

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: P850138

Luminaire Tested: **GLAN-SB7C-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850138  
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-SB7C-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

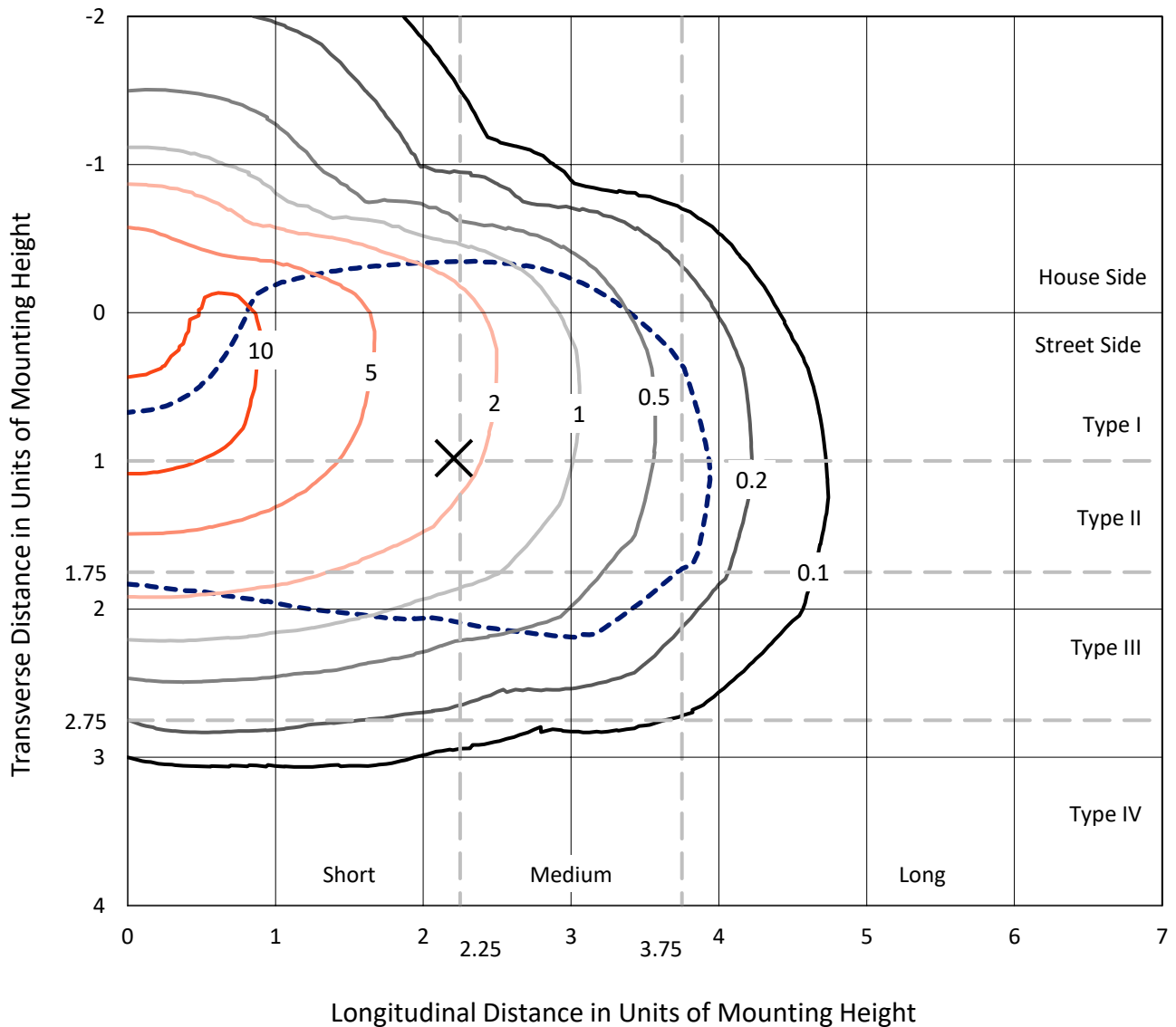
Lumens per Lamp: N/A  
Luminaire Lumens: 51483 lumens  
Efficiency: N/A  
Efficacy: 146.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

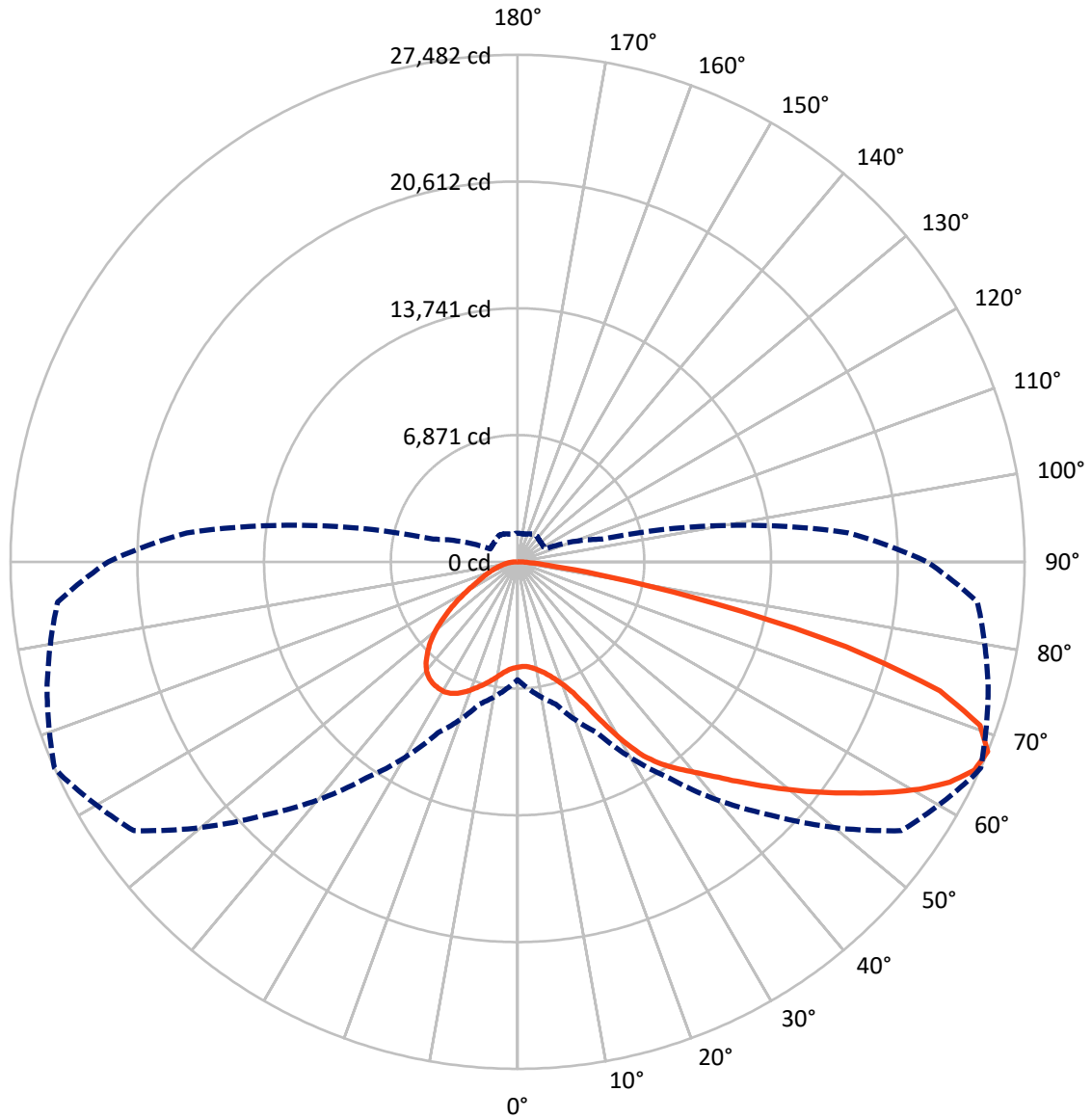
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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	12801.1	0.0	12801.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	38681.9	0.0	38681.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	51483.0	0.0	51483.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	566.1	1.1
10°-20°	1870.4	3.6
20°-30°	3605.2	7.0
30°-40°	6321.2	12.3
40°-50°	9397.6	18.3
50°-60°	11912.3	23.1
60°-70°	11655.9	22.6
70°-80°	5560.0	10.8
80°-90°	594.2	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°	51483.0	100.0
0°-180°	51483.0	100.0

**Coefficient of Utilization**

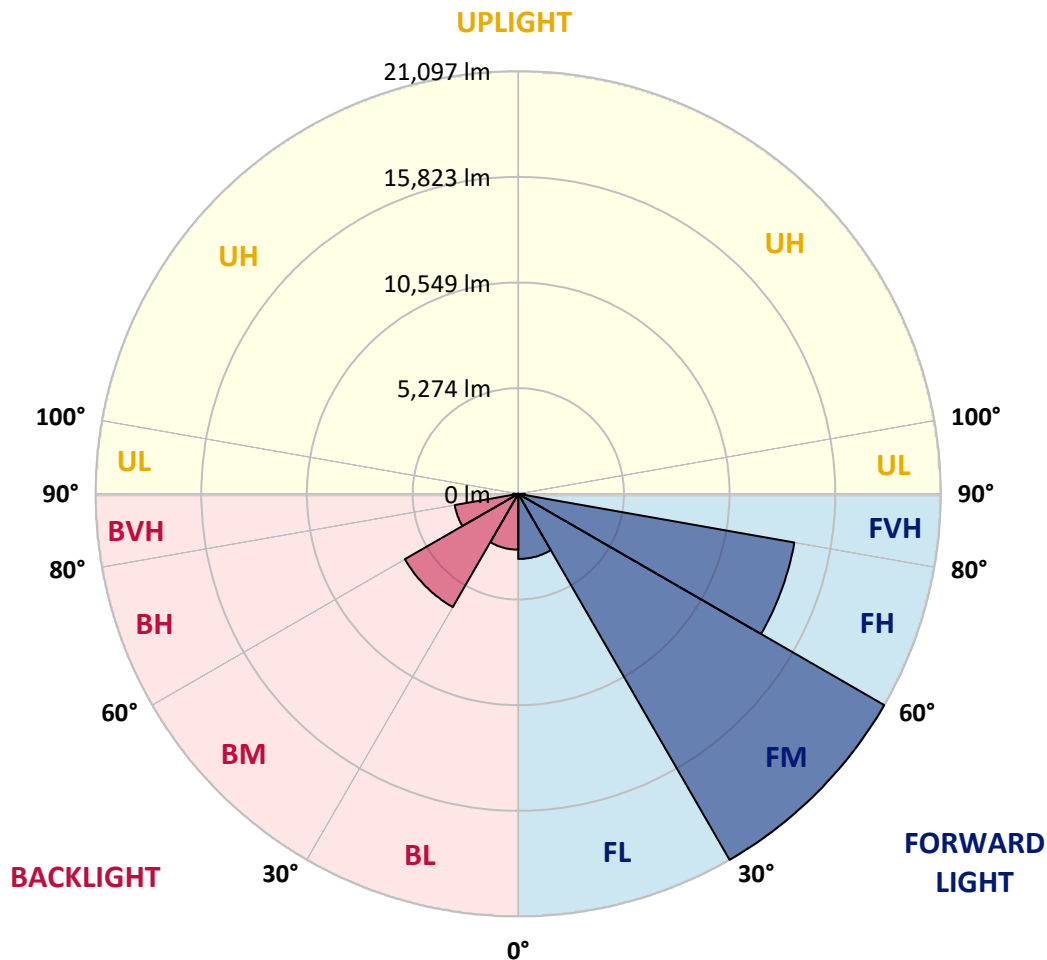


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3253.2	6.3			
FM (30°-60°)	21097.3	41.0			
FH (60°-80°)	13994.5	27.2			G5
FVH (80°-90°)	336.9	0.7			G3/500
BL (0°-30°)	2788.5	5.4	B4/5000		
BM (30°-60°)	6533.8	12.7	B4/8500		
BH (60°-80°)	3221.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	257.3	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°	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1
