

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: P851338

Luminaire Tested: **GLAN-SB9B-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851338  
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-SB9B-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 50365 lumens  
Efficiency: N/A  
Efficacy: 152.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

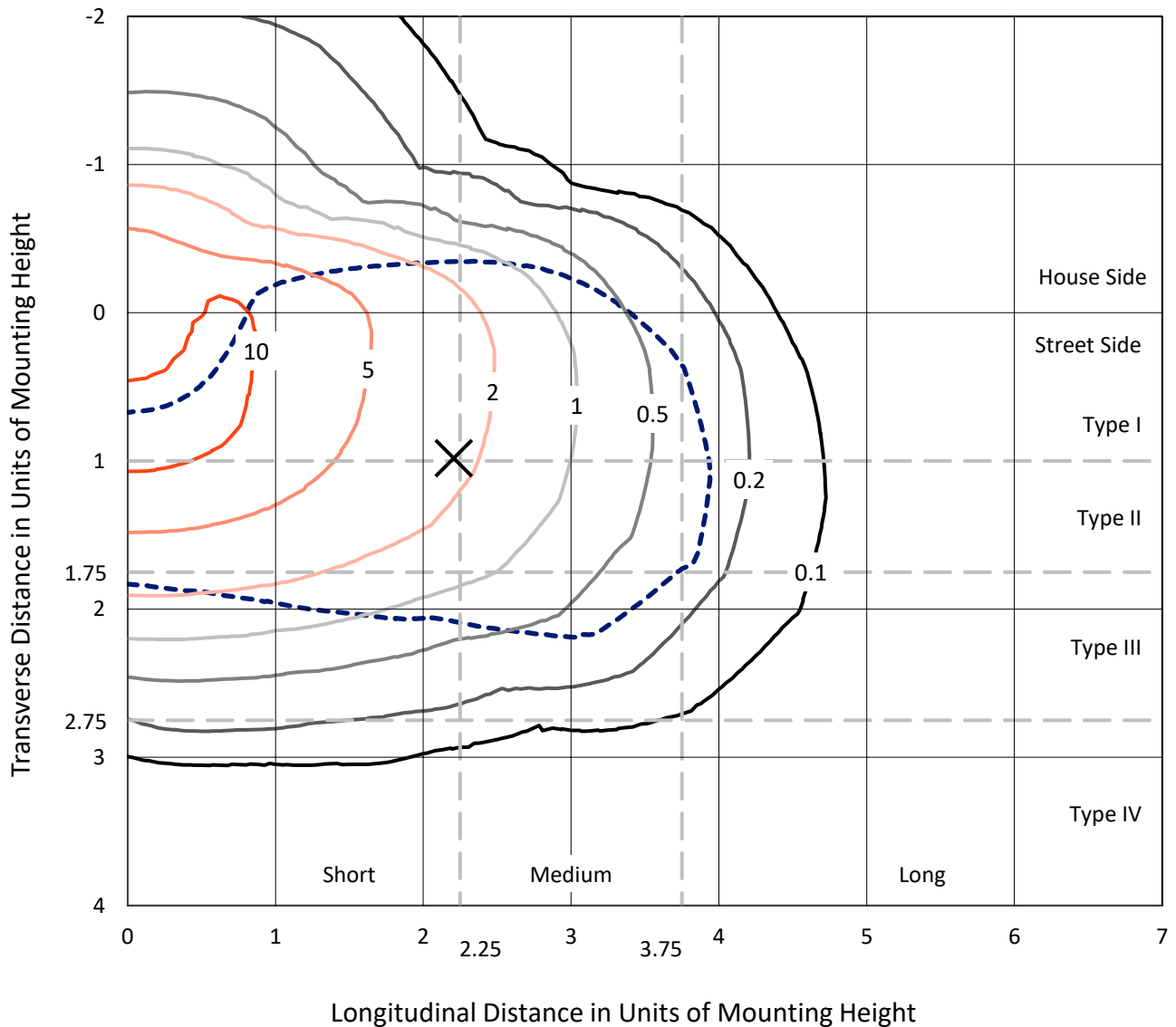
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

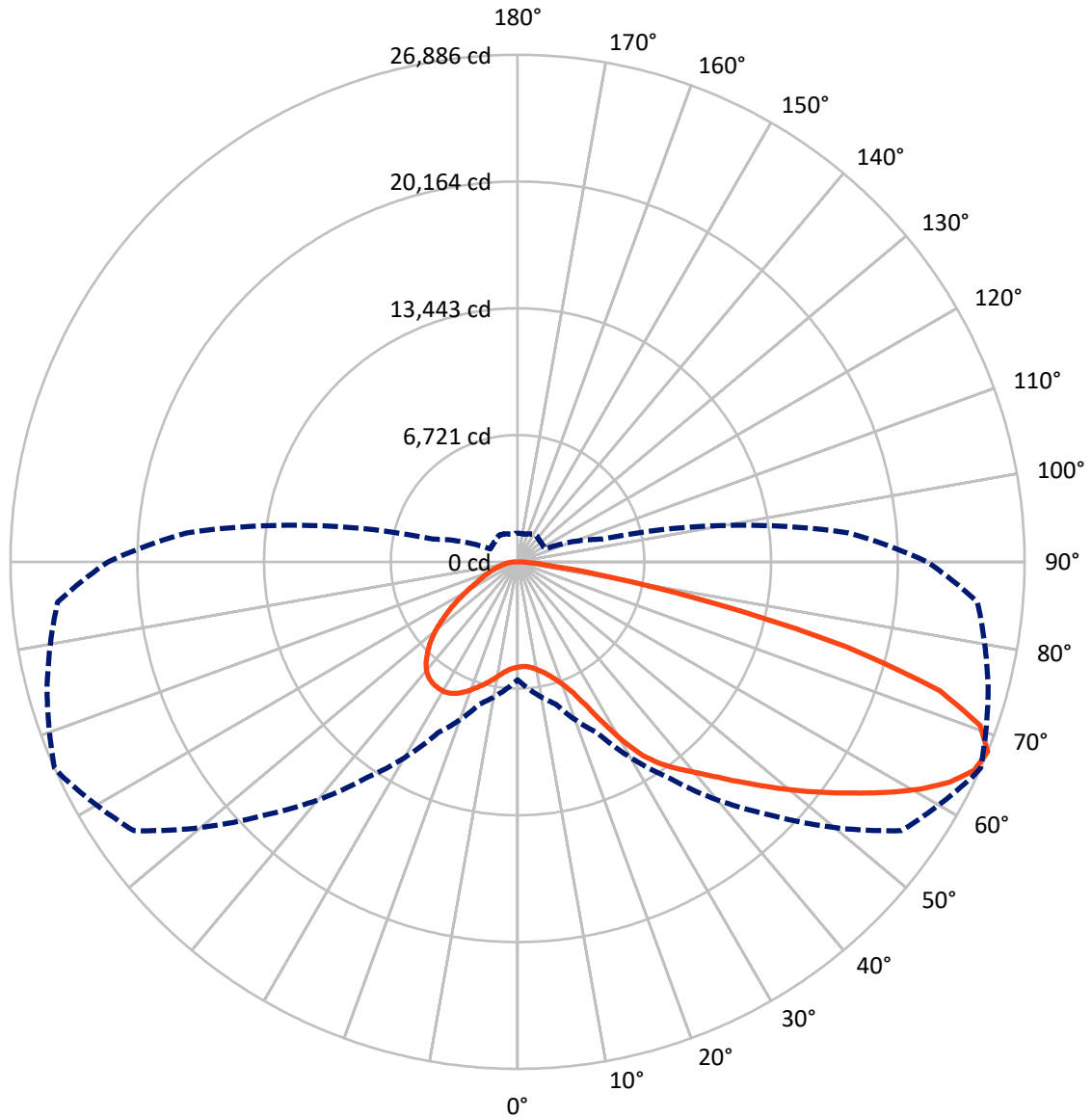
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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
<b>House Side</b>	Lumens	12523.1	0.0	12523.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	37841.9	0.0	37841.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	50365.0	0.0	50365.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	553.8	1.1
10°-20°	1829.8	3.6
20°-30°	3526.9	7.0
30°-40°	6184.0	12.3
40°-50°	9193.5	18.3
50°-60°	11653.6	23.1
60°-70°	11402.8	22.6
70°-80°	5439.2	10.8
80°-90°	581.3	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°	50365.0	100.0
0°-180°	50365.0	100.0

**Coefficient of Utilization**



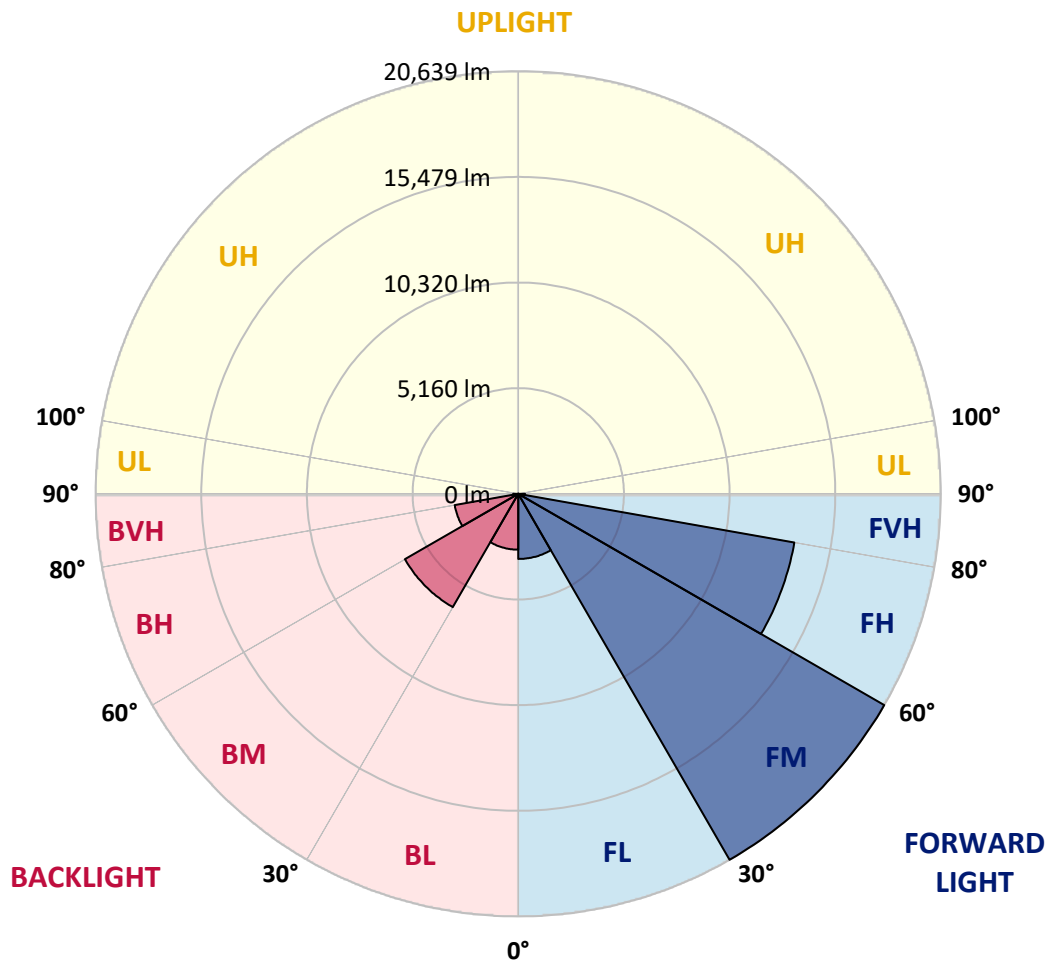
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3182.6	6.3			
FM (30°-60°)	20639.2	41.0			
FH (60°-80°)	13690.6	27.2			G5
FVH (80°-90°)	329.6	0.7			G3/500
BL (0°-30°)	2728.0	5.4	B4/5000		
BM (30°-60°)	6391.9	12.7	B4/8500		
BH (60°-80°)	3151.5	6.3	B4/5000		G4/5000
BVH (80°-90°)	251.7	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1
