

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: P849518

Luminaire Tested: **GLAN-SB6C-830-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849518
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-SB6C-830-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39021 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

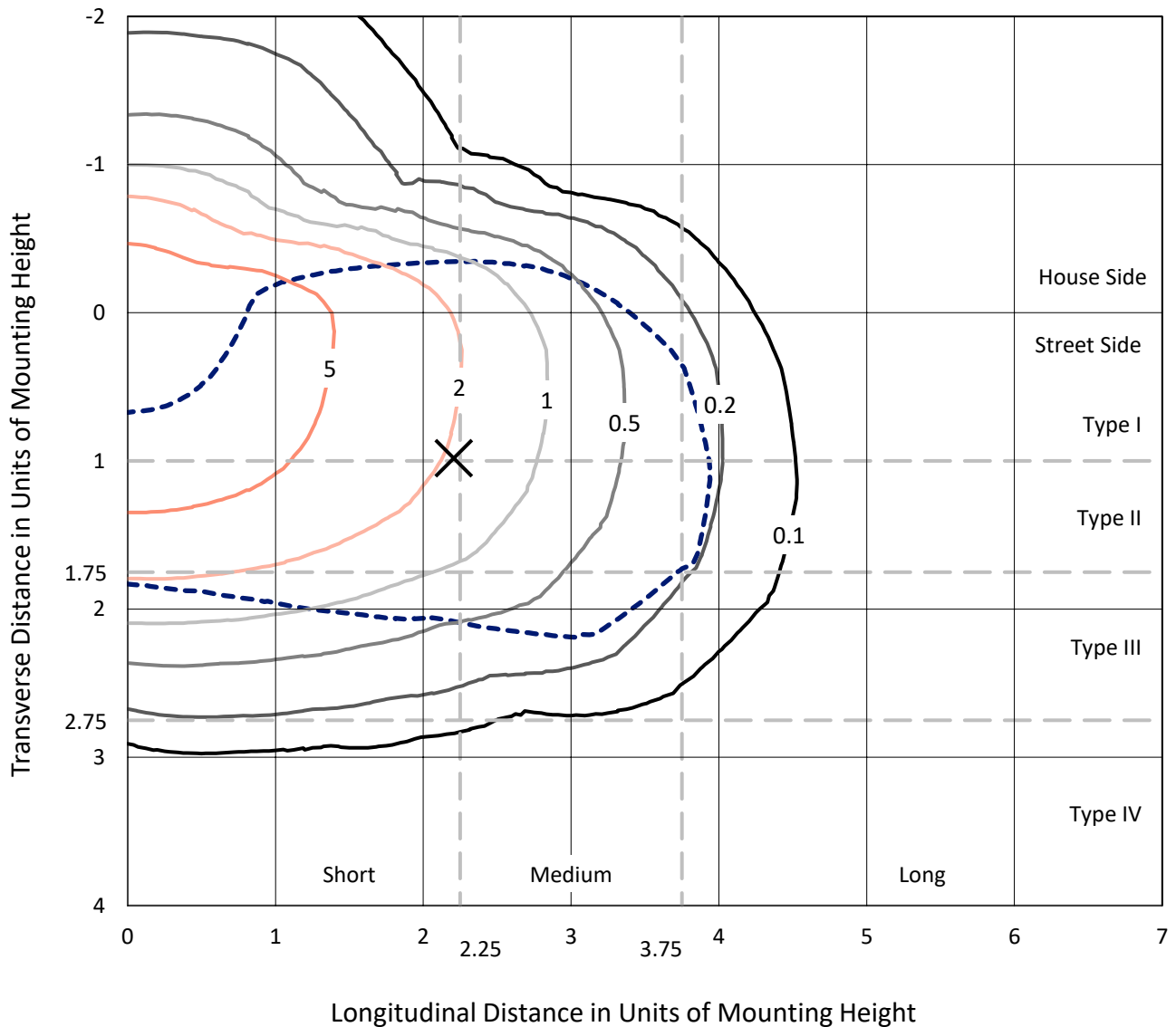
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

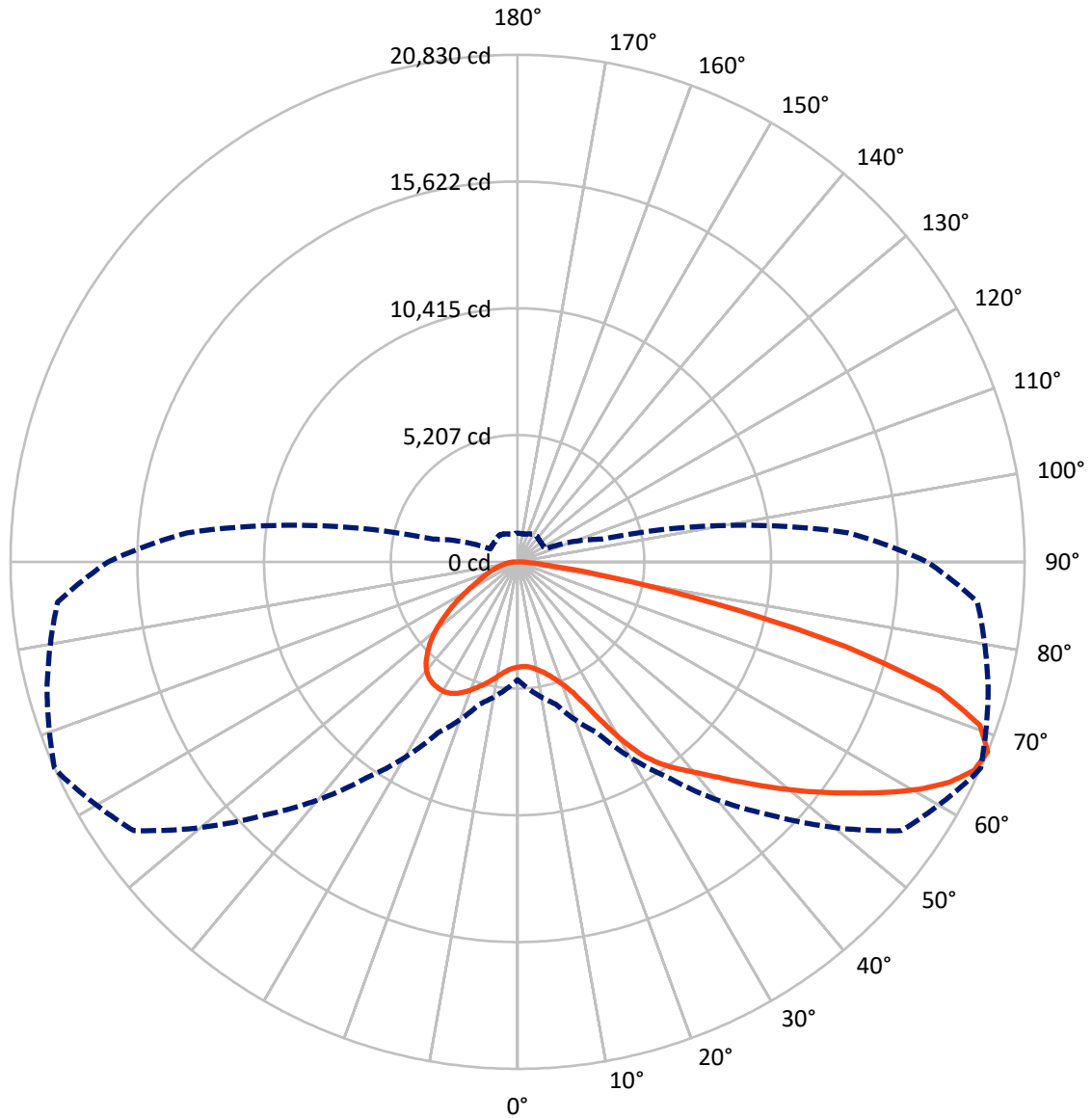
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	9702.5	0.0	9702.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	29318.5	0.0	29318.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	39021.0	0.0	39021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.1	1.1
10°-20°	1417.7	3.6
20°-30°	2732.5	7.0
30°-40°	4791.1	12.3
40°-50°	7122.8	18.3
50°-60°	9028.8	23.1
60°-70°	8834.5	22.6
70°-80°	4214.1	10.8
80°-90°	450.4	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°	39021.0	100.0
0°-180°	39021.0	100.0

Coefficient of Utilization

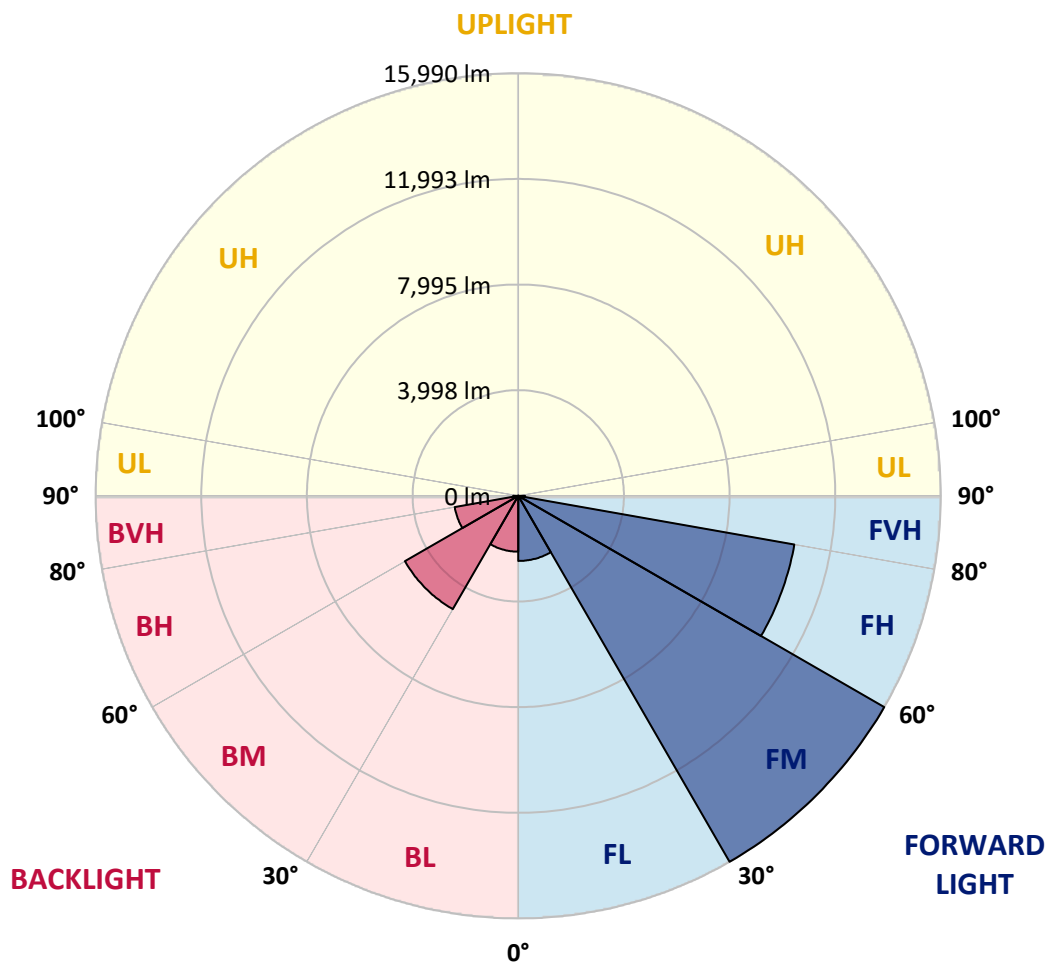


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2465.7	6.3			
FM (30°-60°)	15990.5	41.0			
FH (60°-80°)	10607.0	27.2			G4/12000
FVH (80°-90°)	255.3	0.7			G3/500
BL (0°-30°)	2113.5	5.4	B3/2500		
BM (30°-60°)	4952.2	12.7	B3/5000		
BH (60°-80°)	2441.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	195.0	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°	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9
