

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: P849865

Luminaire Tested: **GLAN-SB7A-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19288 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

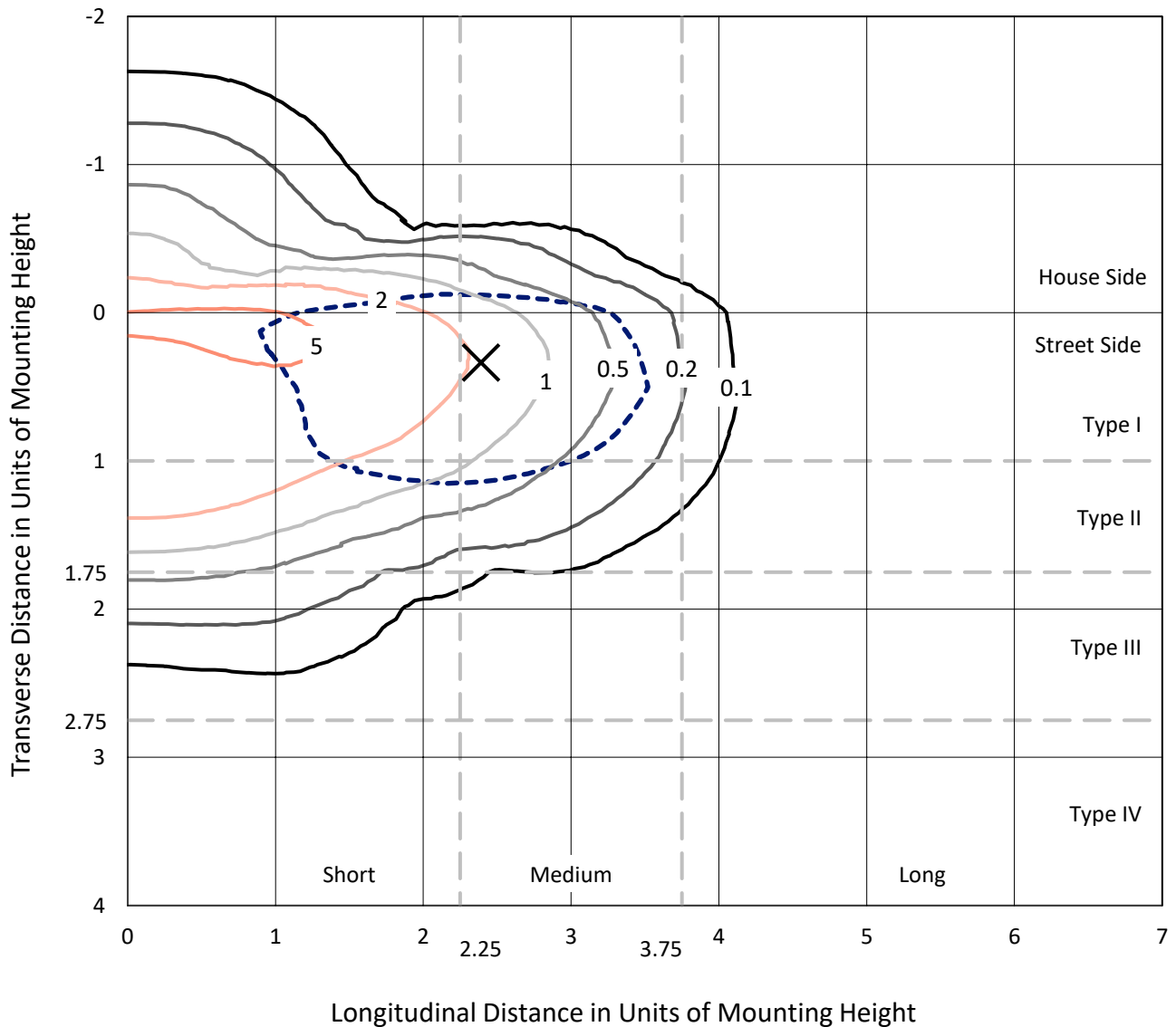
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

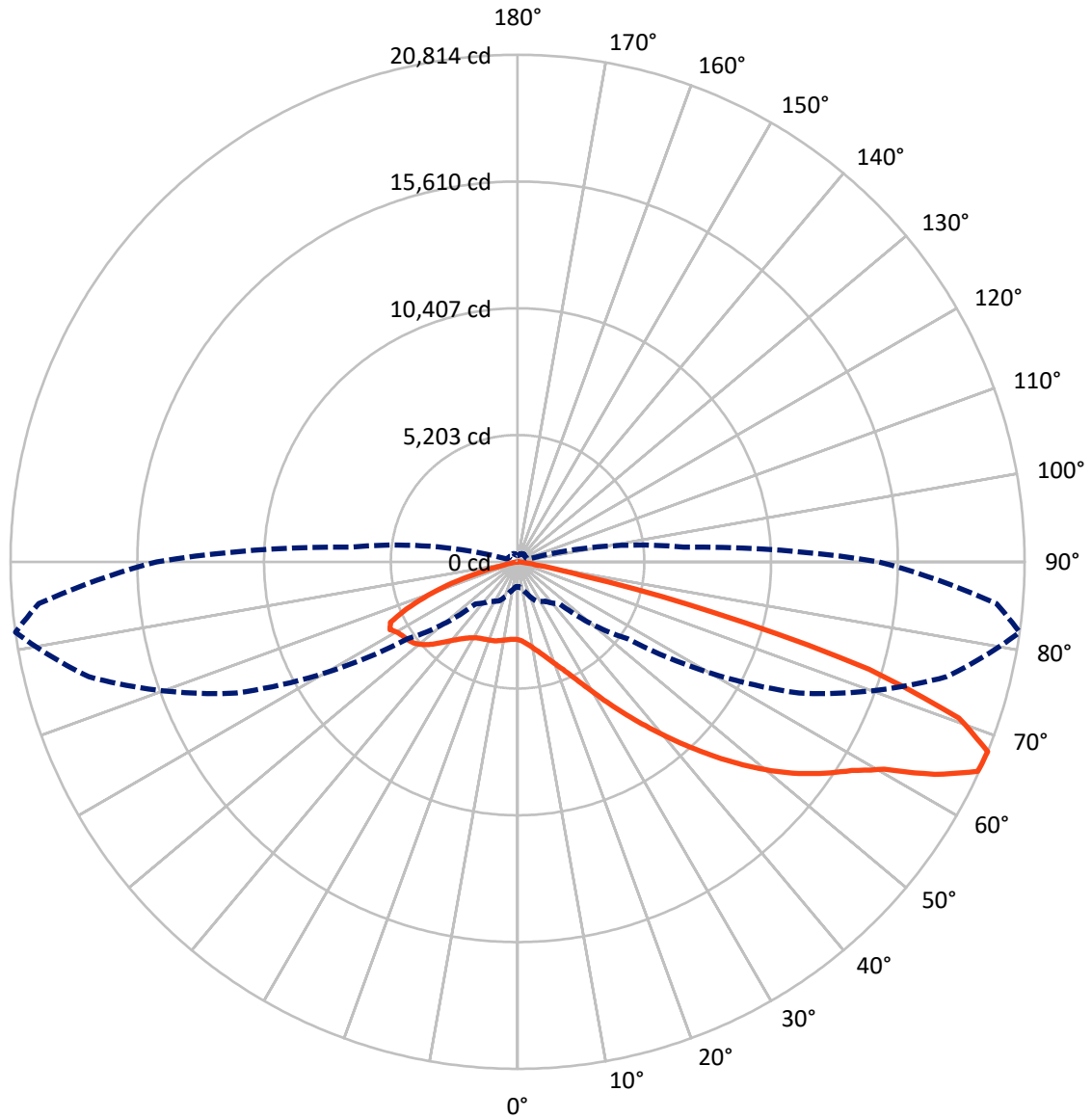
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3493.9	0.0	3493.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	15794.1	0.0	15794.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	19288.0	0.0	19288.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.7	1.5
10°-20°	739.8	3.8
20°-30°	1184.9	6.1
30°-40°	2095.2	10.9
40°-50°	3671.1	19.0
50°-60°	4896.2	25.4
60°-70°	4558.1	23.6
70°-80°	1749.4	9.1
80°-90°	108.7	0.6
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°	19288.0	100.0
0°-180°	19288.0	100.0

Coefficient of Utilization

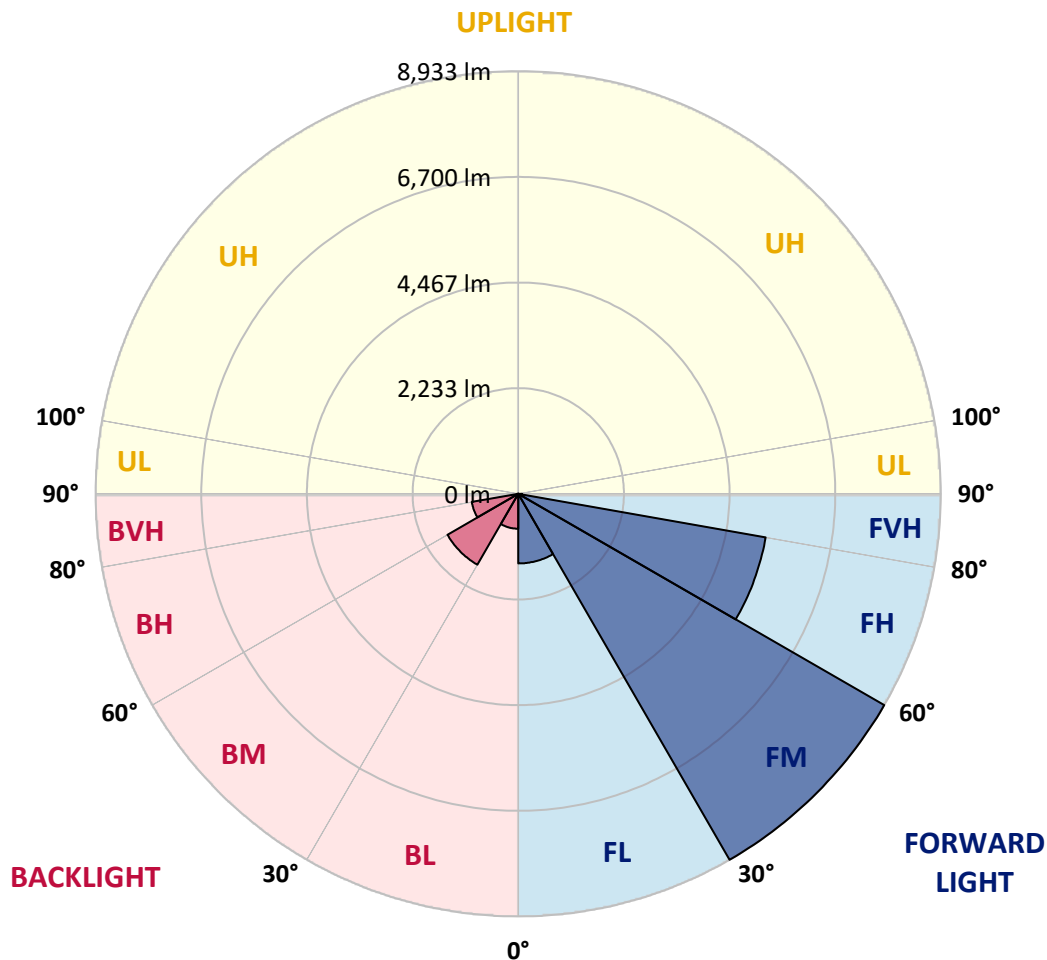


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1471.5	7.6			
FM (30°-60°)	8933.4	46.3			
FH (60°-80°)	5310.3	27.5			G3/7500
FVH (80°-90°)	79.0	0.4			G1/100
BL (0°-30°)	737.9	3.8	B2/1000		
BM (30°-60°)	1729.1	9.0	B2/2500		
BH (60°-80°)	997.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	29.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4
2.5°	3377.3	3396.7	3385.6	3380.1	3370.3	3356.5	3345.3	3310.6	3274.5	3250.9
