

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: P852802

Luminaire Tested: **GLAN-SB6C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852802
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-SB6C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 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: 33742 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

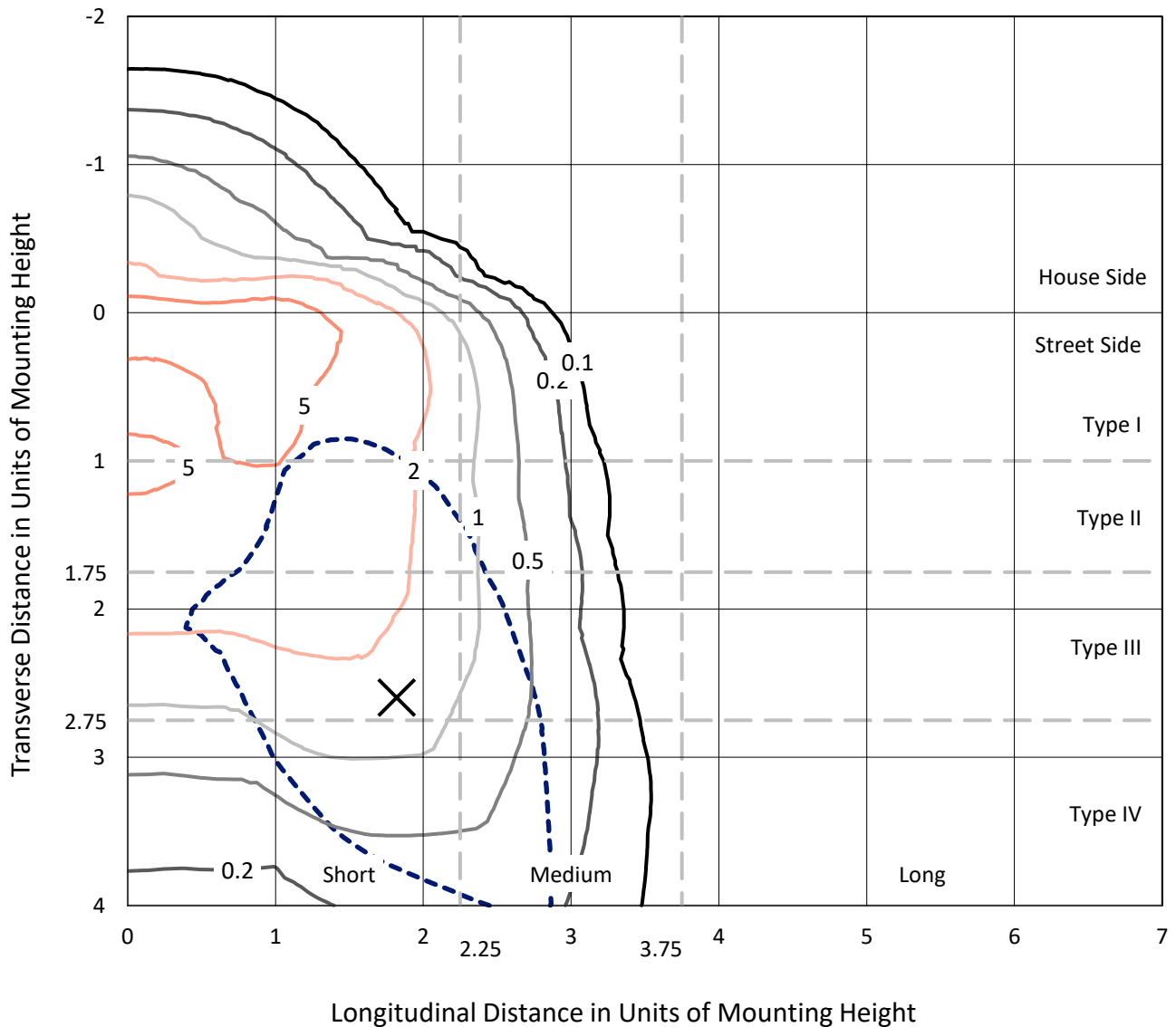
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

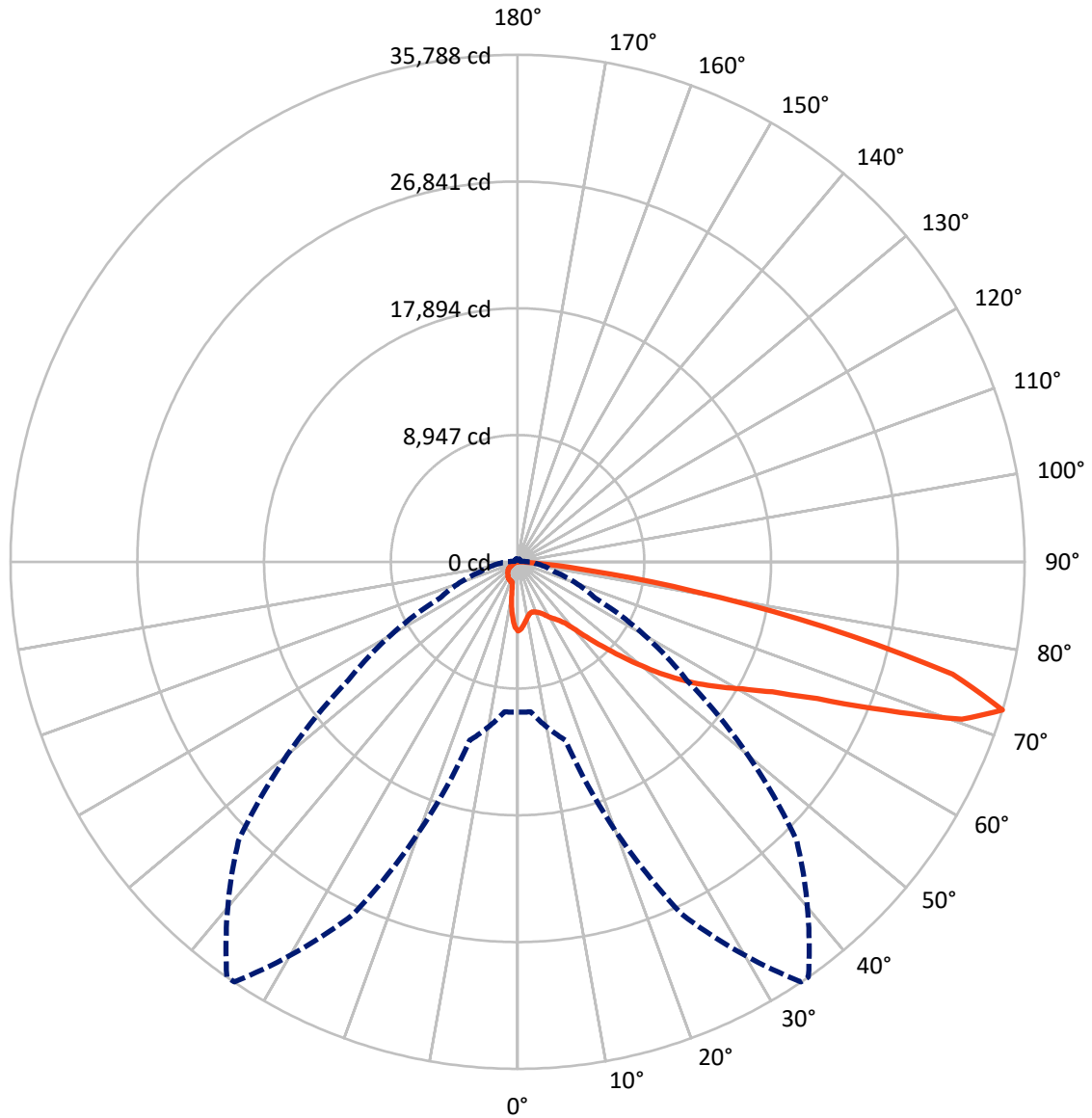
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	3797.5	0.0	3797.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	29944.5	0.0	29944.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	33742.0	0.0	33742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.9	1.2
10°-20°	940.1	2.8
20°-30°	1527.2	4.5
30°-40°	2548.0	7.6
40°-50°	4821.0	14.3
50°-60°	7660.5	22.7
60°-70°	9476.6	28.1
70°-80°	5890.7	17.5
80°-90°	476.1	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°	33742.0	100.0
0°-180°	33742.0	100.0

Coefficient of Utilization



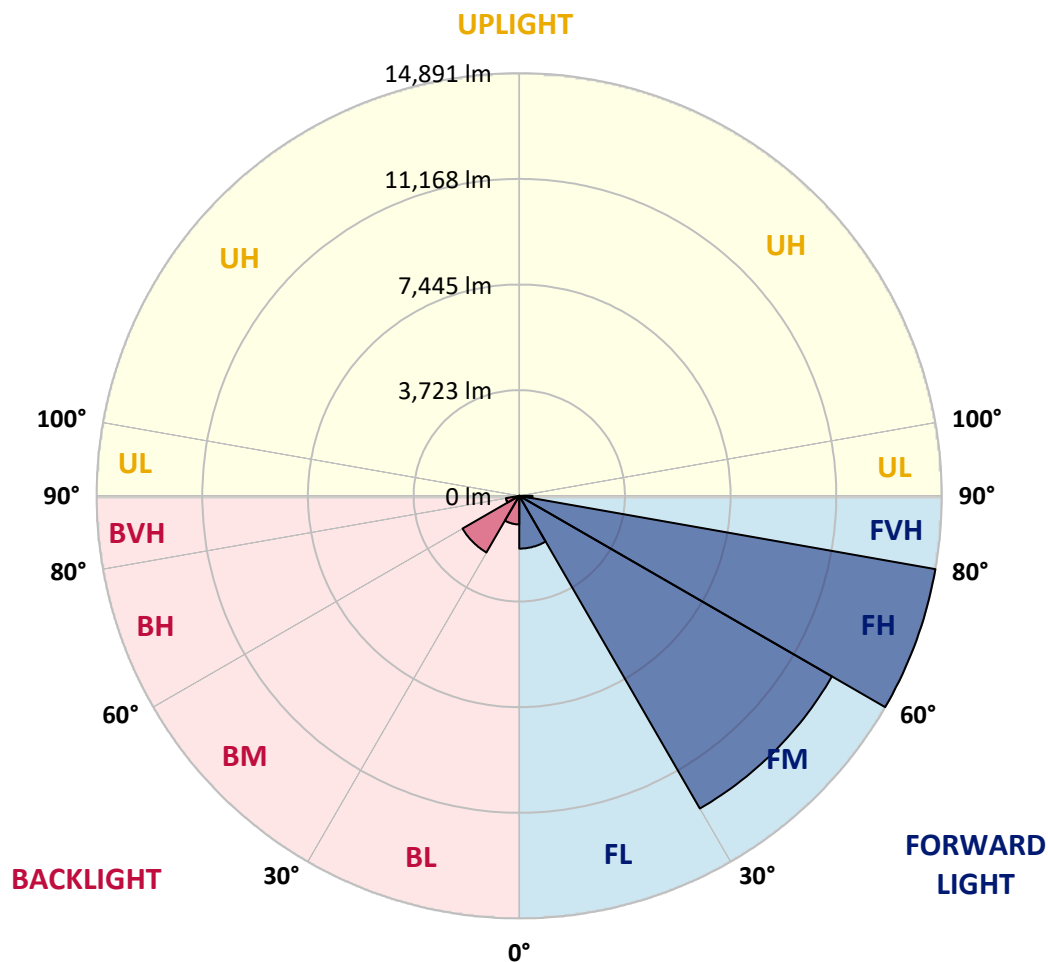
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1860.0	5.5			
FM (30°-60°)	12724.1	37.7			
FH (60°-80°)	14890.8	44.1			G5
FVH (80°-90°)	469.6	1.4			G3/500
BL (0°-30°)	1009.1	3.0	B3/2500		
BM (30°-60°)	2305.4	6.8	B2/2500		
BH (60°-80°)	476.5	1.4	B1/500		G1/500
BVH (80°-90°)	6.5	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°	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3
