

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: P850408

Luminaire Tested: **GLAN-SB7D-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850408
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-SB7D-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46636 lumens
Efficiency: N/A
Efficacy: 90.9 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

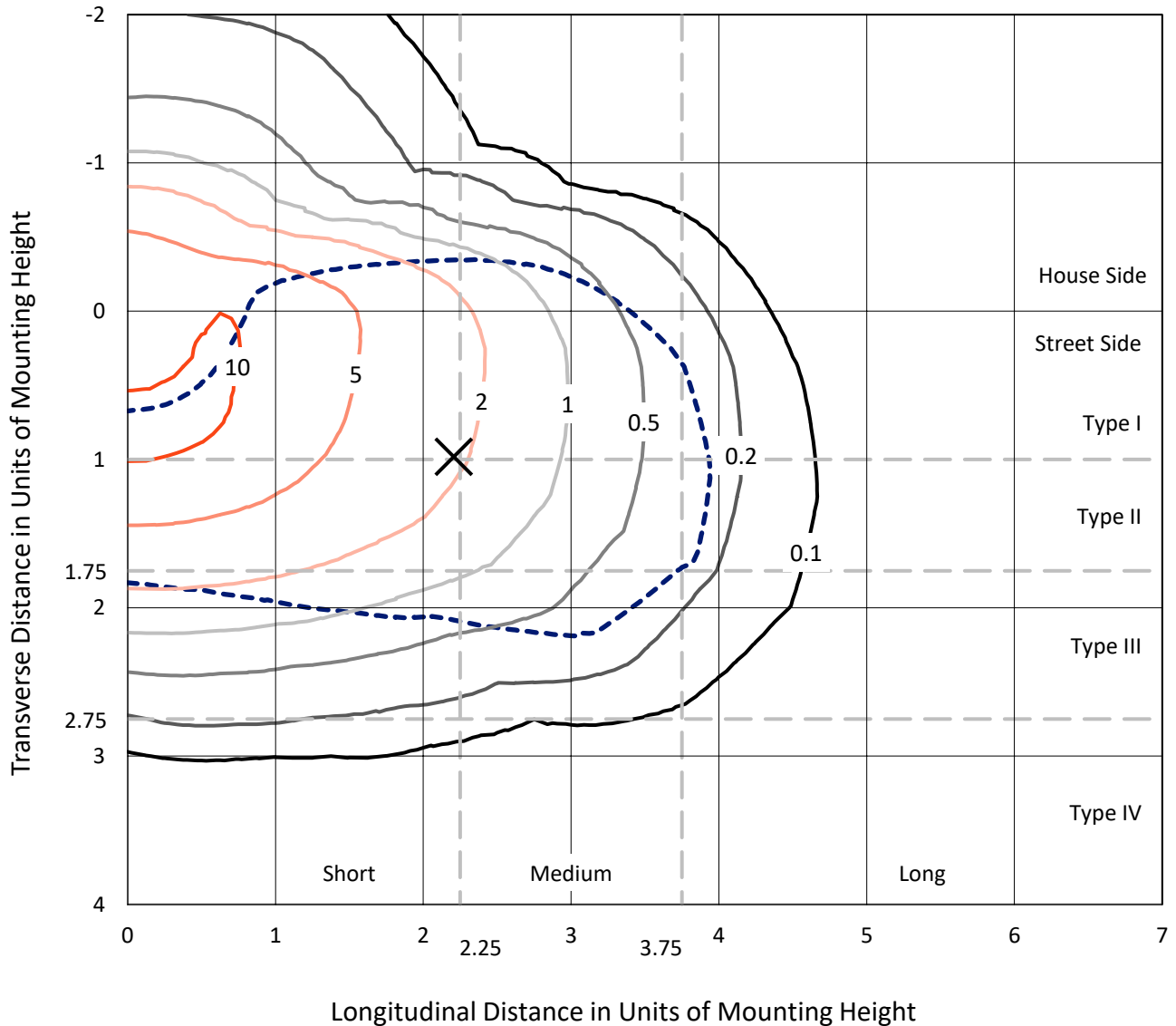
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

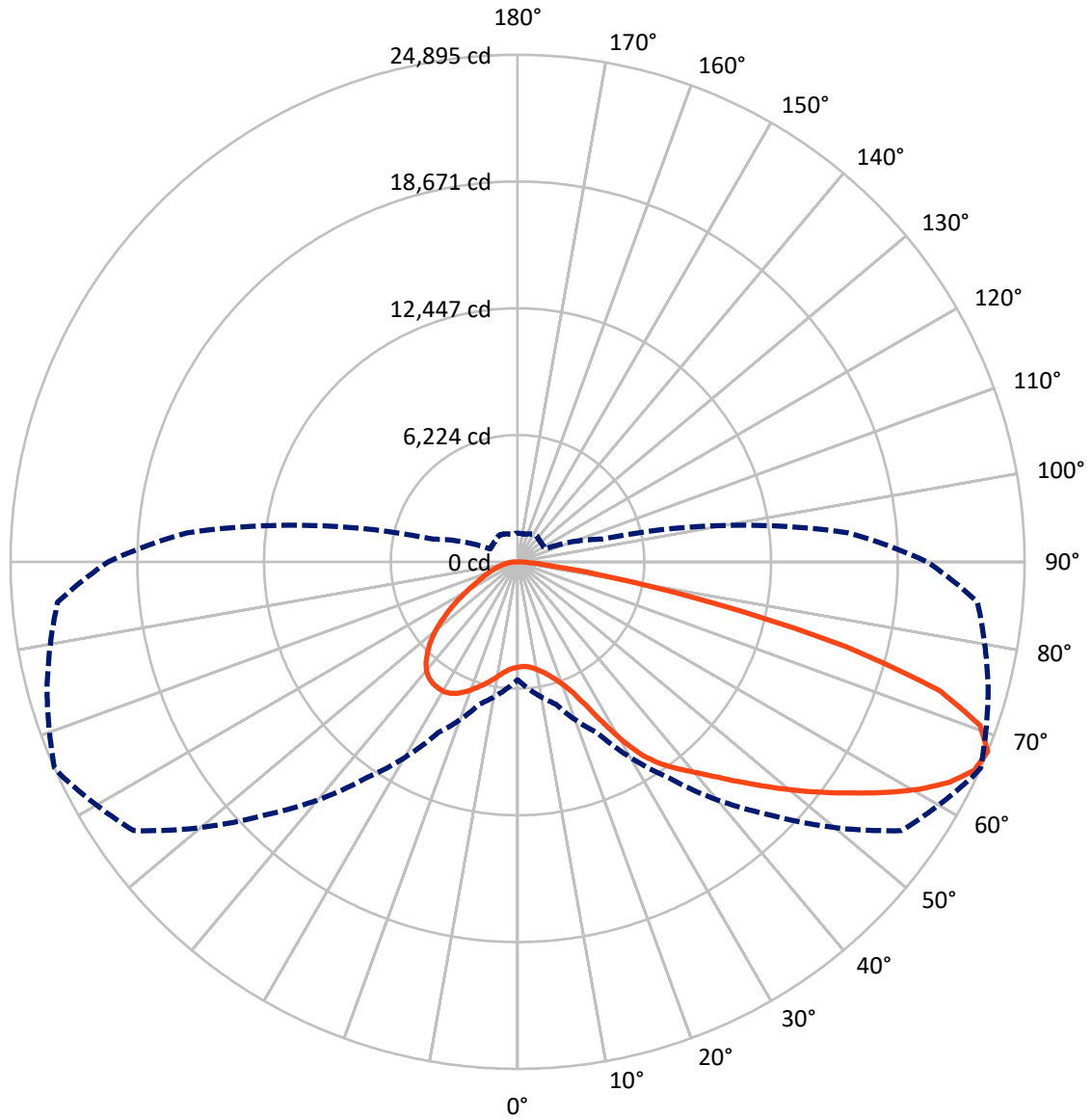
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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
House Side	Lumens	11595.9	0.0	11595.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	35040.1	0.0	35040.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	46636.0	0.0	46636.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.8	1.1
10°-20°	1694.3	3.6
20°-30°	3265.8	7.0
30°-40°	5726.1	12.3
40°-50°	8512.8	18.3
50°-60°	10790.8	23.1
60°-70°	10558.5	22.6
70°-80°	5036.5	10.8
80°-90°	538.3	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°	46636.0	100.0
0°-180°	46636.0	100.0

Coefficient of Utilization

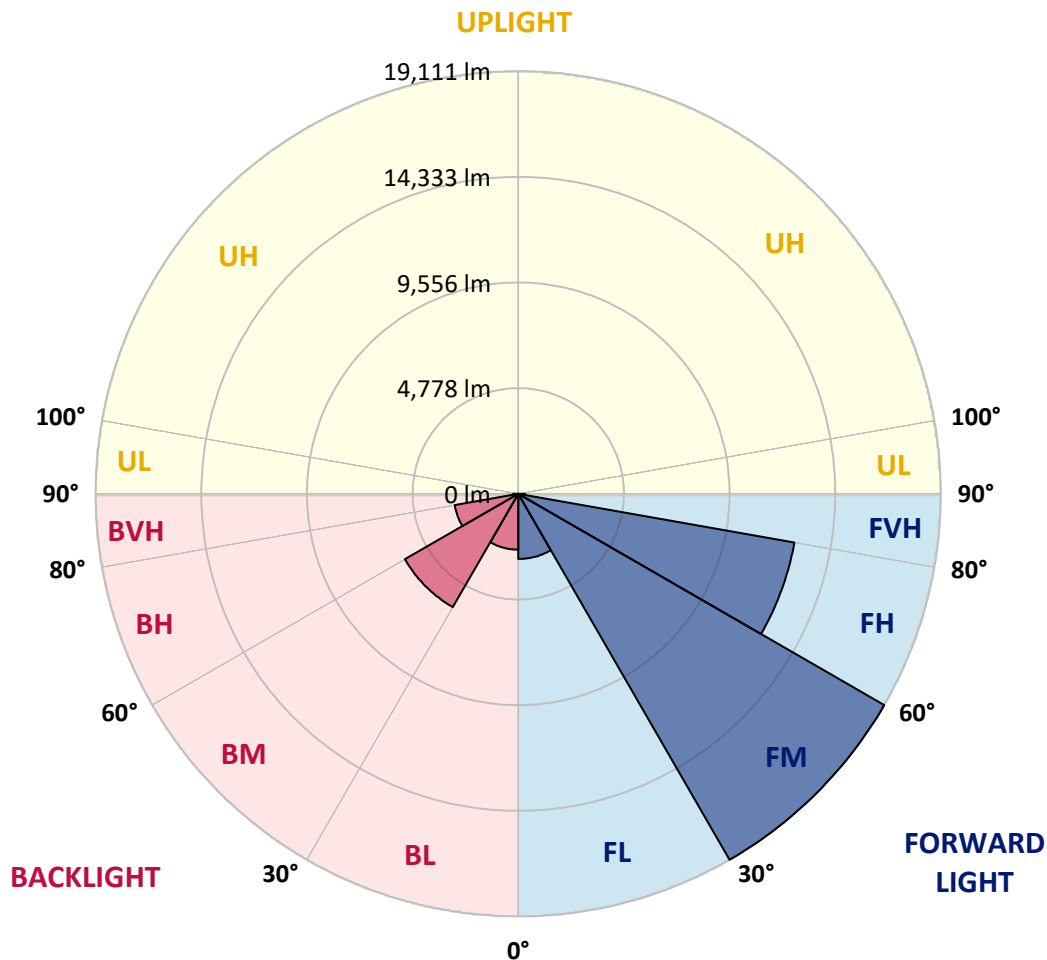


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2946.9	6.3			
FM (30°-60°)	19111.0	41.0			
FH (60°-80°)	12676.9	27.2			G5
FVH (80°-90°)	305.2	0.7			G3/500
BL (0°-30°)	2526.0	5.4	B4/5000		
BM (30°-60°)	5918.7	12.7	B4/8500		
BH (60°-80°)	2918.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	233.1	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°	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5
