

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: P852952

Luminaire Tested: **GLAN-SB7C-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35862 lumens
Efficiency: N/A
Efficacy: 102.3 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

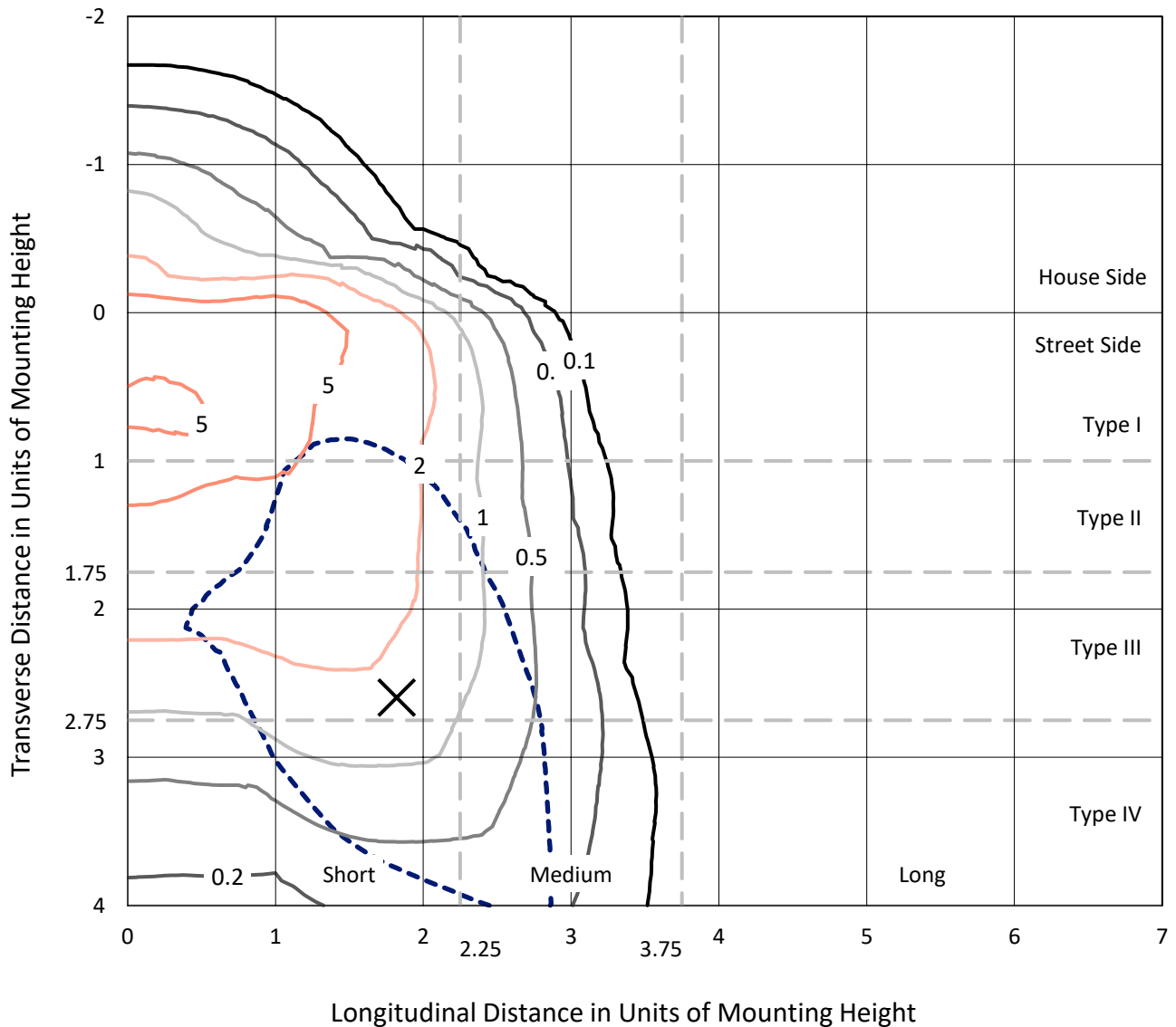
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

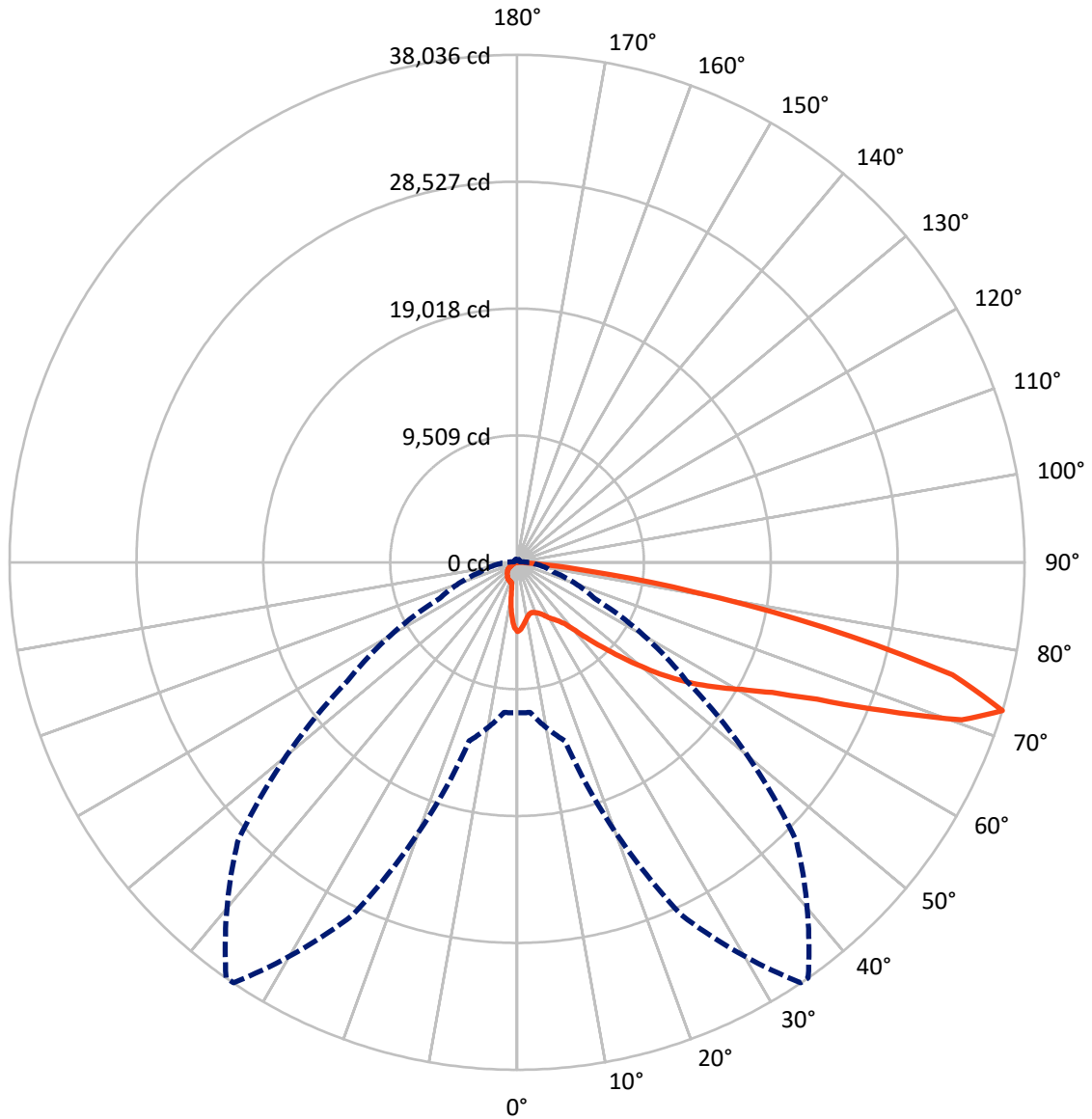
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4036.1	0.0	4036.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	31825.9	0.0	31825.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	35862.0	0.0	35862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.1	1.2
10°-20°	999.2	2.8
20°-30°	1623.1	4.5
30°-40°	2708.1	7.6
40°-50°	5123.9	14.3
50°-60°	8141.8	22.7
60°-70°	10072.0	28.1
70°-80°	6260.8	17.5
80°-90°	506.0	1.4
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°	35862.0	100.0
0°-180°	35862.0	100.0

Coefficient of Utilization



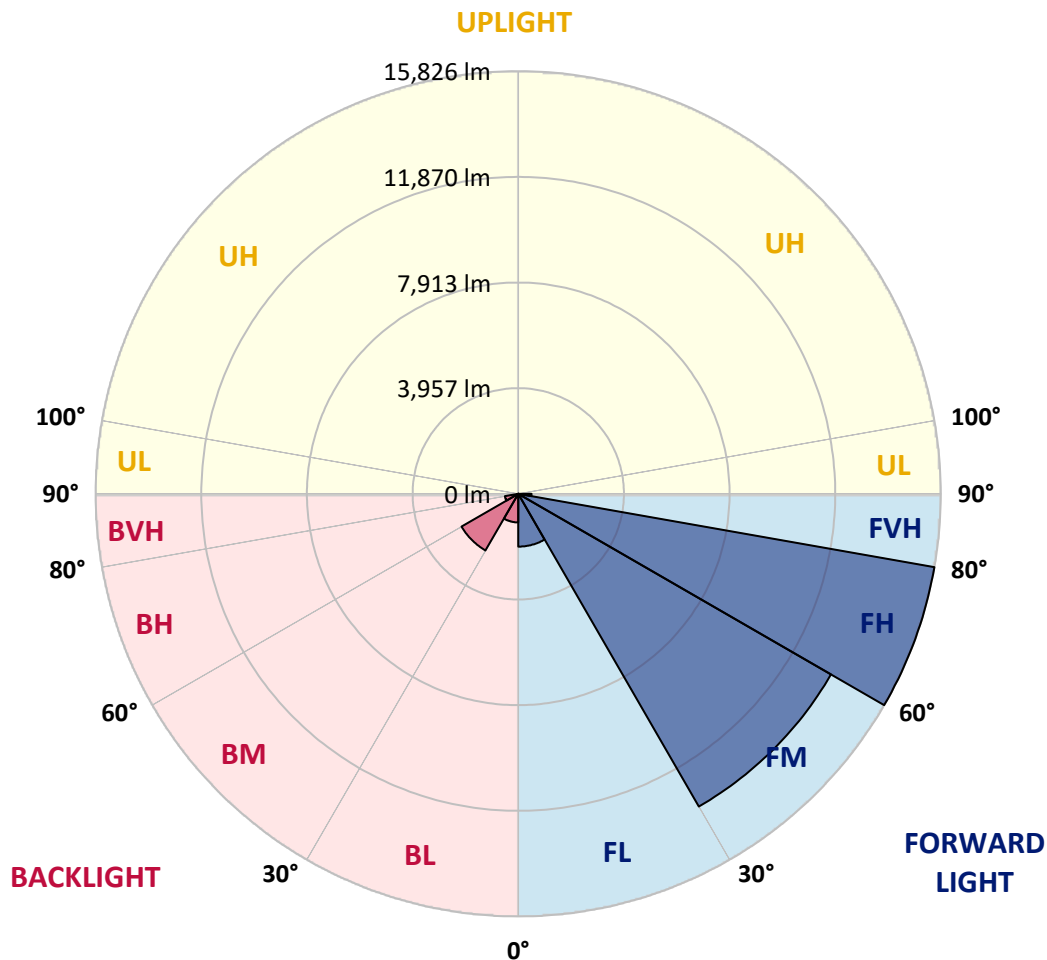
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.9	5.5			
FM (30°-60°)	13523.6	37.7			
FH (60°-80°)	15826.3	44.1			G5
FVH (80°-90°)	499.1	1.4			G3/500
BL (0°-30°)	1072.5	3.0	B3/2500		
BM (30°-60°)	2450.3	6.8	B2/2500		
BH (60°-80°)	506.5	1.4	B2/1000		G2/1000
BVH (80°-90°)	6.9	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6
2.5°	4966.4	5008.4	5016.3	5029.4	5029.4	5045.2	5071.5	5108.3	5168.7	5200.2