2.5°	5527.9	5559.7	5551.7	5538.5	5535.9	5541.2	5549.1	5557.0	5554.4	5567.6
5°	5512.1	5543.8	5541.2	5541.2	5551.7	5572.9	5586.1	5599.4	5586.1	5602.0
7.5°	5522.6	5546.5	5557.0	5567.6	5594.1	5633.8	5665.5	5694.6	5678.8	5697.3
10°	5657.6	5676.1	5686.7	5686.7	5705.2	5750.2	5782.0	5834.9	5821.7	5850.8
12.5°	5903.7	5922.2	5922.2	5911.6	5924.9	5954.0	5964.6	6022.8	5999.0	6046.6
15°	6205.4	6242.4	6213.3	6194.8	6200.1	6229.2	6226.5	6271.5	6247.7	6287.4
17.5°	6538.8	6586.4	6538.8	6536.1	6525.5	6557.3	6559.9	6599.6	6557.3	6586.4
20°	6933.1	6999.2	6959.5	6972.8	6948.9	6962.2	6975.4	7033.6	6967.5	6988.6
22.5°	7488.8	7568.2	7525.8	7576.1	7560.2	7549.6	7547.0	7650.2	7547.0	7554.9
25°	8298.5	8393.8	8319.7	8388.5	8388.5	8422.9	8462.6	8594.9	8422.9	8372.6
27.5°	9494.6	9589.9	9444.3	9486.7	9473.4	9558.1	9515.8	9843.9	9658.7	9576.6
30°	10934.1	11103.5	10828.3	10817.7	10804.5	10939.4	11000.3	11217.3	11029.4	10947.4
32.5°	12490.1	12667.4	12339.3	12244.0	12193.7	12275.8	12225.5	12400.1	12270.5	12143.4
35°	14136.0	14310.7	13998.4	13813.2	13612.1	13440.1	13260.1	13305.1	13183.4	12990.2
37.5°	15692.0	16012.2	15681.4	15483.0	15112.5	14776.4	14273.6	14064.6	13950.8	13773.5
40°	17277.1	17459.7	17208.3	17038.9	16636.7	16110.1	15305.7	14863.7	14710.3	14538.3
42.5°	18444.1	18618.7	18483.8	18367.3	18052.4	17441.2	16401.2	15848.1	15625.9	15432.7
45°	19370.2	19499.9	19415.2	19457.6	19322.6	18729.9	17536.4	16904.0	16673.8	16438.2
47.5°	19743.4	19881.0	20015.9	20267.3	20497.5	20060.9	18756.3	18047.1	17803.7	17562.9
