

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: P953033

Luminaire Tested: **GALN-SB6C-950-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953033  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-950-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

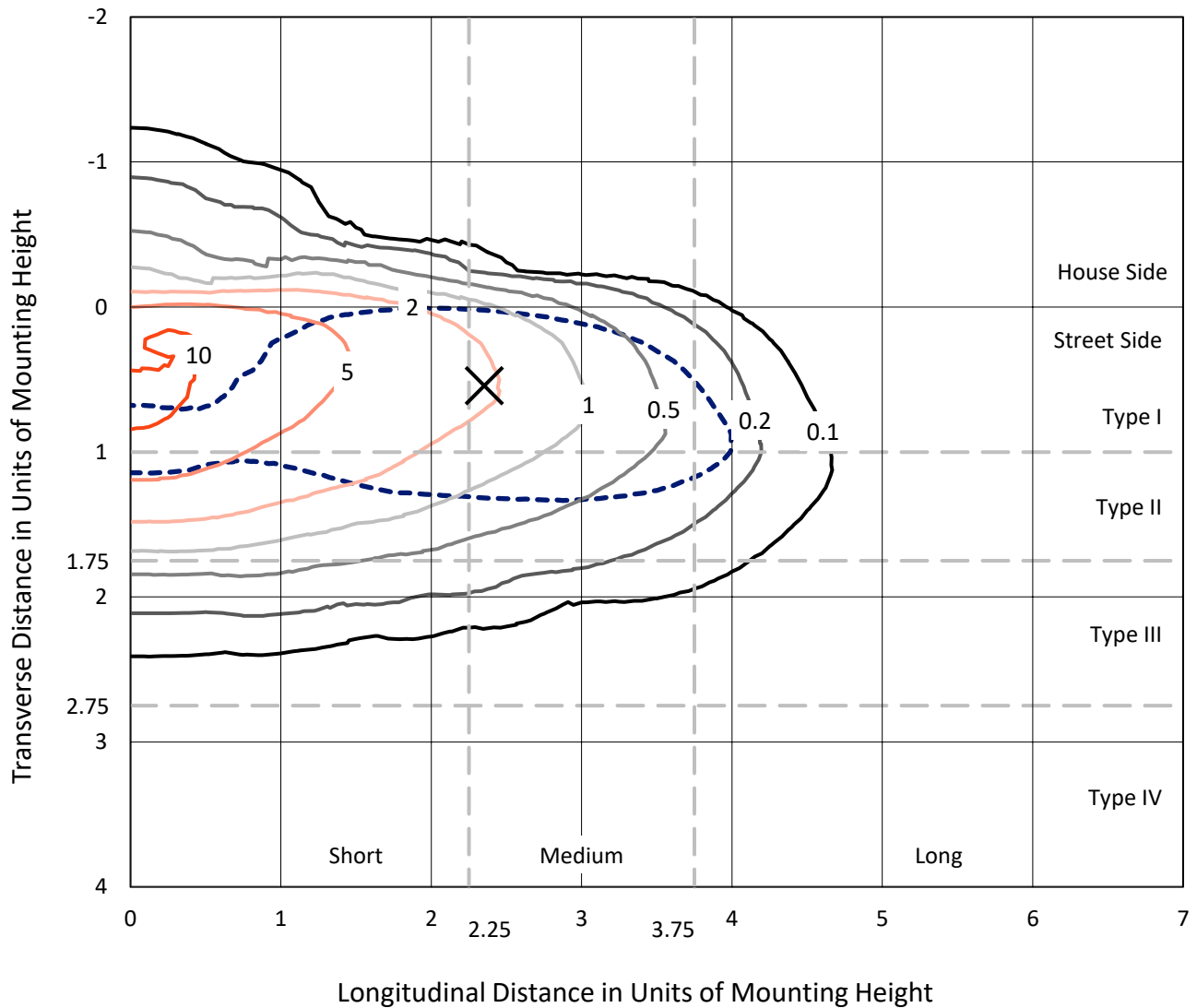
Lumens per Lamp: N/A  
Luminaire Lumens: 26749 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

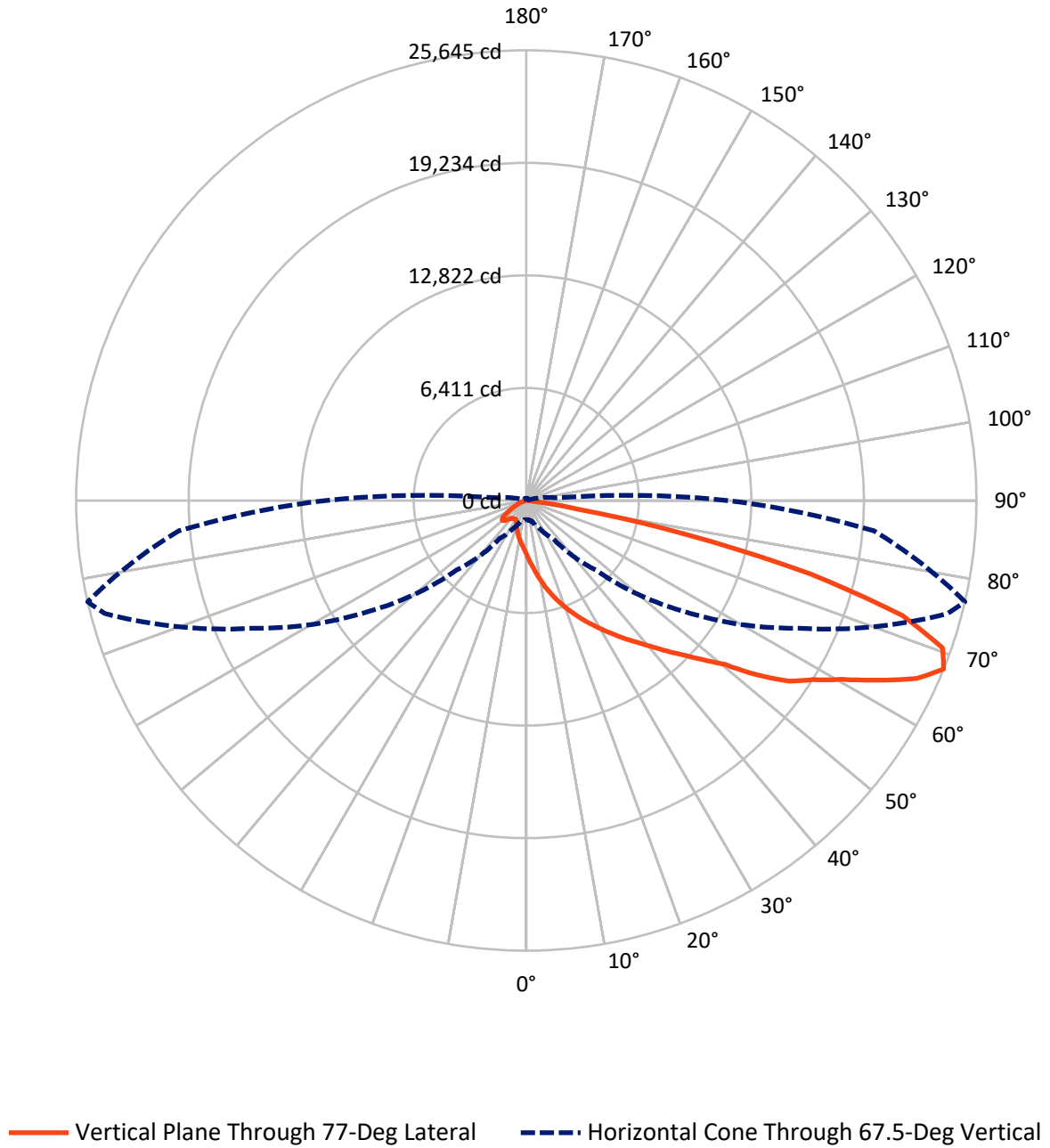
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1967.9	0.0	1967.9
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	24781.1	0.0	24781.1
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	26749.0	0.0	26749.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.8	1.2
10°-20°	1102.5	4.1
20°-30°	2127.5	8.0
30°-40°	3693.5	13.8
40°-50°	5362.7	20.0
50°-60°	6158.4	23.0
60°-70°	5346.7	20.0
70°-80°	2518.3	9.4
80°-90°	124.5	0.5
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°	26749.0	100.0
0°-180°	26749.0	100.0

**Coefficient of Utilization**



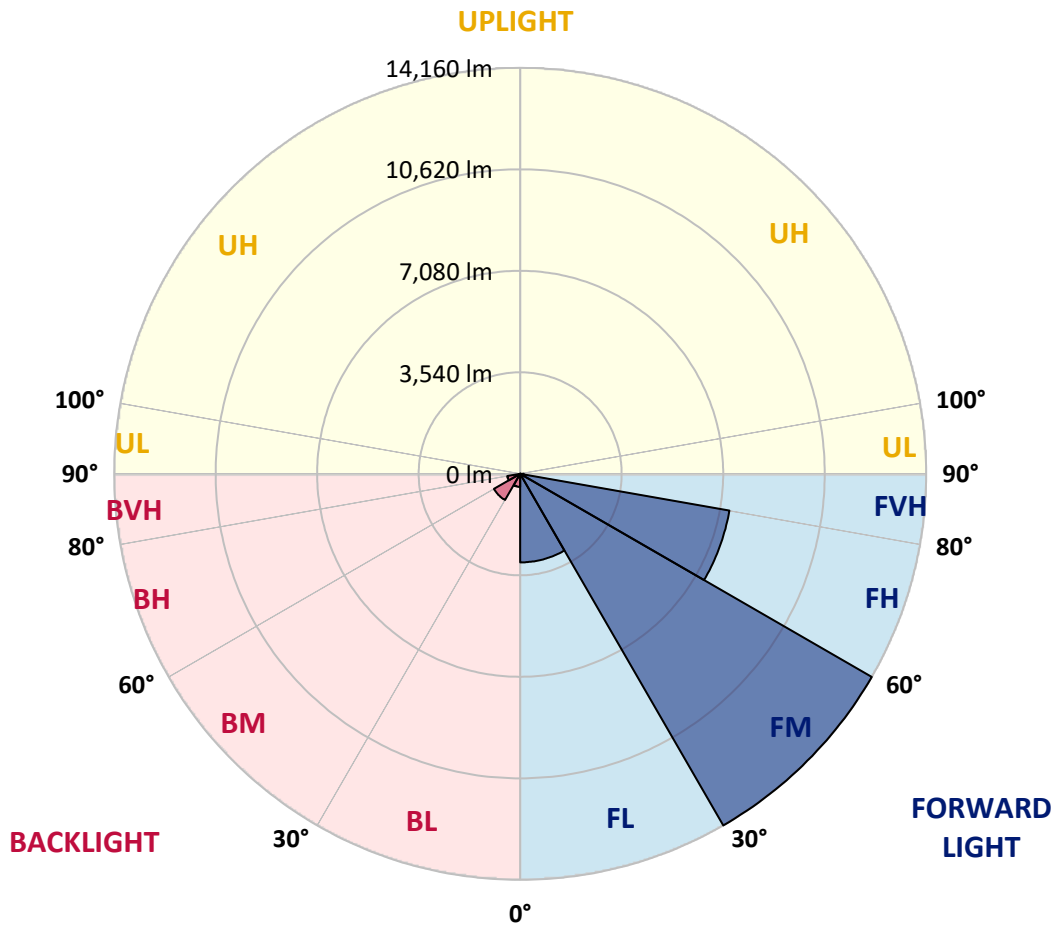
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3089.2	11.5			
FM (30°-60°)	14160.2	52.9			
