

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: McGRAW-EDISON

Report Number: P953572

Luminaire Tested: **GALN-SB7A-830-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953572  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7A-830-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

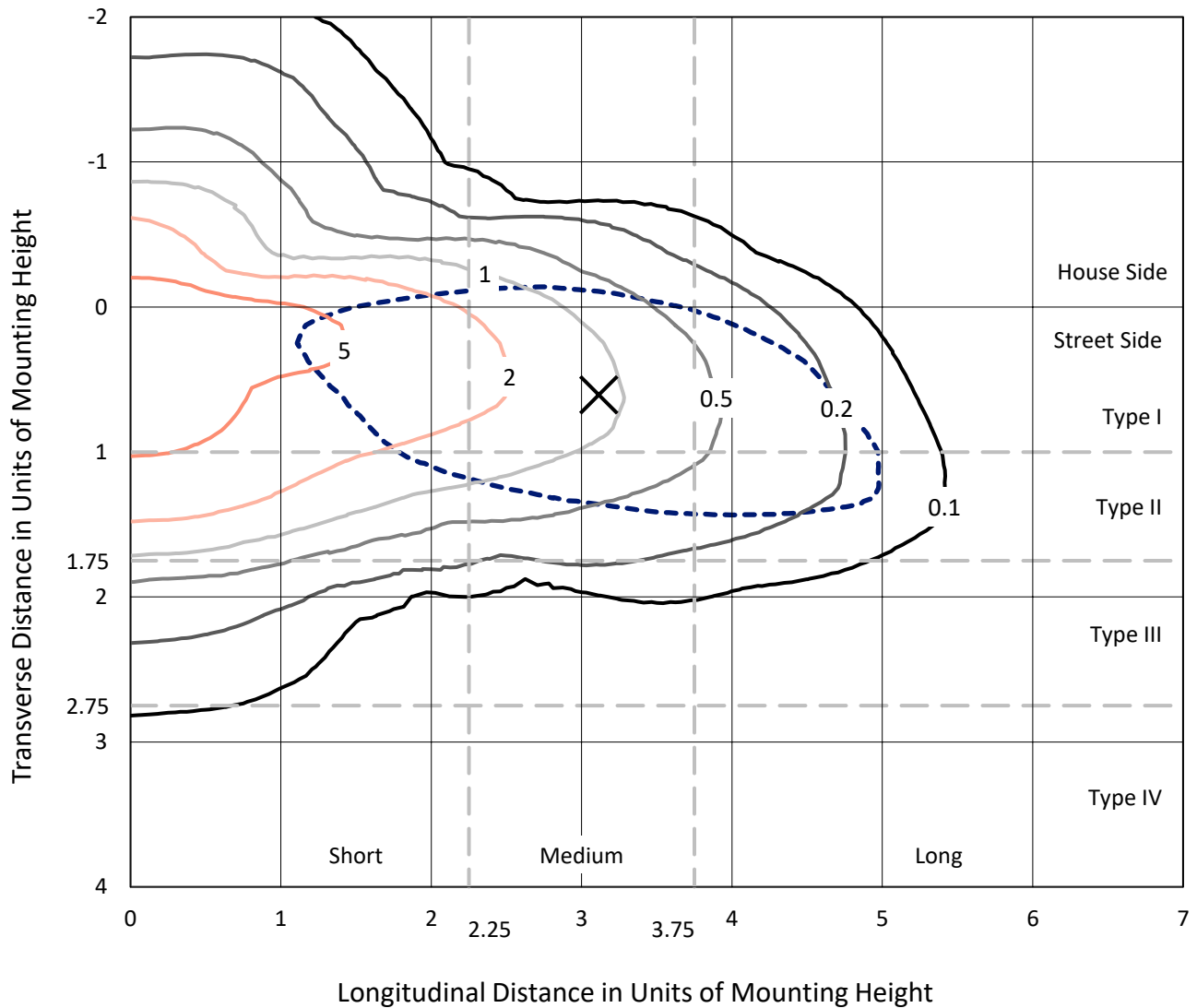
Lumens per Lamp: N/A  
Luminaire Lumens: 28491 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

