

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: P853040

Luminaire Tested: **GLAN-SB8B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853040
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-SB8B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA 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: 33831 lumens
Efficiency: N/A
Efficacy: 115.5 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

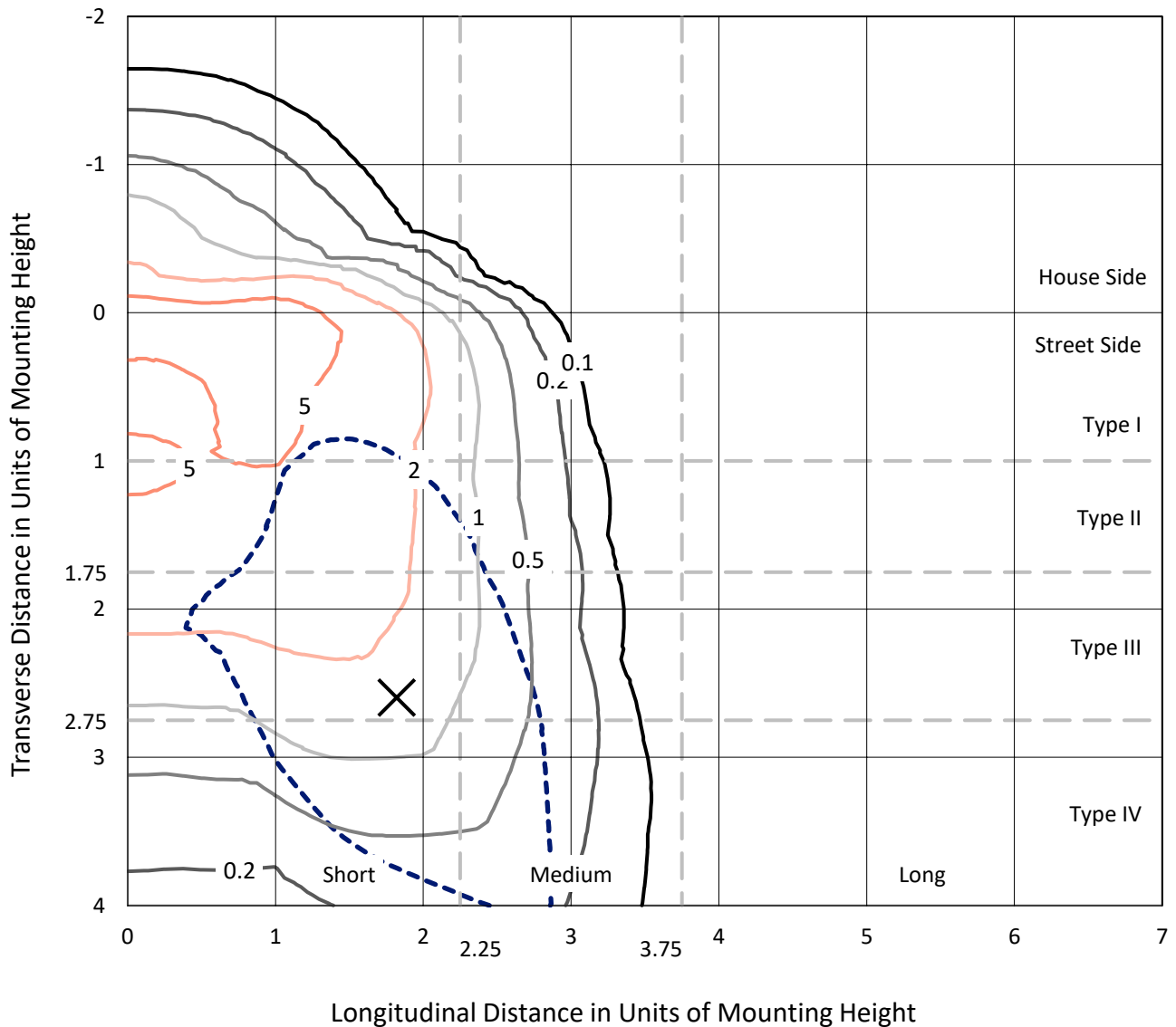
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

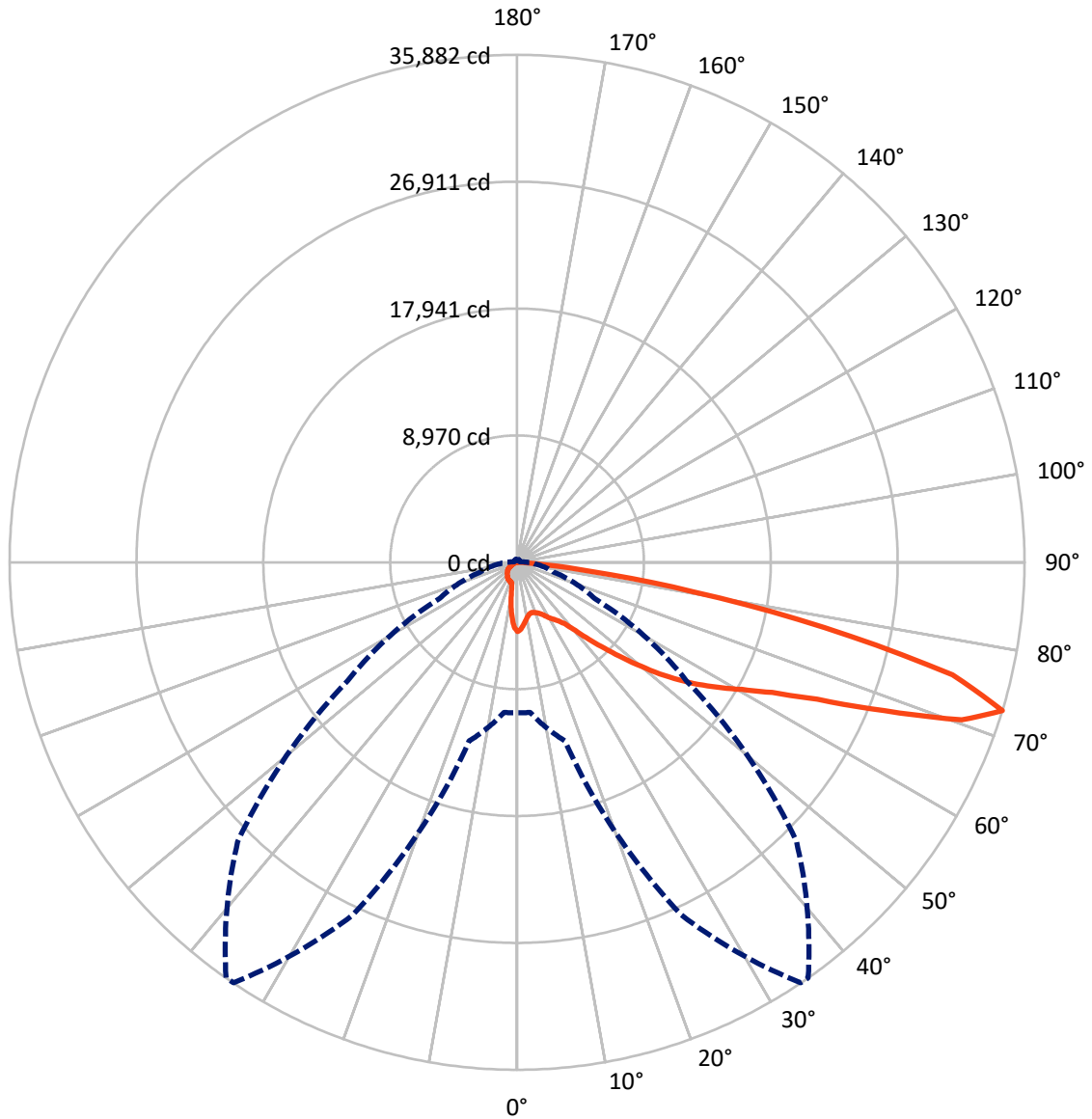
× Max cd
 - - - 1/2 Max cd



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	3807.5	0.0	3807.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	30023.5	0.0	30023.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	33831.0	0.0	33831.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.9	1.2
10°-20°	942.6	2.8
20°-30°	1531.2	4.5
30°-40°	2554.8	7.6
40°-50°	4833.7	14.3
50°-60°	7680.7	22.7
60°-70°	9501.6	28.1
70°-80°	5906.2	17.5
80°-90°	477.3	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°	33831.0	100.0
0°-180°	33831.0	100.0

Coefficient of Utilization



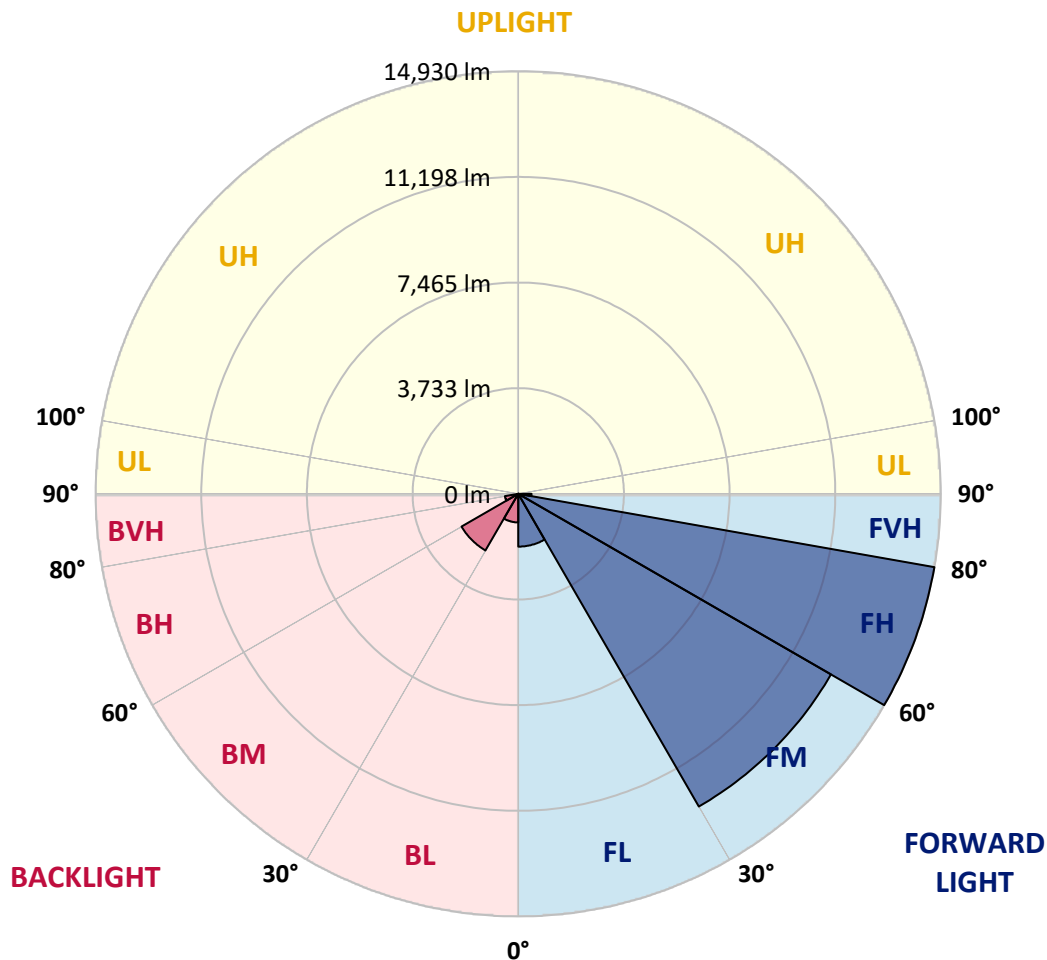
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1864.9	5.5			
FM (30°-60°)	12757.7	37.7			
FH (60°-80°)	14930.0	44.1			G5
FVH (80°-90°)	470.8	1.4			G3/500
BL (0°-30°)	1011.7	3.0	B3/2500		
BM (30°-60°)	2311.5	6.8	B2/2500		
BH (60°-80°)	477.8	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°	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2