5°	4577.5	4609.0	4648.4	4679.9	4740.4	4748.3	4850.7	4950.6	5089.9	5195.0
7.5°	4185.9	4222.7	4275.3	4351.5	4430.3	4454.0	4609.0	4777.2	4997.9	5195.0
10°	3910.0	3912.7	3960.0	4036.2	4162.3	4191.2	4380.4	4619.5	4895.4	5163.4
12.5°	3755.0	3773.4	3794.4	3852.2	3973.1	3991.5	4193.8	4475.0	4792.9	5145.1
15°	3755.0	3768.1	3781.3	3810.2	3907.4	3923.2	4101.9	4383.0	4740.4	5152.9
17.5°	3794.4	3815.4	3804.9	3839.1	3941.6	3952.1	4109.7	4356.7	4737.8	5202.9
20°	3889.0	3904.8	3883.8	3904.8	4007.3	4028.3	4191.2	4406.7	4782.4	5289.6
22.5°	4038.8	4046.7	3996.7	4012.5	4117.6	4143.9	4333.1	4548.6	4890.2	5428.8
25°	4228.0	4243.7	4167.5	4185.9	4285.8	4317.3	4535.4	4761.4	5061.0	5620.7
27.5°	4446.1	4454.0	4388.3	4385.6	4514.4	4559.1	4779.8	5024.2	5289.6	5862.4
30°	4695.7	4719.4	4656.3	4645.8	4808.7	4845.5	5063.6	5347.4	5625.9	6225.0
32.5°	4892.8	4911.2	4874.4	4900.7	5066.2	5095.1	5407.8	5804.6	6154.1	6740.1
35°	5176.6	5187.1	5103.0	5150.3	5339.5	5413.1	5878.2	6445.8	6818.9	7386.5
37.5°	6204.0	6204.0	5846.7	5612.8	5794.1	5859.8	6522.0	7252.5	7638.7	8253.6
40°	7625.6	7602.0	7079.0	6600.8	6577.2	6705.9	7439.0	8269.4	8697.7	9294.2
42.5°	9141.8	9105.0	8392.9	7919.9	7841.1	7885.8	8498.0	9522.8	9959.0	10563.4
45°	10487.2	10476.7	9825.0	9189.1	9047.2	9189.1	9819.7	10989.1	11301.8	11937.7
47.5°	11614.5	11614.5	11138.9	10723.7	10650.1	10734.2	11609.2	12615.6	12586.7	13401.3
50°	12912.6	12902.0	12450.1	12271.4	12347.6	12465.8	13669.3	14328.9	13916.3	14838.7