2.5°	5650.6	5683.1	5675.0	5661.5	5658.8	5664.2	5672.3	5680.4	5677.7	5691.2
5°	5634.4	5666.9	5664.2	5664.2	5675.0	5696.6	5710.1	5723.7	5710.1	5726.4
7.5°	5645.2	5669.6	5680.4	5691.2	5718.3	5758.8	5791.3	5821.0	5804.8	5823.8
10°	5783.2	5802.1	5812.9	5812.9	5831.9	5877.9	5910.3	5964.4	5950.9	5980.6
12.5°	6034.7	6053.7	6053.7	6042.9	6056.4	6086.1	6097.0	6156.5	6132.1	6180.8
15°	6343.1	6381.0	6351.2	6332.3	6337.7	6367.4	6364.7	6410.7	6386.4	6427.0
17.5°	6683.9	6732.6	6683.9	6681.2	6670.4	6702.9	6705.6	6746.1	6702.9	6732.6
20°	7087.0	7154.6	7114.0	7127.5	7103.2	7116.7	7130.2	7189.8	7122.1	7143.8
22.5°	7655.0	7736.2	7692.9	7744.3	7728.0	7717.2	7714.5	7820.0	7714.5	7722.6
25°	8482.7	8580.1	8504.4	8574.7	8574.7	8609.8	8650.4	8785.7	8609.8	8558.5
27.5°	9705.4	9802.7	9654.0	9697.2	9683.7	9770.3	9727.0	10062.4	9873.1	9789.2
30°	11176.8	11350.0	11068.6	11057.8	11044.3	11182.3	11244.5	11466.3	11274.2	11190.4
32.5°	12767.4	12948.6	12613.2	12515.8	12464.4	12548.3	12496.9	12675.4	12542.8	12413.0
35°	14449.8	14628.4	14309.2	14119.8	13914.3	13738.4	13554.5	13600.5	13476.1	13278.6
37.5°	16040.3	16367.6	16029.5	15826.7	15448.0	15104.4	14590.5	14376.8	14260.5	14079.3
40°	17660.6	17847.2	17590.3	17417.2	17006.0	16467.7	15645.4	15193.7	15036.8	14861.0
42.5°	18853.5	19032.0	18894.1	18775.0	18453.2	17828.3	16765.3	16199.9	15972.7	15775.3
45°	19800.2	19932.8	19846.2	19889.5	19751.5	19145.6	17925.7	17279.2	17043.9	16803.1
47.5°	20181.6	20322.3	20460.2	20717.2	20952.5	20506.2	19172.7	18447.7	18198.9	17952.7