2.5°	5118.6	5148.0	5140.7	5128.4	5126.0	5130.9	5138.2	5145.6	5143.1	5155.4
5°	5103.9	5133.3	5130.9	5130.9	5140.7	5160.3	5172.5	5184.8	5172.5	5187.3
7.5°	5113.7	5135.8	5145.6	5155.4	5179.9	5216.7	5246.1	5273.0	5258.3	5275.5
10°	5238.7	5255.9	5265.7	5265.7	5282.8	5324.5	5353.9	5402.9	5390.6	5417.6
12.5°	5466.6	5483.7	5483.7	5473.9	5486.2	5513.1	5522.9	5576.8	5554.8	5598.9
15°	5745.9	5780.2	5753.3	5736.1	5741.0	5768.0	5765.5	5807.2	5785.1	5821.9
17.5°	6054.7	6098.8	6054.7	6052.2	6042.4	6071.8	6074.3	6111.0	6071.8	6098.8
20°	6419.7	6481.0	6444.2	6456.5	6434.4	6446.7	6458.9	6512.9	6451.6	6471.2
22.5°	6934.3	7007.8	6968.6	7015.2	7000.5	6990.7	6988.2	7083.8	6988.2	6995.6
25°	7684.1	7772.3	7703.7	7767.4	7767.4	7799.3	7836.0	7958.5	7799.3	7752.7
27.5°	8791.6	8879.8	8745.1	8784.3	8772.0	8850.4	8811.2	9115.1	8943.5	8867.6
30°	10124.6	10281.4	10026.6	10016.8	10004.5	10129.5	10185.8	10386.8	10212.8	10136.8
32.5°	11565.3	11729.5	11425.7	11337.5	11290.9	11366.9	11320.3	11482.0	11362.0	11244.4
35°	13089.4	13251.1	12962.0	12790.5	12604.3	12445.0	12278.4	12320.0	12207.3	12028.4
37.5°	14530.2	14826.7	14520.4	14336.6	13993.6	13682.4	13216.8	13023.3	12917.9	12753.7
40°	15997.9	16167.0	15934.2	15777.4	15404.9	14917.3	14172.4	13763.2	13621.1	13461.9
42.5°	17078.5	17240.2	17115.2	17007.4	16715.8	16149.8	15186.9	14674.7	14468.9	14290.1
45°	17936.1	18056.1	17977.7	18016.9	17892.0	17343.1	16238.0	15652.4	15439.2	15221.2
47.5°	18281.6	18409.0	18533.9	18766.7	18979.9	18575.6	17367.6	16710.9	16485.5	16262.5