2.5°	4685.1	4724.8	4732.2	4744.6	4744.6	4759.5	4784.3	4819.0	4876.0	4905.7
5°	4318.2	4348.0	4385.2	4414.9	4471.9	4479.4	4576.0	4670.2	4801.6	4900.8
7.5°	3948.9	3983.6	4033.2	4105.0	4179.4	4201.7	4348.0	4506.6	4714.9	4900.8
10°	3688.6	3691.1	3735.7	3807.6	3926.6	3953.8	4132.3	4357.9	4618.2	4871.0
12.5°	3542.3	3559.7	3579.5	3634.1	3748.1	3765.4	3956.3	4221.6	4521.5	4853.7
15°	3542.3	3554.7	3567.1	3594.4	3686.1	3701.0	3869.5	4134.8	4471.9	4861.1
17.5°	3579.5	3599.3	3589.4	3621.7	3718.3	3728.3	3877.0	4110.0	4469.4	4908.2
20°	3668.8	3683.6	3663.8	3683.6	3780.3	3800.1	3953.8	4157.1	4511.6	4990.0
22.5°	3810.1	3817.5	3770.4	3785.3	3884.4	3909.2	4087.7	4291.0	4613.2	5121.4
25°	3988.5	4003.4	3931.5	3948.9	4043.1	4072.8	4278.6	4491.8	4774.3	5302.3
27.5°	4194.3	4201.7	4139.7	4137.3	4258.7	4300.9	4509.1	4739.6	4990.0	5530.4
30°	4429.8	4452.1	4392.6	4382.7	4536.4	4571.1	4776.8	5044.5	5307.3	5872.5
32.5°	4615.7	4633.0	4598.3	4623.1	4779.3	4806.6	5101.6	5475.9	5805.6	6358.4
35°	4883.4	4893.3	4814.0	4858.6	5037.1	5106.5	5545.3	6080.7	6432.7	6968.2
37.5°	5852.7	5852.7	5515.5	5294.9	5466.0	5527.9	6152.6	6841.7	7206.1	7786.2
40°	7193.7	7171.4	6678.1	6227.0	6204.7	6326.1	7017.7	7801.1	8205.1	8767.8
42.5°	8624.1	8589.4	7917.6	7471.4	7397.0	7439.2	8016.7	8983.5	9395.0	9965.1
45°	9893.3	9883.3	9268.6	8668.7	8534.8	8668.7	9263.6	10366.7	10661.7	11261.6
47.5°	10956.7	10956.7	10508.0	10116.4	10046.9	10126.3	10951.7	11901.2	11873.9	12642.3