5°	3445.3	3464.8	3463.4	3468.9	3475.9	3480.0	3477.3	3438.4	3387.0	3346.7
7.5°	3387.0	3409.2	3427.3	3455.1	3503.7	3555.0	3580.0	3571.7	3518.9	3463.4
10°	3221.8	3245.4	3288.4	3353.7	3456.4	3567.5	3660.6	3703.6	3670.3	3609.2
12.5°	2919.0	2942.6	3027.3	3169.0	3341.2	3534.2	3712.0	3827.2	3835.6	3774.5
15°	2578.8	2602.4	2692.7	2870.4	3132.9	3442.6	3739.7	3957.8	4031.4	3978.6
17.5°	2367.7	2388.5	2456.6	2599.6	2873.2	3259.2	3730.0	4096.6	4264.7	4223.0
20°	2303.8	2321.9	2353.8	2453.8	2681.6	3069.0	3666.1	4227.2	4516.0	4492.4
22.5°	2371.9	2388.5	2398.3	2442.7	2585.7	2944.0	3585.6	4360.5	4807.6	4810.4
25°	2528.8	2545.5	2534.4	2562.1	2624.6	2905.1	3555.0	4517.4	5174.2	5204.8
27.5°	2787.1	2788.5	2762.1	2760.7	2770.4	2963.5	3587.0	4685.4	5636.7	5693.6
30°	3305.1	3284.2	3182.9	3073.2	3023.2	3138.4	3675.9	4884.0	6182.4	6283.8
32.5°	4103.6	4073.0	3886.9	3624.5	3360.6	3420.3	3835.6	5110.4	6776.8	6960.1
35°	4970.1	4961.8	4767.4	4377.1	3916.1	3821.7	4095.2	5407.5	7425.3	7716.9
37.5°	5775.5	5771.4	5660.3	5200.6	4639.6	4381.3	4511.8	5796.4	8119.7	8541.8
40°	6511.6	6524.1	6413.0	6001.9	5436.7	5099.3	5078.4	6276.9	8891.8	9440.3
42.5°	7147.6	7161.5	7049.0	6744.9	6224.1	5893.6	5774.2	6865.7	9645.8	10405.4
45°	7579.5	7665.6	7648.9	7405.9	7032.3	6689.3	6610.2	7604.5	10505.4	11428.9
47.5°	7701.7	7780.8	7905.8	7939.1	7711.4	7373.9	7468.4	8494.6	11374.7	12453.7
50°	7400.3	7473.9	7733.6	8079.4	8237.7	8133.5	8303.0	9448.6	12264.9	13475.8