50°	19701.0	19841.3	20232.9	20767.4	21481.9	21336.4	20042.4	19264.4	19039.5	18764.3
52.5°	19362.3	19521.1	20023.9	20913.0	22050.8	22291.7	21352.2	20521.3	20309.6	19981.5
55°	18473.2	18568.4	19322.6	20582.2	22185.8	22958.5	22635.7	21860.3	21648.6	21190.8
57.5°	16824.6	16962.2	18060.4	19690.4	21847.1	23411.0	23762.9	23268.1	23064.3	22405.4
60°	14673.2	14892.9	16149.8	18192.7	20984.4	23408.4	24787.0	24652.1	24482.7	23601.5
62.5°	12238.7	12492.7	13702.1	16075.7	19476.1	22744.2	25427.4	25811.1	25723.8	24705.0
65°	9399.3	9574.0	10778.0	13336.9	17128.9	21317.8	25501.5	26602.3	26618.2	25543.8
67.5°	6258.3	6761.1	7806.3	10008.0	13985.2	18986.5	24850.5	26732.0	26885.5	25832.3
70°	3053.7	3715.3	4739.4	6504.4	10008.0	15411.5	23149.0	25668.2	26009.6	24990.8
72.5°	1267.5	1481.9	2040.2	3209.8	5744.9	10399.6	19730.1	22783.8	23416.3	22143.5
75°	854.7	926.2	1167.0	1645.9	2617.1	5128.4	14228.7	16988.7	18007.4	16724.0
77.5°	658.9	703.9	849.4	1151.1	1556.0	1939.7	7615.8	10238.2	10764.8	9965.6
80°	518.7	553.1	635.1	838.8	1103.5	1037.3	2595.9	4638.8	4943.1	4146.6
82.5°	449.9	463.1	455.1	568.9	733.0	606.0	852.1	1712.1	1889.4	1370.7
85°	325.5	362.5	378.4	351.9	389.0	307.0	349.3	606.0	666.8	595.4
87.5°	132.3	195.8	240.8	227.6	142.9	87.3	108.5	177.3	203.8	222.3
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°
5586.1	0°	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1	5586.1
5588.8	2.5°	5591.4	5610.0	5623.2	5639.1	5649.7	5665.5	5697.3	5715.8	5718.5	5731.7
5631.1	5°	5641.7	5668.2	5697.3	5739.6	5787.3	5826.9	5887.8	5930.2	5946.0	5959.3