50°	12181.3	12171.4	11745.0	11576.4	11648.3	11759.9	12895.2	13517.4	13128.2	13998.3
52.5°	13039.0	13098.5	12952.2	12924.9	13291.8	13485.2	14868.4	15098.9	14251.1	15284.8
55°	13718.2	13787.6	13956.2	14147.0	14853.5	15106.4	16779.6	16598.7	15190.6	16400.3
57.5°	14680.0	14580.8	14841.1	15217.9	16360.7	16665.6	18631.3	18014.1	15946.7	17305.1
60°	15847.5	15862.4	15907.0	16383.0	17865.4	18257.0	20455.8	19352.7	16432.6	17860.4
62.5°	17250.6	17272.9	17364.6	18095.9	19885.7	20255.0	22399.3	20448.4	16655.7	17704.2
65°	17153.9	17248.1	18271.9	20773.1	22957.0	23321.4	24667.4	21216.8	16318.5	16276.4
67.5°	15626.9	15780.6	17493.5	23970.9	27587.6	27994.1	27409.1	21368.0	14863.4	12657.2
70°	13624.0	13678.5	15738.5	26846.4	32949.4	33360.9	29863.2	19704.7	11279.0	7059.9
72.5°	10639.4	10651.8	13068.7	27513.2	35859.6	35881.9	27937.1	14627.9	6065.8	2711.9
75°	7600.3	7525.9	8753.0	22312.5	31548.8	31801.7	20944.1	6861.6	2317.8	1281.6
77.5°	4075.3	4157.1	4952.8	13232.3	21794.4	22225.7	11427.7	1978.2	1180.0	872.6
80°	1259.3	1328.7	2030.2	6058.4	12344.9	12605.2	4236.4	880.0	823.0	622.2
82.5°	396.6	411.5	946.9	2545.8	5123.9	5242.9	1227.1	498.3	562.7	411.5
85°	114.0	116.5	421.4	949.4	1266.7	1291.5	344.6	193.4	322.3	255.3
87.5°	12.4	39.7	158.6	158.6	111.6	109.1	37.2	42.1	91.7	32.2
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°
4903.2	0°	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2
4925.6	2.5°	4913.2	4915.6	4883.4	4828.9	4769.4	4719.8	4657.8	4608.3	4573.6	4563.6