FH (60°-80°)	7409.4	27.7			G3/7500
FVH (80°-90°)	122.3	0.5			G2/225
BL (0°-30°)	455.6	1.7	B1/500		
BM (30°-60°)	1054.4	3.9	B2/2500		
BH (60°-80°)	455.6	1.7	B1/500		G1/500
BVH (80°-90°)	2.3	0.0			G0/10
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°	77°
0°	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6
2.5°	4270.5	4297.1	4258.9	4185.8	4076.2	4004.8	3830.4	3665.9	3483.2	3425.1
5°	5205.7	5229.0	5185.8	5106.0	4959.9	4820.3	4591.1	4247.3	3890.2	3775.5
7.5°	5898.4	5911.6	5895.0	5821.9	5682.4	5524.6	5268.8	4861.9	4332.0	4205.8
10°	6396.7	6439.9	6434.9	6406.6	6313.6	6185.7	5913.3	5449.9	4827.0	4664.2
12.5°	6727.2	6775.4	6803.6	6866.7	6861.8	6780.4	6541.2	6051.2	5320.3	5129.3
15°	6823.6	6875.0	6983.0	7129.2	7258.7	7300.3	7132.5	6640.8	5863.5	5619.3
17.5°	6768.7	6848.5	6978.0	7208.9	7493.0	7680.7	7662.4	7210.6	6356.8	6077.7
20°	6890.0	6966.4	7067.7	7262.1	7592.6	7933.1	8069.3	7755.4	6846.8	6554.5
22.5°	7561.1	7547.8	7557.7	7589.3	7787.0	8124.2	8404.9	8250.4	7331.8	7032.8
25°	8624.1	8564.3	8463.0	8291.9	8242.1	8404.9	8697.2	8688.9	7843.4	7522.9
27.5°	9843.3	9833.4	9595.8	9183.9	8951.3	8888.2	9027.8	9115.8	8350.1	8007.9