52.5°	6806.0	6880.9	7208.7	7755.8	8401.6	8729.3	9140.3	10388.8	13127.3	14443.7
55°	5946.4	6025.5	6446.3	7065.6	8089.1	8975.1	9838.8	11327.5	13917.4	15314.4
57.5°	4777.1	4835.4	5272.8	6139.4	7303.1	8730.7	10354.1	12352.4	14661.8	16169.9
60°	3113.4	3164.8	3673.1	4639.6	6000.5	7914.1	10456.8	13495.3	15650.5	17282.2
62.5°	2070.5	2105.2	2406.6	3116.2	4225.8	6346.3	9855.5	14407.6	17100.3	19218.0
65°	1420.6	1455.3	1756.7	2251.1	2730.2	4198.0	8126.6	14286.8	18414.0	20755.3
67.5°	1013.7	1042.9	1298.4	1765.0	1976.1	2438.5	5508.9	12742.6	18225.1	20813.6
70°	726.3	742.9	954.0	1374.8	1570.6	1465.1	3063.4	9745.8	15957.4	19219.4
72.5°	508.3	513.8	662.4	1047.1	1265.1	1069.3	1458.1	6497.7	12069.1	15085.3
75°	344.4	351.3	445.8	767.9	1015.1	816.5	772.1	3484.2	7085.1	8350.2
77.5°	211.1	213.9	287.5	524.9	759.6	622.1	497.1	1476.2	2741.3	2691.3
80°	119.4	119.4	183.3	326.3	518.0	401.3	348.6	627.7	867.9	762.4
82.5°	66.7	68.0	133.3	202.7	343.0	237.5	191.6	290.2	374.9	331.9
85°	27.8	30.6	81.9	95.8	163.9	118.0	77.8	122.2	138.9	123.6
87.5°	2.8	4.2	25.0	18.1	19.4	23.6	11.1	23.6	19.4	19.4
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°
3195.4	0°	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4	3195.4
3242.6	2.5°	3216.2	3195.4	3142.6	3081.5	3001.0	2962.1	2909.3	2873.2	2842.6	2845.4
3323.1	5°	3278.7	3225.9	3107.9	2960.7	2777.4	2646.8	2508.0	2412.1	2334.4	2317.7
3434.2	7.5°	3364.8	3281.5	3074.6	2809.3	2499.6	2264.9	2055.3	1920.6	1824.7	1794.2