50°	20138.3	20281.7	20682.0	21228.4	21958.8	21810.0	20487.3	19692.0	19462.1	19180.8
52.5°	19792.1	19954.4	20468.3	21377.2	22540.3	22786.5	21826.2	20976.9	20760.5	20425.1
55°	18883.2	18980.6	19751.5	21039.1	22678.3	23468.1	23138.1	22345.6	22129.2	21661.2
57.5°	17198.1	17338.7	18461.3	20127.5	22332.1	23930.7	24290.4	23784.6	23576.3	22902.8
60°	14998.9	15223.4	16508.3	18596.5	21450.2	23928.0	25337.2	25199.3	25026.2	24125.4
62.5°	12510.4	12770.1	14006.2	16432.6	19908.4	23249.0	25991.8	26384.1	26294.8	25253.4
65°	9608.0	9786.5	11017.3	13632.9	17509.1	21791.1	26067.6	27192.8	27209.1	26110.9
67.5°	6397.2	6911.1	7979.6	10230.1	14295.6	19408.0	25402.2	27325.4	27482.3	26405.7
70°	3121.5	3797.7	4844.6	6648.8	10230.1	15753.6	23662.9	26238.0	26586.9	25545.5
72.5°	1295.7	1514.8	2085.5	3281.1	5872.4	10630.4	20168.1	23289.6	23936.1	22635.0
75°	873.7	946.7	1192.9	1682.5	2675.2	5242.2	14544.5	17365.8	18407.2	17095.3
77.5°	673.5	719.5	868.3	1176.7	1590.5	1982.7	7784.8	10465.4	11003.7	10186.8
80°	530.2	565.3	649.2	857.5	1128.0	1060.3	2653.6	4741.8	5052.8	4238.7
82.5°	459.8	473.4	465.3	581.6	749.3	619.4	871.0	1750.1	1931.3	1401.2
85°	332.7	370.6	386.8	359.8	397.6	313.8	357.1	619.4	681.6	608.6
87.5°	135.2	200.2	246.2	232.6	146.1	89.3	110.9	181.2	208.3	227.2
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°
5710.1	0°	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1	5710.1
5712.9	2.5°	5715.6	5734.5	5748.0	5764.2	5775.1	5791.3	5823.8	5842.7	5845.4	5858.9
5756.1	5°	5766.9	5794.0	5823.8	5867.0	5915.7	5956.3	6018.5	6061.8	6078.0	6091.5