2.5°	4672.8	4712.3	4719.8	4732.1	4732.1	4746.9	4771.7	4806.3	4863.2	4892.8
5°	4306.9	4336.5	4373.6	4403.3	4460.2	4467.6	4564.0	4657.9	4789.0	4887.9
7.5°	3938.5	3973.1	4022.5	4094.2	4168.4	4190.7	4336.5	4494.8	4702.4	4887.9
10°	3678.9	3681.4	3725.9	3797.6	3916.2	3943.4	4121.4	4346.4	4606.0	4858.2
12.5°	3533.0	3550.3	3570.1	3624.5	3738.2	3755.5	3945.9	4210.4	4509.6	4840.9
15°	3533.0	3545.4	3557.7	3584.9	3676.4	3691.2	3859.4	4123.9	4460.2	4848.3
17.5°	3570.1	3589.9	3580.0	3612.1	3708.6	3718.4	3866.8	4099.2	4457.7	4895.3
20°	3659.1	3673.9	3654.2	3673.9	3770.4	3790.1	3943.4	4146.2	4499.7	4976.9
22.5°	3800.0	3807.4	3760.5	3775.3	3874.2	3898.9	4076.9	4279.7	4601.1	5107.9
25°	3978.0	3992.9	3921.2	3938.5	4032.4	4062.1	4267.3	4479.9	4761.8	5288.4
27.5°	4183.2	4190.7	4128.9	4126.4	4247.5	4289.6	4497.2	4727.2	4976.9	5515.9
30°	4418.1	4440.4	4381.0	4371.1	4524.4	4559.0	4764.3	5031.3	5293.3	5857.0
32.5°	4603.6	4620.9	4586.2	4611.0	4766.7	4793.9	5088.1	5461.5	5790.3	6341.6
35°	4870.6	4880.5	4801.3	4845.8	5023.9	5093.1	5530.7	6064.7	6415.8	6949.8
37.5°	5837.3	5837.3	5501.0	5281.0	5451.6	5513.4	6136.4	6823.7	7187.2	7765.7
40°	7174.8	7152.6	6660.6	6210.6	6188.3	6309.5	6999.3	7780.5	8183.5	8744.8
42.5°	8601.4	8566.8	7896.7	7451.7	7377.6	7419.6	7995.6	8959.9	9370.3	9938.9
45°	9867.2	9857.3	9244.2	8645.9	8512.4	8645.9	9239.2	10339.4	10633.7	11232.0
47.5°	10927.9	10927.9	10480.4	10089.7	10020.5	10099.6	10922.9	11869.8	11842.7	12609.1