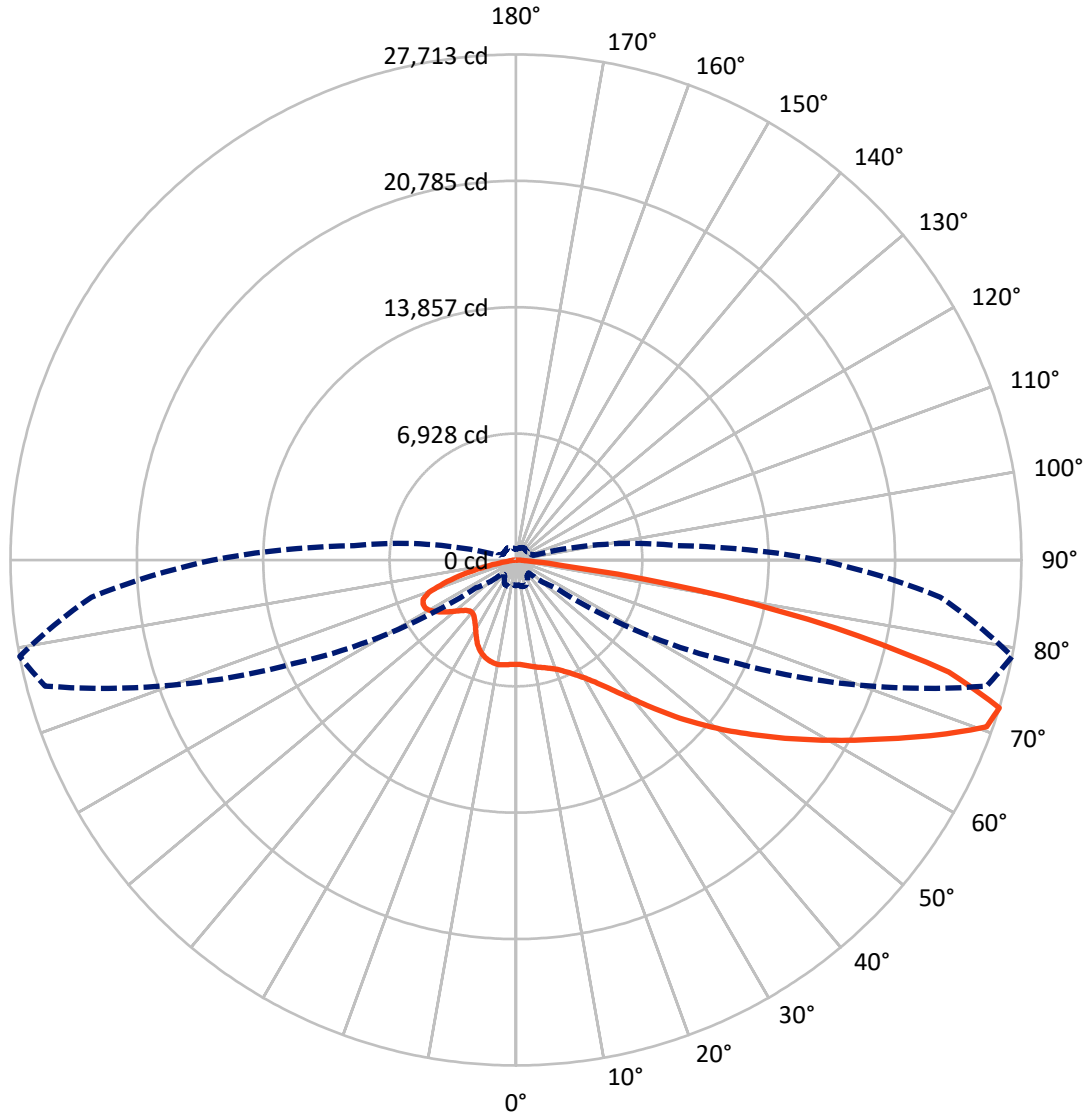
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P953572  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P953572

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6269.6	0.0	6269.6
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	22221.4	0.0	22221.4
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	28491.0	0.0	28491.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	519.1	1.8
10°-20°	1357.3	4.8
20°-30°	2190.1	7.7
30°-40°	3287.1	11.5
40°-50°	4662.9	16.4
50°-60°	5888.7	20.7
60°-70°	5980.7	21.0
70°-80°	4076.1	14.3
80°-90°	528.8	1.9
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°	28491.0	100.0
0°-180°	28491.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P953572