3568.9	10°	3475.9	3355.1	3031.5	2619.1	2173.3	1874.7	1649.8	1544.2	1479.0	1456.7
3727.2	12.5°	3605.0	3439.8	2974.6	2387.2	1837.2	1549.8	1406.7	1354.0	1333.1	1326.2
3921.7	15°	3767.5	3545.3	2888.5	2112.2	1552.6	1351.2	1290.1	1283.1	1285.9	1283.1
4155.0	17.5°	3960.5	3660.6	2748.2	1828.9	1360.9	1249.8	1227.6	1233.2	1240.1	1238.7
4416.0	20°	4171.6	3774.5	2569.1	1577.5	1230.4	1177.6	1165.1	1170.7	1176.2	1173.4
4717.4	22.5°	4411.9	3896.7	2370.5	1381.7	1142.9	1110.9	1097.1	1098.5	1098.5	1092.9
5099.3	25°	4699.3	4031.4	2162.2	1242.9	1076.2	1051.2	1034.6	1029.0	1020.7	1004.0
5563.1	27.5°	5042.3	4174.4	1962.2	1145.7	1023.5	999.9	980.4	966.5	945.7	917.9
6119.9	30°	5428.4	4348.0	1792.8	1084.6	981.8	958.2	936.0	915.1	884.6	849.9
6760.1	32.5°	5882.5	4534.1	1669.2	1044.3	944.3	919.3	892.9	867.9	834.6	799.9
7479.5	35°	6424.1	4759.0	1597.0	1016.5	915.1	881.8	852.7	824.9	799.9	769.3
8261.3	37.5°	7011.5	4997.9	1574.8	1002.6	895.7	844.3	811.0	791.6	788.8	770.7
9107.0	40°	7654.4	5281.2	1591.4	994.3	874.9	808.2	772.1	767.9	774.9	742.9
10011.0	42.5°	8334.9	5617.2	1619.2	984.6	845.7	772.1	737.4	737.4	731.8	687.4
10966.5	45°	9070.9	6004.7	1647.0	961.0	811.0	736.0	709.6	699.9	676.3	633.2
11927.4	47.5°	9812.5	6399.1	1667.8	917.9	769.3	705.5	681.8	659.6	624.9	586.0
12870.4	50°	10516.5	6753.2	1645.6	854.0	722.1	676.3	651.3	620.7	583.2	556.9
13763.3	52.5°	11145.6	7060.1	1551.2	779.1	672.1	645.7	623.5	591.6	561.0	533.3