4970.2	5°	4947.9	4930.5	4838.8	4672.7	4474.4	4303.4	4112.5	3961.3	3862.1	3820.0
5017.3	7.5°	4999.9	4950.3	4749.6	4422.3	4043.1	3705.9	3363.9	3098.6	2930.0	2845.8
5061.9	10°	5044.5	4945.4	4600.8	4060.4	3480.4	2969.7	2508.6	2188.9	2010.4	1926.1
5114.0	12.5°	5086.7	4942.9	4407.5	3631.6	2845.8	2221.1	1792.2	1633.6	1584.0	1566.7
5198.2	15°	5166.0	4950.3	4164.5	3140.8	2213.6	1678.2	1522.0	1519.6	1529.5	1524.5
5327.1	17.5°	5275.1	4957.8	3889.4	2620.2	1708.0	1479.9	1472.5	1494.8	1509.6	1502.2
5488.3	20°	5416.4	4987.5	3596.9	2104.6	1467.5	1430.3	1447.7	1467.5	1479.9	1467.5
5703.9	22.5°	5614.7	5039.6	3277.1	1690.6	1390.7	1400.6	1415.4	1437.8	1450.2	1432.8
5979.1	25°	5857.6	5121.4	2962.3	1470.0	1353.5	1365.9	1388.2	1413.0	1427.8	1410.5
6326.1	27.5°	6172.4	5252.8	2672.2	1420.4	1316.3	1323.7	1356.0	1393.1	1413.0	1390.7
6819.4	30°	6628.6	5468.4	2421.9	1442.7	1294.0	1276.6	1321.2	1373.3	1395.6	1375.8
7491.2	32.5°	7233.4	5773.3	2268.2	1477.4	1284.1	1222.1	1264.2	1331.2	1368.3	1356.0
8368.7	35°	8026.6	6236.9	2208.7	1517.1	1276.6	1165.1	1194.8	1266.7	1331.2	1343.6
9474.3	37.5°	8988.5	6881.4	2226.0	1534.4	1254.3	1118.0	1132.9	1194.8	1279.1	1318.8
10718.7	40°	10081.6	7632.5	2325.2	1517.1	1229.5	1078.3	1080.8	1127.9	1202.3	1261.8
12057.3	42.5°	11209.5	8510.0	2508.6	1452.6	1207.2	1043.6	1036.2	1068.4	1118.0	1160.1
13393.4	45°	12282.9	9412.3	2689.6	1363.4	1180.0	1008.9	991.6	1004.0	1013.9	1031.2
14694.9	47.5°	13219.9	10046.9	2637.5	1281.6	1142.8	969.2	939.5	934.5	904.8	902.3