2.5°	4282.8	4307.4	4301.3	4291.0	4289.0	4293.1	4299.2	4305.4	4303.3	4313.6
5°	4270.5	4295.1	4293.1	4293.1	4301.3	4317.7	4327.9	4338.2	4327.9	4340.2
7.5°	4278.7	4297.2	4305.4	4313.6	4334.1	4364.8	4389.5	4412.0	4399.7	4414.1
10°	4383.3	4397.7	4405.9	4405.9	4420.2	4455.1	4479.7	4520.7	4510.4	4533.0
12.5°	4574.0	4588.3	4588.3	4580.1	4590.4	4612.9	4621.1	4666.2	4647.8	4684.7
15°	4807.7	4836.4	4813.8	4799.5	4803.6	4826.1	4824.1	4858.9	4840.5	4871.2
17.5°	5066.0	5102.9	5066.0	5064.0	5055.8	5080.4	5082.4	5113.2	5080.4	5102.9
20°	5371.5	5422.7	5392.0	5402.2	5383.8	5394.0	5404.3	5449.4	5398.1	5414.5
22.5°	5802.0	5863.5	5830.7	5869.7	5857.4	5849.2	5847.1	5927.1	5847.1	5853.3
25°	6429.4	6503.2	6445.8	6499.1	6499.1	6525.7	6556.5	6659.0	6525.7	6486.8
27.5°	7356.1	7429.9	7317.1	7349.9	7339.7	7405.3	7372.5	7626.7	7483.2	7419.6
30°	8471.4	8602.6	8389.4	8381.2	8370.9	8475.5	8522.6	8690.7	8545.2	8481.6
32.5°	9676.9	9814.2	9560.0	9486.2	9447.3	9510.8	9471.9	9607.2	9506.7	9408.3
35°	10952.1	11087.4	10845.5	10702.0	10546.2	10412.9	10273.5	10308.3	10214.0	10064.4
37.5°	12157.6	12405.7	12149.4	11995.6	11708.6	11448.2	11058.7	10896.7	10808.6	10671.2
40°	13385.7	13527.1	13332.4	13201.2	12889.5	12481.5	11858.3	11515.9	11397.0	11263.7
42.5°	14289.8	14425.1	14320.6	14230.3	13986.4	13512.8	12707.1	12278.6	12106.4	11956.7
45°	15007.4	15107.8	15042.2	15075.0	14970.5	14511.2	13586.6	13096.6	12918.2	12735.8
47.5°	15296.4	15403.1	15507.6	15702.4	15880.7	15542.5	14531.7	13982.3	13793.7	13607.1
50°	15263.6	15372.3	15675.7	16089.9	16643.4	16530.7	15528.1	14925.4	14751.1	14537.9
