552.0	13987.1	13823.8	13624.0
52.5°	14058.2	14173.5	14538.5	15184.1	16010.2	16185.1	15503.0	14899.7	14746.0	14507.8
55°	13412.6	13481.8	14029.4	14943.9	16108.2	16669.2	16434.8	15871.9	15718.2	15385.8
57.5°	12215.7	12315.6	13112.9	14296.4	15862.3	16997.8	17253.3	16894.0	16746.1	16267.7
60°	10653.6	10813.1	11725.7	13209.0	15235.9	16995.9	17996.9	17898.9	17775.9	17136.1
62.5°	8886.0	9070.5	9948.5	11671.9	14140.8	16513.6	18461.8	18740.4	18677.0	17937.3
65°	6824.5	6951.3	7825.5	9683.4	12436.6	15478.0	18515.6	19314.9	19326.4	18546.4
67.5°	4543.9	4908.9	5667.8	7266.4	10154.1	13785.4	18043.0	19409.0	19520.5	18755.8
70°	2217.2	2697.5	3441.1	4722.6	7266.4	11189.7	16807.6	18636.7	18884.5	18144.8
72.5°	920.3	1075.9	1481.3	2330.5	4171.2	7550.7	14325.2	16542.4	17001.6	16077.5
75°	620.6	672.5	847.3	1195.1	1900.2	3723.5	10330.9	12334.8	13074.5	12142.6
77.5°	478.4	511.1	616.7	835.8	1129.7	1408.3	5529.5	7433.5	7815.9	7235.6
80°	376.6	401.6	461.1	609.1	801.2	753.2	1884.8	3368.0	3589.0	3010.7
82.5°	326.6	336.2	330.5	413.1	532.2	440.0	618.7	1243.1	1371.8	995.2
85°	236.3	263.2	274.7	255.5	282.4	222.9	253.6	440.0	484.2	432.3
87.5°	96.1	142.2	174.8	165.2	103.8	63.4	78.8	128.7	147.9	161.4
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°
4055.9	0°	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9
4057.8	2.5°	4059.7	4073.2	4082.8	4094.3	4102.0	4113.5	4136.6	4150.0	4151.9	4161.5
4088.5	5°	4096.2	4115.4	4136.6	4167.3	4201.9	4230.7	4274.9	4305.6	4317.2	4326.8
4163.5	7.5°	4175.0	4201.9	4240.3	4294.1	4344.1	4382.5	4436.3	4472.8	4509.3	4522.8
4282.6	10°	4292.2	4330.6	4386.3	4459.3	4513.1	4563.1	4618.8	4649.6	4686.1	4701.4
4424.8	12.5°	4438.2	4478.6	4551.6	4653.4	4703.4	4737.9	4757.2	4749.5	4757.2	4770.6
4595.8	15°	4605.4	4649.6	4732.2	4841.7	4876.3	4845.5	4803.3	4764.8	4759.1	4762.9
4803.3	17.5°	4803.3	4835.9	4932.0	5024.2	4999.2	4872.4	4780.2	4718.7	4688.0	4678.4
5068.4	20°	5079.9	5079.9	5158.7	5216.3	5049.2	4834.0	4689.9	4590.0	4526.6	4499.7
5429.6	22.5°	5416.2	5385.4	5435.4	5395.0	5039.6	4726.4	4526.6	4353.7	4257.6	4219.2
5934.9	25°	5842.7	5806.2	5792.7	5543.0	4970.4	4555.4	4230.7	4021.3	3936.8	3915.6
6663.1	27.5°	6486.3	6394.1	6219.3	5623.7	4843.6	4286.4	3884.9	3690.8	3642.8	3644.7
7598.8	30°	7343.2	7158.8	6730.3	5637.1	4636.1	3906.0	3531.4	3393.0	3370.0	3379.6
8384.6	32.5°	8136.7	7961.9	7252.9	5575.6	4317.2	3533.3	3214.3	3122.1	3087.5	3099.1
8984.0	35°	8759.2	8711.2	7737.1	5489.2	3925.2	3183.6	2930.0	2851.2	2784.0	2768.6
9548.9	37.5°	9347.1	9327.9	8100.2	5368.1	3537.1	2935.8	2701.4	2597.6	2499.6	2445.8
10173.3	40°	9992.7	9973.5	8338.5	5181.8	3193.2	2720.6	2495.8	2359.4	2238.3	2140.3
10880.3	42.5°	10719.0	10605.6	8451.8	4914.7	2901.2	2538.0	2328.6	2144.2	1984.7	1894.4
11679.6	45°	11512.5	11256.9	8449.9	4574.6	2655.2	2370.9	2149.9	1888.6	1740.7	1656.2
12500.0	47.5°	12354.0	11879.4	8346.1	4198.1	2417.0	2186.4	1873.3	1673.5	1575.5	1523.6
13391.5	50°	13222.4	12461.6	8169.4	3765.8	2173.0	1977.0	1700.4	1563.9	1489.0	1441.0
14275.3	52.5°	14039.0	12989.9	7956.1	3275.8	1925.1	1773.4	1623.5	1517.8	1439.1	1385.3
15132.2	55°	14797.9	13445.3	7654.5	2774.4	1723.4	1637.0	1587.0	1498.6	1408.3	1344.9
16002.5	57.5°	15472.3	13741.2	7133.8	2303.6	1579.3	1542.8	1548.6	1466.0	1362.2	1308.4
16859.4	60°	16033.3	13958.3	6363.4	1867.5	1462.1	1450.6	1489.0	1404.5	1283.4	1221.9
17583.8	62.5°	16369.5	13954.4	5418.1	1529.4	1362.2	1366.0	1410.2	1327.6	1204.7	1147.0
17962.3	65°	16340.7	13612.4	4380.6	1308.4	1266.1	1270.0	1327.6	1243.1	1139.3	1104.8
17772.1	67.5°	15762.4	12778.6	3360.4	1164.3	1160.5	1177.8	1245.0	1185.4	1099.0	1095.1
16638.5	70°	14196.5	11047.5	2420.8	1049.0	1051.0	1075.9	1164.3	1148.9	1077.9	1085.5
13989.0	72.5°	11383.7	8423.0	1625.4	928.0	929.9	970.3	1087.5	1120.1	1056.7	1158.5
9925.5	75°	7581.5	5252.8	1045.2	799.3	801.2	853.1	1020.2	1064.4	999.1	1154.7
5164.5	77.5°	3642.8	2361.3	757.0	672.5	672.5	720.5	881.9	953.0	851.1	897.2
1660.0	80°	1258.5	887.6	595.6	541.8	530.3	562.9	743.5	826.2	733.9	676.3
541.8	82.5°	495.7	461.1	478.4	420.8	382.3	403.5	578.3	682.1	539.9	488.0
305.5	85°	284.4	299.7	338.1	278.6	221.0	247.8	424.6	489.9	407.3	359.3
99.9	87.5°	76.9	105.7	155.6	144.1	99.9	105.7	201.7	270.9	234.4	180.6
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°
4055.9
4159.6
4324.9
4524.7
4709.1
4774.4
4776.4
4691.8
4493.9
4213.4
3919.5
3650.5
3412.2
3114.4
2780.1
2447.7
2149.9
1900.2
1652.3
1512.1
1423.7
1362.2
1319.9
1273.8
1195.1
1129.7
1102.8
1100.9
1083.6
1173.9
1164.3
822.3
634.0
486.1
367.0
186.4
0.0

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