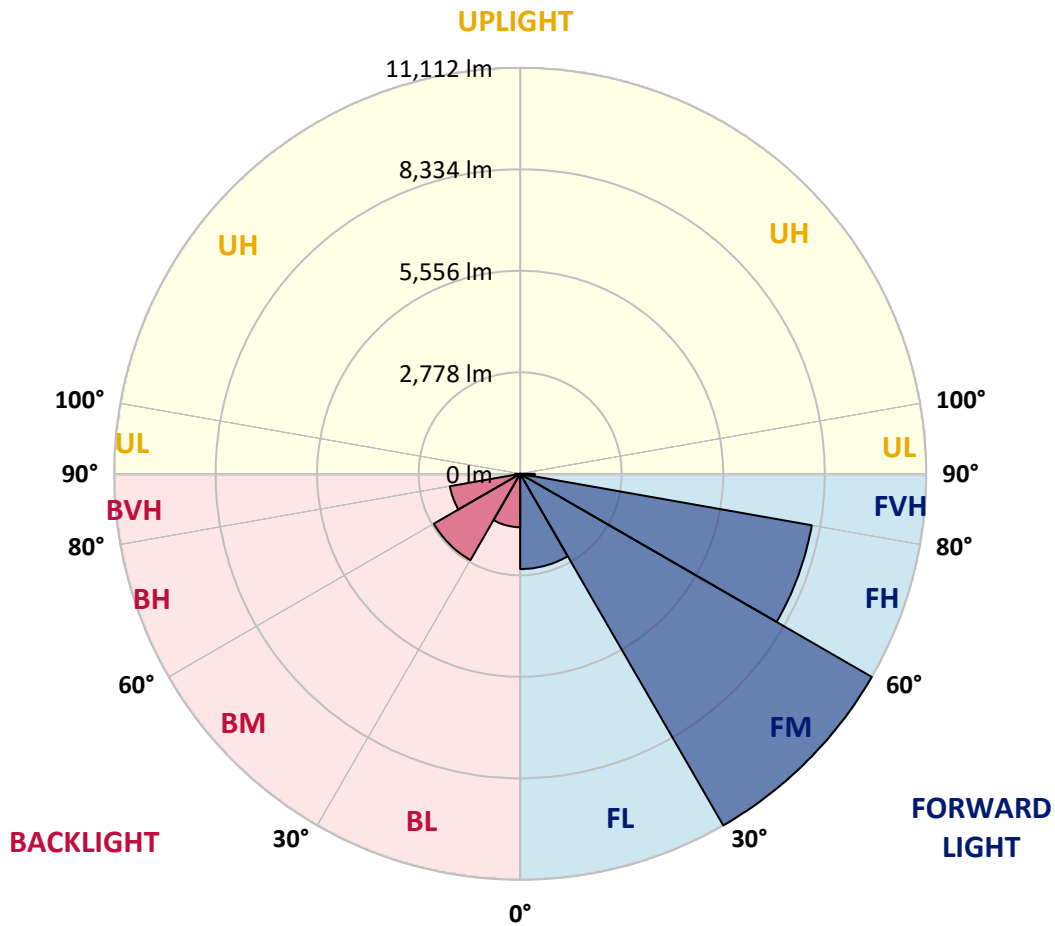
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2606.2	9.1			
FM (30°-60°)	11112.1	39.0			
FH (60°-80°)	8104.7	28.4			G4/12000
FVH (80°-90°)	398.4	1.4			G3/500
BL (0°-30°)	1460.4	5.1	B3/2500		
BM (30°-60°)	2726.6	9.6	B3/5000		
BH (60°-80°)	1952.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	130.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium



REPORT NUMBER: P953572  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3
2.5°	5722.3	5695.2	5711.8	5705.7	5713.3	5722.3	5725.3	5729.8	5744.9	5743.4
5°	5710.3	5683.1	5705.7	5698.2	5717.8	5738.9	5757.0	5773.6	5797.7	5808.2
7.5°	5684.6	5666.6	5689.2	5711.8	5747.9	5779.6	5805.2	5842.9	5877.5	5883.6
10°	5535.4	5521.9	5574.6	5633.4	5732.9	5818.8	5874.5	5918.2	5955.9	5961.9
12.5°	5380.2	5363.6	5422.4	5502.3	5663.5	5818.8	5936.3	5993.6	6026.7	6046.3
15°	5354.6	5341.0	5374.2	5443.5	5577.6	5778.1	5978.5	6084.0	6112.6	6135.2
17.5°	5478.2	5452.5	5466.1	5490.2	5568.6	5740.4	6011.7	6186.5	6230.2	6254.3
20°	5764.5	5728.3	5707.2	5659.0	5645.5	5746.4	6008.7	6310.1	6367.3	6397.5
22.5°	6145.8	6121.7	6076.5	5954.4	5821.8	5820.3	6065.9	6468.3	6575.3	6603.9
25°	6607.0	6570.8	6513.5	6347.7	6093.0	5966.5	6162.4	6670.3	6849.6	6857.1
27.5°	7137.4	7083.2	7004.8	6786.3	6442.7	6195.5	6310.1	6902.3	7164.6	7161.6
30°	7696.6	7642.3	7559.4	7294.2	6861.6	6504.5	6515.0	7152.5	7538.3	7521.7
32.5°	8105.0	8064.3	8047.7	7842.7	7343.9	6869.2	6750.1	7429.8	7999.5	7984.4
35°	8418.4	8365.7	8385.3	8281.3	7869.9	7277.6	7038.0	7759.9	8560.1	8558.6
37.5°	8728.9	8682.2	8698.8	8629.4	8356.7	7796.0	7389.1	8163.8	9254.9	9288.0
40°	9012.2	8962.5	9028.8	8964.0	8734.9	8347.6	7788.5	8620.4	10059.6	10122.9
42.5°	9182.5	9143.3	9253.4	9254.9	9063.5	8813.3	8227.0	9123.7	10991.0	11132.7
45°	9241.3	9227.7	9393.5	9428.2	9354.3	9083.1	8621.9	9672.3	11994.7	12247.9
47.5°	9178.0	9152.4	9381.5	9509.6	9568.3	9209.7	8948.9	10266.1	13019.5	13390.2
50°	8858.5	8808.8	9149.4	9419.1	9628.6	9292.5	9279.0	10951.8	14184.5	14589.9
52.5°	8284.3	8246.6	8634.0	9102.6	9496.0	9333.2	9649.7	11700.8	15290.6	15815.1
55°	7550.4	7500.6	7927.1	8539.0	9165.9	9319.7	10020.5	12538.7	16595.8	17127.8
57.5°	6386.9	6287.5	6827.0	7550.4	8627.9	9303.1	10406.3	13372.2	17922.0	18559.5
60°	4690.0	4542.3	5203.9	6061.4	7576.0	9141.8	10884.0	14306.5	19513.4	20087.6
62.5°	2730.8	2644.9	3077.4	3877.7	5710.3	8192.4	11152.3	15393.1	21077.8	21680.6
65°	2120.4	2096.3	2134.0	2195.8	3178.4	6133.7	10324.9	16452.6	23067.1	23489.1
67.5°	1939.6	1921.5	1938.1	1822.0	1612.6	3416.5	8168.3	16720.8	25198.1	25454.3
70°	1724.1	1703.0	1757.2	1657.8	1268.9	1553.8	5277.7	15747.3	26893.5	27374.3
72.5°	1404.6	1380.5	1507.1	1461.8	1068.5	997.7	2650.9	13433.9	26715.7	27713.3
75°	1079.1	1065.5	1216.2	1253.9	871.1	785.2	1272.0	9985.8	23510.2	24515.4
77.5°	837.9	827.4	904.2	1041.4	702.3	608.9	782.2	6334.2	17717.0	17893.3
80°	628.4	598.3	669.1	806.3	547.1	444.6	530.5	3693.8	11199.0	10151.6
82.5°	393.3	378.3	437.0	538.0	385.8	305.9	345.1	2040.6	4488.0	2643.4
85°	224.6	218.5	238.1	307.4	209.5	176.3	197.4	901.2	819.8	563.6
87.5°	90.4	87.4	108.5	137.1	76.9	64.8	69.3	217.0	180.8	167.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953572  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5719.3	0°	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3	5719.3
5741.9	2.5°	5735.9	5735.9	5714.8	5681.6	5643.9	5619.8	5580.6	5570.1	5529.4	5517.4
5793.1	5°	5805.2	5793.1	5728.3	5634.9	5506.8	5389.3	5259.6	5178.3	5063.7	5023.0