50°	12149.2	12139.3	11714.1	11546.0	11617.7	11728.9	12861.3	13481.8	13093.7	13961.5
52.5°	13004.7	13064.0	12918.1	12890.9	13256.8	13449.7	14829.3	15059.2	14213.7	15244.6
55°	13682.1	13751.3	13919.4	14109.8	14814.4	15066.6	16735.5	16555.0	15150.7	16357.2
57.5°	14641.4	14542.5	14802.1	15177.9	16317.6	16621.7	18582.3	17966.7	15904.8	17259.6
60°	15805.9	15820.7	15865.2	16339.9	17818.4	18209.0	20402.0	19301.8	16389.3	17813.4
62.5°	17205.2	17227.5	17318.9	18048.3	19833.3	20201.7	22340.3	20394.6	16611.9	17657.7
65°	17108.8	17202.7	18223.8	20718.5	22896.6	23260.1	24602.6	21161.0	16275.6	16233.6
67.5°	15585.8	15739.1	17447.5	23907.8	27515.0	27920.5	27337.0	21311.8	14824.3	12623.9
70°	13588.1	13642.5	15697.1	26775.8	32862.7	33273.2	29784.6	19652.9	11249.3	7041.3
72.5°	10611.4	10623.8	13034.3	27440.8	35765.3	35787.6	27863.6	14589.5	6049.9	2704.8
75°	7580.3	7506.1	8729.9	22253.8	31465.8	31718.0	20889.1	6843.5	2311.7	1278.2
77.5°	4064.6	4146.2	4939.8	13197.5	21737.1	22167.3	11397.6	1973.0	1176.8	870.3
80°	1256.0	1325.2	2024.9	6042.5	12312.4	12572.0	4225.3	877.7	820.8	620.6
82.5°	395.6	410.4	944.4	2539.1	5110.4	5229.1	1223.8	496.9	561.2	410.4
85°	113.7	116.2	420.3	946.9	1263.4	1288.1	343.7	192.8	321.4	254.7
87.5°	12.4	39.6	158.2	158.2	111.3	108.8	37.1	42.0	91.5	32.1
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°
4890.3	0°	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3	4890.3
4912.6	2.5°	4900.2	4902.7	4870.6	4816.2	4756.8	4707.4	4645.6	4596.1	4561.5	4551.6