52.5°	15001.2	15124.2	15513.8	16202.6	17084.2	17270.8	16543.0	15899.2	15735.2	15481.0
55°	14312.4	14386.2	14970.5	15946.4	17188.8	17787.4	17537.3	16936.6	16772.6	16417.9
57.5°	13035.1	13141.7	13992.5	15255.4	16926.3	18138.0	18410.7	18027.3	17869.4	17358.9
60°	11368.3	11538.5	12512.3	14095.0	16258.0	18136.0	19204.1	19099.5	18968.3	18285.6
62.5°	9482.1	9678.9	10615.9	12454.9	15089.4	17621.4	19700.2	19997.5	19929.9	19140.5
65°	7282.3	7417.6	8350.4	10332.9	13270.9	16516.3	19757.7	20610.5	20622.8	19790.5
67.5°	4848.7	5238.2	6048.1	7753.8	10835.2	14710.1	19253.3	20711.0	20829.9	20013.9
70°	2365.9	2878.5	3671.9	5039.4	7753.8	11940.3	17935.0	19886.8	20151.3	19362.0
72.5°	982.0	1148.1	1580.7	2486.9	4451.0	8057.2	15286.2	17652.1	18142.1	17156.0
75°	662.2	717.6	904.1	1275.2	2027.6	3973.3	11023.9	13162.2	13951.5	12957.2
77.5°	510.5	545.3	658.1	891.8	1205.5	1502.8	5900.4	7932.2	8340.2	7721.0
80°	401.8	428.5	492.0	649.9	854.9	803.7	2011.2	3594.0	3829.7	3212.6
82.5°	348.5	358.8	352.6	440.8	567.9	469.5	660.2	1326.5	1463.8	1062.0
85°	252.2	280.9	293.2	272.7	301.4	237.8	270.6	469.5	516.6	461.3
87.5°	102.5	151.7	186.6	176.3	110.7	67.7	84.1	137.4	157.9	172.2
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°
4327.9	0°	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9	4327.9
4330.0	2.5°	4332.0	4346.4	4356.6	4368.9	4377.1	4389.5	4414.1	4428.4	4430.5	4440.7
4362.8	5°	4371.0	4391.5	4414.1	4446.9	4483.8	4514.5	4561.7	4594.5	4606.8	4617.0