14568.7	55°	11692.7	7308.7	1384.5	708.2	627.7	619.4	597.1	556.9	515.2	491.6
15367.2	57.5°	12217.7	7497.5	1176.2	649.9	587.4	590.2	556.9	520.8	481.9	456.9
16443.4	60°	12916.2	7750.3	965.1	595.7	544.4	552.7	516.6	490.2	441.6	409.7
18289.0	62.5°	14032.7	8143.3	766.6	529.1	494.4	497.1	481.9	449.9	391.6	354.1
19656.9	65°	14918.7	7998.8	604.1	456.9	437.4	441.6	441.6	406.9	344.4	301.3
19730.5	67.5°	14818.7	6849.0	481.9	386.1	383.3	386.1	395.8	366.6	305.5	270.8
18227.9	70°	13650.8	5447.8	386.1	320.8	333.3	326.3	354.1	334.7	275.0	240.2
14131.3	72.5°	11138.7	3924.4	294.4	265.2	255.5	266.6	319.4	301.3	229.1	190.3
7485.0	75°	6508.8	2094.1	219.4	209.7	184.7	222.2	283.3	256.9	175.0	140.3
2294.1	77.5°	2119.1	730.4	161.1	154.1	137.5	179.1	241.6	216.6	143.0	111.1
672.1	80°	568.0	220.8	109.7	101.4	88.9	133.3	191.6	172.2	102.8	72.2
288.8	82.5°	227.7	93.0	63.9	56.9	48.6	91.7	151.4	138.9	76.4	45.8
90.3	85°	73.6	30.6	23.6	18.1	22.2	56.9	90.3	94.4	54.2	23.6
13.9	87.5°	9.7	4.2	4.2	5.6	4.2	9.7	27.8	26.4	15.3	2.8
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°
3195.4
2817.6
2280.2
1763.6
1440.1
1322.0
1281.8
1235.9
1172.1
1090.1
1001.2
915.1
847.1
801.3
766.6
769.3
744.3
687.4
631.9
584.6
552.7
530.5
488.8
454.1
405.5
351.3
297.2
265.2
236.1
186.1
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106.9
70.8
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