5734.3	7.5°	5750.2	5787.3	5840.2	5914.3	5983.1	6036.0	6110.1	6160.4	6210.6	6229.2
5898.4	10°	5911.6	5964.6	6041.3	6141.8	6215.9	6284.7	6361.5	6403.8	6454.1	6475.3
6094.2	12.5°	6112.7	6168.3	6268.9	6409.1	6477.9	6525.5	6552.0	6541.4	6552.0	6570.5
6329.7	15°	6343.0	6403.8	6517.6	6668.4	6716.1	6673.7	6615.5	6562.6	6554.7	6559.9
6615.5	17.5°	6615.5	6660.5	6792.8	6919.8	6885.4	6710.8	6583.8	6499.1	6456.7	6443.5
6980.7	20°	6996.6	6996.6	7105.1	7184.5	6954.2	6657.9	6459.4	6321.8	6234.5	6197.4
7478.2	22.5°	7459.7	7417.3	7486.1	7430.6	6941.0	6509.7	6234.5	5996.3	5864.0	5811.1
8174.1	25°	8047.1	7996.8	7978.3	7634.3	6845.7	6274.2	5826.9	5538.5	5422.1	5393.0
9177.0	27.5°	8933.6	8806.6	8565.8	7745.4	6671.1	5903.7	5350.6	5083.4	5017.2	5019.9
10465.8	30°	10113.8	9859.8	9269.7	7764.0	6385.3	5379.7	4863.7	4673.2	4641.4	4654.7
11548.0	32.5°	11206.7	10965.9	9989.4	7679.3	5946.0	4866.4	4427.1	4300.1	4252.5	4268.3
12373.7	35°	12064.1	11997.9	10656.3	7560.2	5406.2	4384.8	4035.5	3927.0	3834.4	3813.2
13151.7	37.5°	12873.8	12847.3	11156.4	7393.5	4871.7	4043.4	3720.6	3577.7	3442.7	3368.6
14011.7	40°	13762.9	13736.5	11484.5	7136.8	4398.0	3747.0	3437.4	3249.5	3082.8	2947.9
14985.5	42.5°	14763.2	14607.1	11640.7	6769.0	3995.8	3495.6	3207.2	2953.2	2733.5	2609.2
16086.3	45°	15856.1	15504.1	11638.0	6300.6	3657.1	3265.4	2961.1	2601.2	2397.5	2281.0
17216.2	47.5°	17015.1	16361.5	11495.1	5782.0	3328.9	3011.4	2580.1	2304.8	2169.9	2098.4
18444.1	50°	18211.2	17163.3	11251.7	5186.6	2992.9	2722.9	2341.9	2154.0	2050.8	1984.7
19661.3	52.5°	19335.8	17891.0	10957.9	4511.8	2651.5	2442.4	2236.0	2090.5	1982.0	1907.9