4442.8	7.5°	4455.1	4483.8	4524.8	4582.2	4635.5	4676.5	4733.9	4772.8	4811.8	4826.1
4569.9	10°	4580.1	4621.1	4680.6	4758.5	4815.9	4869.2	4928.6	4961.5	5000.4	5016.8
4721.6	12.5°	4735.9	4779.0	4856.9	4965.6	5018.9	5055.8	5076.3	5068.1	5076.3	5090.6
4904.0	15°	4914.3	4961.5	5049.6	5166.5	5203.4	5170.6	5125.5	5084.5	5078.3	5082.4
5125.5	17.5°	5125.5	5160.3	5262.8	5361.2	5334.6	5199.3	5100.9	5035.3	5002.5	4992.2
5408.4	20°	5420.7	5420.7	5504.8	5566.3	5387.9	5158.3	5004.5	4897.9	4830.2	4801.5
5793.8	22.5°	5779.5	5746.7	5800.0	5756.9	5377.6	5043.5	4830.2	4645.7	4543.2	4502.2
6333.0	25°	6234.6	6195.7	6181.3	5914.8	5303.8	4861.0	4514.5	4291.0	4200.8	4178.3
7110.0	27.5°	6921.4	6823.0	6636.5	6000.9	5168.5	4574.0	4145.5	3938.4	3887.2	3889.2
8108.5	30°	7835.8	7639.0	7181.8	6015.2	4947.1	4168.0	3768.2	3620.6	3596.0	3606.3
8947.0	32.5°	8682.5	8496.0	7739.5	5949.6	4606.8	3770.3	3430.0	3331.6	3294.7	3307.0
9586.7	35°	9346.8	9295.5	8256.1	5857.4	4188.5	3397.2	3126.5	3042.5	2970.7	2954.3
10189.4	37.5°	9974.2	9953.7	8643.6	5728.2	3774.4	3132.7	2882.6	2771.9	2667.3	2609.9
10855.7	40°	10663.0	10642.5	8897.8	5529.4	3407.4	2903.1	2663.2	2517.6	2388.5	2283.9
11610.2	42.5°	11438.0	11317.0	9018.8	5244.4	3095.8	2708.3	2484.8	2288.0	2117.8	2021.5
12463.1	45°	12284.7	12012.0	9016.7	4881.5	2833.4	2529.9	2294.2	2015.3	1857.5	1767.3
13338.5	47.5°	13182.7	12676.3	8906.0	4479.7	2579.1	2333.1	1998.9	1785.7	1681.2	1625.8
14289.8	50°	14109.4	13297.5	8717.4	4018.4	2318.8	2109.6	1814.4	1668.9	1588.9	1537.6
15232.9	52.5°	14980.7	13861.3	8489.8	3495.6	2054.3	1892.3	1732.4	1619.6	1535.6	1478.2