5861.6	7.5°	5877.9	5915.7	5969.8	6045.6	6115.9	6170.0	6245.7	6297.1	6348.5	6367.4
6029.3	10°	6042.9	6097.0	6175.4	6278.2	6353.9	6424.3	6502.7	6546.0	6597.4	6619.0
6229.5	12.5°	6248.4	6305.2	6408.0	6551.4	6621.7	6670.4	6697.5	6686.6	6697.5	6716.4
6470.2	15°	6483.8	6546.0	6662.3	6816.5	6865.2	6821.9	6762.4	6708.3	6700.2	6705.6
6762.4	17.5°	6762.4	6808.4	6943.6	7073.4	7038.3	6859.7	6729.9	6643.4	6600.1	6586.5
7135.7	20°	7151.9	7151.9	7262.8	7343.9	7108.6	6805.6	6602.8	6462.1	6372.9	6335.0
7644.2	22.5°	7625.2	7582.0	7652.3	7595.5	7095.1	6654.2	6372.9	6129.4	5994.2	5940.1
8355.6	25°	8225.7	8174.4	8155.4	7803.8	6997.7	6413.4	5956.3	5661.5	5542.4	5512.7
9380.8	27.5°	9131.9	9002.1	8755.9	7917.4	6819.2	6034.7	5469.4	5196.2	5128.6	5131.3
10698.1	30°	10338.3	10078.6	9475.4	7936.3	6527.0	5499.2	4971.7	4776.9	4744.5	4758.0
11804.4	32.5°	11455.5	11209.3	10211.2	7849.8	6078.0	4974.4	4525.4	4395.5	4346.9	4363.1
12648.3	35°	12331.9	12264.2	10892.8	7728.0	5526.2	4482.1	4125.0	4014.1	3919.5	3897.8
13443.6	37.5°	13159.6	13132.5	11404.1	7557.6	4979.8	4133.2	3803.2	3657.1	3519.1	3443.4
14322.7	40°	14068.4	14041.4	11739.5	7295.2	4495.6	3830.2	3513.7	3321.7	3151.3	3013.3
15318.1	42.5°	15090.9	14931.3	11899.1	6919.3	4084.5	3573.2	3278.4	3018.7	2794.2	2667.1
16443.4	45°	16208.0	15848.3	11896.4	6440.5	3738.2	3337.9	3026.8	2659.0	2450.7	2331.7
17598.4	47.5°	17392.8	16724.7	11750.3	5910.3	3402.8	3078.2	2637.3	2356.0	2218.1	2145.0
18853.5	50°	18615.5	17544.3	11501.4	5301.7	3059.3	2783.4	2393.9	2201.8	2096.3	2028.7