52.5°	13821.7	13884.8	13729.8	13700.9	14089.8	14294.7	15761.0	16005.4	15106.7	16202.4
55°	14541.7	14615.3	14794.0	14996.3	15745.2	16013.3	17787.0	17595.1	16102.6	17384.9
57.5°	15561.3	15456.2	15732.1	16131.5	17342.9	17666.1	19749.9	19095.6	16904.0	18344.0
60°	16798.9	16814.7	16862.0	17366.5	18937.9	19353.1	21683.8	20514.5	17419.1	18932.6
62.5°	18286.2	18309.9	18407.1	19182.3	21079.5	21471.0	23744.0	21676.0	17655.6	18767.1
65°	18183.7	18283.6	19368.8	22020.2	24335.2	24721.5	26148.3	22490.6	17298.2	17253.5
67.5°	16565.1	16728.0	18543.7	25409.9	29243.8	29674.7	29054.6	22650.8	15755.7	13417.1
70°	14441.9	14499.7	16683.3	28458.1	34927.5	35363.7	31656.0	20887.6	11956.1	7483.7
72.5°	11278.1	11291.3	13853.3	29164.9	38012.4	38036.1	29614.3	15506.1	6430.0	2874.7
75°	8056.6	7977.7	9278.4	23652.0	33442.8	33710.9	22201.5	7273.5	2456.9	1358.5
77.5°	4320.0	4406.7	5250.2	14026.7	23102.8	23560.0	12113.7	2096.9	1250.8	925.0
80°	1334.9	1408.5	2152.1	6422.1	13086.0	13361.9	4490.8	932.8	872.4	659.6
82.5°	420.4	436.2	1003.8	2698.7	5431.5	5557.6	1300.7	528.2	596.5	436.2
85°	120.9	123.5	446.7	1006.4	1342.8	1369.0	365.3	205.0	341.6	270.7
87.5°	13.1	42.0	168.2	168.2	118.2	115.6	39.4	44.7	97.2	34.2
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°
5197.6	0°	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6	5197.6
5221.3	2.5°	5208.1	5210.7	5176.6	5118.8	5055.7	5003.2	4937.5	4884.9	4848.1	4837.6