50°	18242.4	18372.2	18734.9	19229.8	19891.4	19756.6	18558.4	17838.1	17629.8	17375.0
52.5°	17928.7	18075.7	18541.3	19364.6	20418.2	20641.2	19771.3	19001.9	18805.9	18502.1
55°	17105.4	17193.6	17892.0	19058.3	20543.2	21258.7	20959.7	20241.8	20045.8	19621.9
57.5°	15578.9	15706.3	16723.2	18232.6	20229.5	21677.7	22003.5	21545.3	21356.7	20746.6
60°	13586.8	13790.2	14954.1	16845.7	19430.7	21675.2	22951.8	22826.8	22670.0	21854.1
62.5°	11332.6	11567.8	12687.6	14885.5	18034.1	21060.2	23544.8	23900.1	23819.2	22875.8
65°	8703.4	8865.1	9980.0	12349.4	15860.7	19739.5	23613.4	24632.7	24647.4	23652.6
67.5°	5794.9	6260.5	7228.3	9267.0	12949.7	17580.8	23010.6	24752.8	24894.9	23919.7
70°	2827.6	3440.2	4388.5	6022.8	9267.0	14270.5	21435.1	23767.8	24083.8	23140.5
72.5°	1173.7	1372.2	1889.2	2972.2	5319.6	9629.6	18269.3	21096.9	21682.6	20504.0
75°	791.4	857.6	1080.6	1524.1	2423.3	4748.6	13175.2	15730.8	16674.2	15485.8
77.5°	610.1	651.8	786.5	1065.9	1440.8	1796.1	7051.9	9480.1	9967.8	9227.8
80°	480.3	512.1	588.1	776.7	1021.8	960.5	2403.7	4295.3	4577.1	3839.6
82.5°	416.5	428.8	421.4	526.8	678.7	561.1	789.0	1585.3	1749.5	1269.2
85°	301.4	335.7	350.4	325.9	360.2	284.2	323.4	561.1	617.5	551.3
87.5°	122.5	181.3	223.0	210.7	132.3	80.9	100.5	164.2	188.7	205.8
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°
5172.5	0°	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5
5175.0	2.5°	5177.4	5194.6	5206.9	5221.6	5231.4	5246.1	5275.5	5292.6	5295.1	5307.3
5214.2	5°	5224.0	5248.5	5275.5	5314.7	5358.8	5395.5	5451.9	5491.1	5505.8	5518.0