5894.1	7.5°	5892.6	5859.5	5747.9	5543.0	5274.7	5011.0	4736.7	4528.7	4329.8	4259.0
5977.0	10°	5972.5	5925.8	5735.9	5377.2	4913.0	4456.4	4019.3	3713.4	3481.3	3386.4
6068.9	12.5°	6052.4	5966.5	5656.0	5101.4	4399.1	3779.7	3314.0	3075.9	2932.7	2818.2
6144.3	15°	6127.7	6007.1	5532.4	4732.2	3835.5	3207.0	2863.4	2673.5	2559.0	2483.6
6254.3	17.5°	6215.1	6041.8	5347.1	4263.5	3299.0	2810.7	2530.4	2415.8	2393.2	2384.2
6405.0	20°	6337.2	6073.5	5102.9	3739.0	2904.1	2494.2	2349.5	2339.0	2337.5	2332.9
6585.9	22.5°	6468.3	6111.1	4780.4	3262.8	2568.0	2296.8	2271.1	2250.0	2236.5	2235.0
6804.4	25°	6623.5	6123.2	4376.5	2872.5	2281.7	2203.3	2173.2	2141.5	2132.5	2132.5
7053.0	27.5°	6774.2	6082.5	3906.3	2533.4	2120.4	2117.4	2078.2	2067.7	2066.2	2070.7
7336.4	30°	6924.9	6005.6	3439.1	2219.9	2027.0	2027.0	2013.4	2021.0	2027.0	2042.1
7725.2	32.5°	7128.4	5924.3	3048.8	1987.8	1945.6	1930.5	1944.1	1959.2	1965.2	1984.8
8236.1	35°	7426.8	5867.0	2738.3	1861.2	1861.2	1841.6	1849.2	1846.2	1832.6	1823.5
8854.0	37.5°	7821.6	5864.0	2482.1	1802.4	1790.4	1787.4	1788.9	1769.3	1716.5	1653.2
9601.5	40°	8296.4	5945.4	2284.7	1761.8	1752.7	1770.8	1761.8	1709.0	1564.3	1454.3
10520.8	42.5°	8933.9	6177.4	2158.1	1712.0	1739.1	1761.8	1725.6	1543.2	1445.3	1371.4
11568.2	45°	9684.4	6554.2	2093.3	1659.3	1713.5	1740.7	1565.8	1486.0	1407.6	1318.7
12710.6	47.5°	10534.4	7028.9	2078.2	1609.5	1656.3	1672.8	1498.0	1461.8	1372.9	1276.5
13858.9	50°	11459.7	7591.1	2118.9	1550.8	1573.4	1516.1	1475.4	1442.3	1350.3	1255.4
15035.9	52.5°	12416.7	8210.5	2200.3	1470.9	1490.5	1427.2	1466.4	1437.7	1336.8	1208.7
16252.1	55°	13357.1	8834.4	2278.7	1377.5	1406.1	1347.3	1440.8	1419.7	1275.0	1130.3
17549.7	57.5°	14312.6	9455.3	2355.5	1294.6	1324.7	1270.5	1400.1	1371.4	1205.6	1058.0
18966.4	60°	15305.7	10058.1	2391.7	1214.7	1235.8	1199.6	1338.3	1288.5	1127.3	984.1
20358.9	62.5°	16235.6	10560.0	2332.9	1134.8	1148.4	1133.3	1256.9	1190.6	1048.9	901.2
21810.2	65°	17168.4	10858.4	2152.1	1056.4	1059.5	1051.9	1142.4	1085.1	957.0	828.9
23080.6	67.5°	18013.9	11025.7	1864.2	972.1	964.5	961.5	1035.4	970.5	868.1	756.5
24046.7	70°	18193.2	10600.7	1424.2	872.6	872.6	865.1	917.8	851.5	770.1	679.7
23354.9	72.5°	16616.9	8917.3	1011.2	759.6	771.6	756.5	800.2	744.5	670.6	610.4
20128.3	75°	13399.3	6539.1	735.4	643.5	664.6	639.0	679.7	640.5	577.2	575.7
13871.0	77.5°	9206.6	4043.4	533.5	530.5	545.6	512.4	559.1	538.0	480.8	455.1
6037.3	80°	3928.9	1612.6	388.8	409.9	409.9	379.8	434.0	440.1	390.3	378.3
1165.0	82.5°	782.2	458.1	272.8	281.8	265.2	256.2	307.4	340.6	470.2	523.0
351.1	85°	235.1	168.8	164.3	153.7	135.6	137.1	180.8	342.1	422.0	241.1
116.0	87.5°	64.8	42.2	43.7	34.7	28.6	37.7	61.8	259.2	141.7	60.3
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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<u>180°</u>
5719.3
5536.9
5053.2
4268.0
3407.5
2855.9
2497.2
2390.2
2348.0
2251.5
2141.5
2082.8
2052.6
2001.4
1844.6
1654.8
1451.3
1368.4
1312.7
1268.9
1244.8
1199.6
1122.8
1054.9
979.6
899.7
819.8
747.5
676.7
592.3
518.4
426.5
378.3
524.5
208.0
51.2
0.0

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