5268.6	5°	5244.9	5226.5	5129.3	4953.2	4743.0	4561.7	4359.4	4199.1	4094.0	4049.3
5318.5	7.5°	5300.1	5247.5	5034.7	4687.8	4285.8	3928.4	3565.8	3284.6	3106.0	3016.6
5365.8	10°	5347.4	5242.3	4877.0	4304.2	3689.3	3148.0	2659.2	2320.3	2131.1	2041.7
5421.0	12.5°	5392.1	5239.6	4672.1	3849.6	3016.6	2354.4	1899.8	1731.7	1679.1	1660.7
5510.3	15°	5476.1	5247.5	4414.5	3329.3	2346.5	1779.0	1613.4	1610.8	1621.3	1616.0
5646.9	17.5°	5591.8	5255.4	4122.9	2777.5	1810.5	1568.7	1560.9	1584.5	1600.3	1592.4
5817.7	20°	5741.5	5286.9	3812.8	2230.9	1555.6	1516.2	1534.6	1555.6	1568.7	1555.6
6046.4	22.5°	5951.8	5342.1	3473.8	1792.1	1474.1	1484.7	1500.4	1524.1	1537.2	1518.8
6338.0	25°	6209.3	5428.8	3140.1	1558.2	1434.7	1447.9	1471.5	1497.8	1513.6	1495.2
6705.9	27.5°	6543.0	5568.1	2832.7	1505.7	1395.3	1403.2	1437.4	1476.8	1497.8	1474.1
7228.8	30°	7026.5	5796.7	2567.3	1529.3	1371.7	1353.3	1400.6	1455.8	1479.4	1458.4
7940.9	32.5°	7667.7	6119.9	2404.4	1566.1	1361.2	1295.5	1340.1	1411.1	1450.5	1437.4
8871.1	35°	8508.5	6611.3	2341.3	1608.2	1353.3	1235.0	1266.6	1342.8	1411.1	1424.2
10043.1	37.5°	9528.1	7294.5	2359.7	1626.6	1329.6	1185.1	1200.9	1266.6	1355.9	1397.9
11362.2	40°	10686.9	8090.7	2464.8	1608.2	1303.3	1143.1	1145.7	1195.6	1274.4	1337.5
12781.2	42.5°	11882.5	9020.9	2659.2	1539.8	1279.7	1106.3	1098.4	1132.5	1185.1	1229.8
14197.5	45°	13020.3	9977.4	2851.1	1445.2	1250.8	1069.5	1051.1	1064.2	1074.7	1093.1
15577.1	47.5°	14013.6	10650.1	2795.9	1358.5	1211.4	1027.4	995.9	990.6	959.1	956.5