4957.1	5°	4934.8	4917.5	4826.1	4660.4	4462.6	4292.0	4101.7	3950.8	3852.0	3809.9
5004.1	7.5°	4986.8	4937.3	4737.1	4410.7	4032.4	3696.2	3355.0	3090.5	2922.3	2838.3
5048.6	10°	5031.3	4932.4	4588.7	4049.7	3471.2	2961.9	2502.0	2183.1	2005.1	1921.0
5100.5	12.5°	5073.3	4929.9	4395.9	3622.0	2838.3	2215.2	1787.5	1629.3	1579.8	1562.5
5184.6	15°	5152.4	4937.3	4153.6	3132.5	2207.8	1673.8	1518.0	1515.6	1525.5	1520.5
5313.1	17.5°	5261.2	4944.7	3879.1	2613.3	1703.5	1476.0	1468.6	1490.8	1505.7	1498.3
5473.8	20°	5402.1	4974.4	3587.4	2099.0	1463.6	1426.6	1443.9	1463.6	1476.0	1463.6
5688.9	22.5°	5599.9	5026.3	3268.5	1686.2	1387.0	1396.9	1411.7	1434.0	1446.3	1429.0
5963.4	25°	5842.2	5107.9	2954.5	1466.1	1349.9	1362.3	1384.5	1409.3	1424.1	1406.8
6309.5	27.5°	6156.2	5239.0	2665.2	1416.7	1312.8	1320.2	1352.4	1389.5	1409.3	1387.0
6801.5	30°	6611.1	5454.0	2415.5	1438.9	1290.6	1273.3	1317.8	1369.7	1391.9	1372.2
7471.5	32.5°	7214.4	5758.1	2262.2	1473.5	1280.7	1218.9	1260.9	1327.7	1364.7	1352.4
8346.7	35°	8005.5	6220.5	2202.9	1513.1	1273.3	1162.0	1191.7	1263.4	1327.7	1340.0
9449.4	37.5°	8964.8	6863.3	2220.2	1530.4	1251.0	1115.0	1129.9	1191.7	1275.7	1315.3
10690.5	40°	10055.1	7612.4	2319.1	1513.1	1226.3	1075.5	1078.0	1124.9	1199.1	1258.4
12025.6	42.5°	11180.1	8487.6	2502.0	1448.8	1204.0	1040.9	1033.5	1065.6	1115.0	1157.1
13358.2	45°	12250.6	9387.6	2682.5	1359.8	1176.8	1006.3	988.9	1001.3	1011.2	1028.5
14656.2	47.5°	13185.1	10020.5	2630.6	1278.2	1139.8	966.7	937.0	932.1	902.4	899.9