20841.5	55°	20381.1	18518.2	10542.5	3821.1	2373.6	2254.6	2185.8	2064.0	1939.7	1852.3
22040.3	57.5°	21309.9	18925.7	9825.4	3172.8	2175.2	2124.9	2132.8	2019.1	1876.2	1802.1
23220.5	60°	22082.6	19224.7	8764.2	2572.1	2013.8	1997.9	2050.8	1934.4	1767.7	1683.0
24218.1	62.5°	22545.7	19219.4	7462.3	2106.4	1876.2	1881.5	1942.3	1828.5	1659.2	1579.8
24739.4	65°	22506.0	18748.4	6033.4	1802.1	1743.9	1749.1	1828.5	1712.1	1569.2	1521.6
24477.4	67.5°	21709.5	17599.9	4628.2	1603.6	1598.3	1622.1	1714.7	1632.7	1513.6	1508.3
22916.2	70°	19552.8	15215.7	3334.2	1444.8	1447.5	1481.9	1603.6	1582.4	1484.5	1495.1
19267.0	72.5°	15678.8	11601.0	2238.7	1278.1	1280.8	1336.3	1497.8	1542.7	1455.4	1595.7
13670.3	75°	10441.9	7234.7	1439.5	1100.8	1103.5	1174.9	1405.1	1466.0	1376.0	1590.4
7113.0	77.5°	5017.2	3252.2	1042.6	926.2	926.2	992.3	1214.6	1312.5	1172.3	1235.8
2286.3	80°	1733.3	1222.5	820.3	746.2	730.4	775.3	1024.1	1137.9	1010.9	931.5
746.2	82.5°	682.7	635.1	658.9	579.5	526.6	555.7	796.5	939.4	743.6	672.1
420.7	85°	391.6	412.8	465.7	383.7	304.3	341.4	584.8	674.8	561.0	494.8
137.6	87.5°	105.8	145.5	214.3	198.5	137.6	145.5	277.9	373.1	322.8	248.7
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°
5586.1
5729.0
5956.6
6231.8
6485.9
6575.8
6578.5
6462.0
6189.5
5803.1
5398.3
5027.8
4699.7
4289.5
3829.1
3371.3
2961.1
2617.1
2275.7
2082.6
1960.8
1876.2
1817.9
1754.4
1645.9
1556.0
1518.9
<b>1516.3</b>
1492.5
1616.8
1603.6
1132.6
873.2
669.5
505.4
256.7
0.0

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