30°	11011.0	11037.6	10717.0	10258.6	9831.7	9584.2	9458.0	9521.1	8865.0	8531.1
32.5°	12027.6	12055.8	11707.0	11170.5	10642.3	10343.3	10077.5	9921.4	9426.4	9062.6
35°	12886.4	12914.6	12514.3	11921.3	11358.2	11087.4	10786.8	10359.9	9991.2	9652.3
37.5°	13653.8	13645.5	13108.9	12511.0	11957.8	11743.6	11585.8	10899.8	10572.5	10245.3
40°	14107.2	14142.1	13683.7	13024.2	12487.7	12331.6	12321.6	11569.1	11243.6	10926.3
42.5°	14240.1	14301.6	13969.4	13427.9	12941.2	12771.7	13032.5	12293.4	12024.3	11715.3
45°	14000.9	14060.7	13909.6	13534.2	13250.1	13140.5	13643.8	13044.2	12858.1	12552.5
47.5°	13303.3	13378.0	13414.6	13334.8	13331.5	13442.8	14191.9	13834.8	13848.1	13535.8
50°	11952.9	12079.1	12414.6	12697.0	13133.9	13682.0	14725.1	14691.9	14964.3	14695.2
52.5°	9497.8	9677.2	10833.3	11605.7	12587.4	13637.1	15311.5	16067.2	16922.7	16529.0
55°	7632.5	7632.5	8572.6	10017.7	11521.0	13341.5	15567.3	16960.9	18256.5	18163.5
57.5°	6222.3	6297.0	6896.6	8174.0	9977.9	12637.2	15725.1	17522.3	19331.2	19263.1
60°	3840.3	4001.4	5134.3	6395.0	8222.2	11383.1	15625.4	18090.4	20635.1	20689.9
62.5°	2162.7	2222.5	2727.4	4601.1	6393.3	9697.2	14863.0	18407.7	22302.8	22535.3