15815.7	50°	13830.4	10159.0	2336.4	1196.6	1085.4	922.2	875.2	845.6	793.6	768.9
16683.6	52.5°	14035.6	9612.6	1908.7	1115.0	996.4	862.9	796.1	749.1	684.8	662.6
17183.0	55°	13763.7	8542.0	1525.5	1016.1	872.7	783.7	709.6	647.8	595.8	568.6
17237.4	57.5°	13098.6	7179.8	1206.5	899.9	741.7	694.7	620.6	558.8	514.3	487.1
16634.1	60°	11995.9	5701.3	954.3	761.5	632.9	598.3	521.7	482.1	442.6	410.4
15076.5	62.5°	10322.1	4069.5	749.1	603.3	529.1	489.5	445.0	415.4	368.4	323.9
12275.3	65°	8055.0	2489.7	578.5	442.6	425.2	405.5	378.3	351.1	294.2	249.7
8008.0	67.5°	5080.7	1179.3	412.9	333.8	336.2	326.4	314.0	291.7	249.7	210.2
3587.4	70°	2237.5	571.1	272.0	254.7	249.7	249.7	259.6	252.2	212.6	175.5
1246.1	72.5°	761.5	306.6	202.7	192.8	180.5	178.0	217.6	210.2	170.6	136.0
620.6	75°	398.1	205.2	148.3	138.5	108.8	131.0	173.1	163.2	121.1	89.0
410.4	77.5°	259.6	145.9	101.4	89.0	61.8	86.5	128.6	113.7	71.7	44.5
269.5	80°	163.2	96.4	59.3	42.0	29.7	47.0	69.2	49.4	27.2	9.9
158.2	82.5°	86.5	49.4	22.3	14.8	12.4	14.8	17.3	12.4	4.9	0.0
81.6	85°	34.6	17.3	7.4	4.9	2.5	0.0	4.9	2.5	0.0	0.0
14.8	87.5°	12.4	2.5	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°
4890.3
4568.9
3824.8
2850.6
1923.5
1557.6
1518.0
1495.8
1461.2
1426.6
1404.3
1387.0
1369.7
1352.4
1340.0
1325.2
1278.2
1174.4
1038.4
897.5
771.4
660.1
568.6
482.1
403.0
316.5
242.3
205.2
168.1
128.6
81.6
39.6
7.4
0.0
0.0
0.0
0.0

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