5309.8	7.5°	5324.5	5358.8	5407.8	5476.4	5540.1	5589.1	5657.7	5704.3	5750.8	5768.0
5461.7	10°	5473.9	5522.9	5594.0	5687.1	5755.7	5819.4	5890.5	5929.7	5976.2	5995.8
5643.0	12.5°	5660.2	5711.6	5804.7	5934.6	5998.3	6042.4	6066.9	6057.1	6066.9	6084.1
5861.1	15°	5873.3	5929.7	6035.0	6174.7	6218.8	6179.6	6125.7	6076.7	6069.4	6074.3
6125.7	17.5°	6125.7	6167.4	6289.9	6407.5	6375.6	6213.9	6096.3	6017.9	5978.7	5966.4
6463.8	20°	6478.5	6478.5	6579.0	6652.5	6439.3	6164.9	5981.1	5853.7	5772.9	5738.6
6924.5	22.5°	6907.3	6868.1	6931.9	6880.4	6427.1	6027.7	5772.9	5552.3	5429.8	5380.8
7568.9	25°	7451.3	7404.8	7387.6	7069.1	6338.9	5809.6	5395.5	5128.4	5020.6	4993.7
8497.6	27.5°	8272.2	8154.5	7931.6	7172.0	6177.2	5466.6	4954.5	4707.0	4645.7	4648.2
9690.9	30°	9365.0	9129.8	8583.3	7189.1	5912.5	4981.4	4503.6	4327.2	4297.8	4310.0
10693.0	32.5°	10377.0	10154.0	9249.8	7110.7	5505.8	4506.1	4099.3	3981.7	3937.6	3952.3
11457.5	35°	11170.8	11109.6	9867.3	7000.5	5005.9	4060.1	3736.7	3636.2	3550.5	3530.9
12177.9	37.5°	11920.6	11896.1	10330.4	6846.1	4511.0	3744.0	3445.1	3312.8	3187.8	3119.2
12974.3	40°	12743.9	12719.4	10634.2	6608.4	4072.4	3469.6	3182.9	3008.9	2854.6	2729.6
13876.0	42.5°	13670.1	13525.6	10778.8	6267.8	3699.9	3236.8	2969.7	2734.5	2531.1	2416.0
14895.3	45°	14682.1	14356.2	10776.3	5834.1	3386.3	3023.6	2741.9	2408.6	2220.0	2112.1
15941.5	47.5°	15755.3	15150.1	10644.0	5353.9	3082.5	2788.4	2389.0	2134.2	2009.2	1943.1
17078.5	50°	16862.9	15892.5	10418.6	4802.6	2771.3	2521.3	2168.5	1994.5	1899.0	1837.7