65°	1493.3	1523.2	1717.5	2863.6	4431.7	7720.5	13373.0	18210.0	23973.8	24443.9
67.5°	1084.7	1099.6	1220.9	1749.1	2629.4	5597.7	11037.6	17213.4	24859.1	25644.8
70°	833.8	843.8	931.8	1149.4	1553.1	3455.0	8016.2	15231.7	24218.0	25156.5
72.5°	677.7	687.7	755.8	850.5	1029.8	2043.1	4858.5	12369.8	21387.6	22400.8
75°	571.4	584.7	646.1	707.6	807.3	1312.2	2278.9	8614.2	16083.9	16748.3
77.5°	317.3	292.3	524.9	586.3	681.0	830.5	1066.4	5069.5	9007.8	9192.2
80°	197.7	204.3	416.9	471.7	523.2	418.6	488.3	1951.7	3122.8	2966.6
82.5°	11.6	26.6	320.6	340.5	358.8	179.4	184.4	662.8	752.5	691.0
85°	0.0	0.0	146.2	117.9	124.6	51.5	53.2	154.5	101.3	109.6
87.5°	0.0	0.0	0.0	3.3	0.0	5.0	10.0	13.3	5.0	6.6
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°
3084.6	0°	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6	3084.6
3242.4	2.5°	3126.1	3009.8	2773.9	2543.1	2355.4	2180.9	2056.4	1938.4	1878.6	1875.3
3451.6	5°	3220.8	2976.6	2504.8	2087.9	1752.4	1483.3	1308.9	1184.3	1121.2	1099.6
3709.1	7.5°	3353.6	2986.6	2269.0	1689.3	1294.0	1063.1	963.4	923.5	910.3	895.3
3999.8	10°	3521.4	3009.8	2058.0	1360.4	1019.9	903.6	863.7	847.1	837.2	827.2