20097.8	52.5°	19765.1	18288.2	11201.2	4611.9	2710.4	2496.7	2285.7	2136.9	2026.0	1950.3
21304.2	55°	20833.5	18929.2	10776.5	3905.9	2426.3	2304.6	2234.3	2109.9	1982.7	1893.5
22529.5	57.5°	21782.9	19345.8	10043.5	3243.2	2223.5	2172.1	2180.2	2063.9	1917.8	1842.1
23735.9	60°	22572.8	19651.4	8958.8	2629.2	2058.5	2042.2	2096.3	1977.3	1806.9	1720.3
24755.7	62.5°	23046.2	19646.0	7628.0	2153.1	1917.8	1923.2	1985.4	1869.1	1696.0	1614.9
25288.6	65°	23005.6	19164.6	6167.3	1842.1	1782.6	1788.0	1869.1	1750.1	1604.0	1555.3
25020.8	67.5°	22191.4	17990.6	4731.0	1639.2	1633.8	1658.1	1752.8	1669.0	1547.2	1541.8
23424.8	70°	19986.9	15553.5	3408.2	1476.9	1479.6	1514.8	1639.2	1617.6	1517.5	1528.3
19694.7	72.5°	16026.8	11858.5	2288.4	1306.5	1309.2	1366.0	1531.0	1577.0	1487.7	1631.1
13973.8	75°	10673.7	7395.3	1471.5	1125.3	1128.0	1201.0	1436.3	1498.5	1406.6	1625.7
7270.9	77.5°	5128.6	3324.4	1065.7	946.7	946.7	1014.4	1241.6	1341.7	1198.3	1263.2
2337.1	80°	1771.7	1249.7	838.5	762.8	746.6	792.5	1046.8	1163.1	1033.3	952.1
762.8	82.5°	697.9	649.2	673.5	592.4	538.3	568.0	814.2	960.3	760.1	687.1
430.1	85°	400.3	422.0	476.1	392.2	311.1	348.9	597.8	689.8	573.4	505.8
140.7	87.5°	108.2	148.8	219.1	202.9	140.7	148.8	284.0	381.4	330.0	254.3
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°
5710.1
5856.2
6088.8
6370.2
6629.8
6721.8
6724.5
6605.5
6326.9
5932.0
5518.1
5139.4
4804.0
4384.7
3914.1
3446.1
3026.8
2675.2
2326.3
2128.8
2004.4
1917.8
1858.3
1793.4
1682.5
1590.5
1552.6
1549.9
1525.6
1652.7
1639.2
1157.7
892.6
684.4
516.6
262.4
0.0

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