18205.6	52.5°	17904.2	16566.4	10146.6	4177.7	2455.2	2261.6	2070.5	1935.7	1835.3	1766.7
19298.4	55°	18872.1	17147.1	9761.9	3538.2	2197.9	2087.6	2023.9	1911.2	1796.1	1715.2
20408.4	57.5°	19732.1	17524.4	9097.9	2937.9	2014.1	1967.6	1974.9	1869.6	1737.3	1668.6
21501.2	60°	20447.6	17801.3	8115.3	2381.7	1864.7	1850.0	1899.0	1791.2	1636.8	1558.4
22425.0	62.5°	20876.4	17796.4	6909.8	1950.4	1737.3	1742.2	1798.5	1693.1	1536.3	1462.8
22907.7	65°	20839.7	17360.3	5586.6	1668.6	1614.7	1619.6	1693.1	1585.3	1453.0	1408.9
22665.1	67.5°	20102.1	16296.8	4285.5	1484.9	1480.0	1502.0	1587.8	1511.8	1401.6	1396.7
21219.5	70°	18105.1	14089.1	3087.4	1337.9	1340.3	1372.2	1484.9	1465.3	1374.6	1384.4
17840.5	72.5°	14517.9	10742.0	2072.9	1183.5	1185.9	1237.4	1386.9	1428.5	1347.7	1477.5
12658.2	75°	9668.8	6699.1	1333.0	1019.3	1021.8	1087.9	1301.1	1357.5	1274.1	1472.6
6586.4	77.5°	4645.7	3011.4	965.4	857.6	857.6	918.9	1124.7	1215.3	1085.5	1144.3
2117.0	80°	1604.9	1132.0	759.6	691.0	676.3	717.9	948.3	1053.6	936.0	862.5
691.0	82.5°	632.2	588.1	610.1	536.6	487.6	514.6	737.5	869.9	688.5	622.4
389.6	85°	362.6	382.2	431.2	355.3	281.8	316.1	541.5	624.8	519.5	458.2
127.4	87.5°	98.0	134.8	198.5	183.8	127.4	134.8	257.3	345.5	298.9	230.3
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°
5172.5
5304.9
5515.6
5770.4
6005.6
6089.0
6091.4
5983.6
5731.2
5373.5
4998.6
4655.5
4351.7
3971.9
3545.6
3121.7
2741.9
2423.3
2107.2
1928.4
1815.7
1737.3
1683.3
1624.5
1524.1
1440.8
1406.5
1404.0
1382.0
1497.1
1484.9
1048.7
808.6
619.9
468.0
237.7
0.0

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