16147.3	55°	15790.5	14347.2	8167.9	2960.5	1839.0	1746.8	1693.5	1599.1	1502.8	1435.1
17076.0	57.5°	16510.2	14662.9	7612.3	2458.2	1685.3	1646.3	1652.5	1564.3	1453.6	1396.2
17990.4	60°	17108.8	14894.6	6790.2	1992.8	1560.2	1547.9	1588.9	1498.7	1369.5	1303.9
18763.3	62.5°	17467.6	14890.5	5781.5	1631.9	1453.6	1457.7	1504.8	1416.7	1285.5	1224.0
19167.2	65°	17436.8	14525.6	4674.4	1396.2	1351.1	1355.2	1416.7	1326.5	1215.8	1178.9
18964.2	67.5°	16819.7	13635.8	3585.8	1242.4	1238.3	1256.8	1328.5	1265.0	1172.7	1168.6
17754.6	70°	15148.8	11788.6	2583.2	1119.4	1121.5	1148.1	1242.4	1226.0	1150.2	1158.4
14927.4	72.5°	12147.4	8988.0	1734.5	990.2	992.3	1035.3	1160.4	1195.3	1127.6	1236.3
10591.3	75°	8090.0	5605.2	1115.3	852.9	854.9	910.3	1088.6	1135.8	1066.1	1232.2
5510.9	77.5°	3887.2	2519.7	807.8	717.6	717.6	768.8	941.0	1016.9	908.2	957.4
1771.4	80°	1342.9	947.2	635.6	578.2	565.9	600.7	793.4	881.6	783.2	721.7
578.2	82.5°	528.9	492.0	510.5	449.0	408.0	430.5	617.1	727.8	576.1	520.7
326.0	85°	303.4	319.8	360.8	297.3	235.8	264.5	453.1	522.8	434.6	383.4
106.6	87.5°	82.0	112.8	166.1	153.8	106.6	112.8	215.3	289.1	250.1	192.7
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°
4327.9
4438.7
4615.0
4828.2
5025.0
5094.7
5096.8
5006.6
4795.4
4496.1
4182.4
3895.4
3641.1
3323.4
2966.6
2611.9
2294.2
2027.6
1763.2
1613.5
1519.2
1453.6
1408.5
1359.3
1275.2
1205.5
1176.8
1174.8
1156.3
1252.7
1242.4
877.5
676.6
518.7
391.6
198.9
0.0

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