16809.4	50°	14699.4	10797.3	2483.2	1271.8	1153.6	980.1	930.2	898.7	843.5	817.2
17731.8	52.5°	14917.5	10216.5	2028.6	1185.1	1059.0	917.1	846.1	796.2	727.9	704.2
18262.6	55°	14628.4	9078.7	1621.3	1080.0	927.6	833.0	754.2	688.5	633.3	604.4
18320.4	57.5°	13921.6	7630.9	1282.3	956.5	788.3	738.4	659.6	593.9	546.6	517.7
17679.2	60°	12749.6	6059.5	1014.3	809.3	672.7	635.9	554.4	512.4	470.4	436.2
16023.8	62.5°	10970.7	4325.2	796.2	641.2	562.3	520.3	473.0	441.5	391.5	344.2
13046.6	65°	8561.1	2646.1	614.9	470.4	452.0	430.9	402.0	373.1	312.7	265.4
8511.1	67.5°	5399.9	1253.4	438.8	354.7	357.4	346.9	333.7	310.1	265.4	223.4
3812.8	70°	2378.1	607.0	289.0	270.7	265.4	265.4	275.9	268.0	226.0	186.6
1324.4	72.5°	809.3	325.8	215.5	205.0	191.8	189.2	231.2	223.4	181.3	144.5
659.6	75°	423.1	218.1	157.7	147.2	115.6	139.3	183.9	173.4	128.8	94.6
436.2	77.5°	275.9	155.0	107.7	94.6	65.7	92.0	136.6	120.9	76.2	47.3
286.4	80°	173.4	102.5	63.1	44.7	31.5	49.9	73.6	52.6	28.9	10.5
168.2	82.5°	92.0	52.6	23.6	15.8	13.1	15.8	18.4	13.1	5.3	0.0
86.7	85°	36.8	18.4	7.9	5.3	2.6	0.0	5.3	2.6	0.0	0.0
15.8	87.5°	13.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
5197.6
4856.0
4065.1
3029.7
2044.4
1655.5
1613.4
1589.8
1553.0
1516.2
1492.5
1474.1
1455.8
1437.4
1424.2
1408.5
1358.5
1248.2
1103.6
953.9
819.8
701.6
604.4
512.4
428.3
336.3
257.5
218.1
178.7
136.6
86.7
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