15857.5	50°	13866.9	10185.8	2342.6	1199.8	1088.2	924.6	877.5	847.8	795.7	770.9
16727.6	52.5°	14072.7	9637.9	1913.7	1118.0	999.0	865.1	798.2	751.1	686.7	664.3
17228.3	55°	13800.0	8564.6	1529.5	1018.8	875.0	785.8	711.4	649.5	597.4	570.1
17282.8	57.5°	13133.2	7198.7	1209.7	902.3	743.7	696.6	622.2	560.2	515.6	488.3
16678.0	60°	12027.6	5716.3	956.9	763.5	634.6	599.9	523.0	483.4	443.7	411.5
15116.3	62.5°	10349.4	4080.3	751.1	604.8	530.5	490.8	446.2	416.5	369.4	324.7
12307.7	65°	8076.2	2496.2	580.1	443.7	426.4	406.5	379.3	352.0	295.0	250.4
8029.1	67.5°	5094.1	1182.4	414.0	334.7	337.1	327.2	314.8	292.5	250.4	210.7
3596.9	70°	2243.4	572.6	272.7	255.3	250.4	250.4	260.3	252.8	213.2	176.0
1249.4	72.5°	763.5	307.4	203.3	193.4	181.0	178.5	218.1	210.7	171.0	136.3
622.2	75°	399.1	205.7	148.7	138.8	109.1	131.4	173.5	163.6	121.5	89.2
411.5	77.5°	260.3	146.3	101.6	89.2	62.0	86.8	128.9	114.0	71.9	44.6
270.2	80°	163.6	96.7	59.5	42.1	29.7	47.1	69.4	49.6	27.3	9.9
158.6	82.5°	86.8	49.6	22.3	14.9	12.4	14.9	17.4	12.4	5.0	0.0
81.8	85°	34.7	17.4	7.4	5.0	2.5	0.0	5.0	2.5	0.0	0.0
14.9	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°
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4903.2
4581.0
3834.8
2858.2
1928.6
1561.7
1522.0
1499.7
1465.0
1430.3
1408.0
1390.7
1373.3
1356.0
1343.6
1328.7
1281.6
1177.5
1041.1
899.8
773.4
661.9
570.1
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404.1
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242.9
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