4327.0	12.5°	3709.1	3031.4	1848.7	1129.5	897.0	837.2	808.9	789.0	775.7	764.1
4662.5	15°	3891.8	3044.7	1631.1	968.4	833.8	785.7	755.8	734.2	715.9	702.6
4991.4	17.5°	4072.9	3063.0	1426.8	872.0	782.4	734.2	704.3	677.7	662.8	647.8
5336.9	20°	4273.9	3059.6	1234.2	803.9	730.9	682.7	651.1	626.2	611.3	594.7
5702.4	22.5°	4459.9	3043.0	1064.7	745.8	677.7	631.2	596.3	571.4	556.4	543.2
6076.1	25°	4674.2	3029.7	923.5	692.7	627.9	581.4	543.2	519.9	503.3	491.7
6451.5	27.5°	4880.1	3009.8	820.6	644.5	579.7	534.9	498.3	471.7	456.8	448.5
6838.5	30°	5082.8	3004.8	782.4	598.0	536.5	491.7	455.1	430.2	418.6	415.3
7263.7	32.5°	5327.0	3018.1	799.0	581.4	496.7	451.8	416.9	398.6	387.0	387.0
7737.1	35°	5587.7	3014.8	823.9	596.3	470.1	411.9	385.4	373.7	362.1	362.1
8262.0	37.5°	5915.0	3019.8	843.8	621.2	460.1	378.7	363.8	348.8	342.2	342.2
8836.7	40°	6403.3	3184.2	833.8	642.8	456.8	355.5	325.6	320.6	315.6	315.6
9486.2	42.5°	7001.3	3541.3	847.1	644.5	455.1	338.9	299.0	309.0	297.3	295.7
10218.7	45°	7655.7	3931.7	931.8	609.6	453.5	330.5	285.7	297.3	279.1	279.1
11067.5	47.5°	8305.2	4318.7	1018.2	559.8	448.5	328.9	274.1	267.4	262.4	264.1
12173.8	50°	9200.5	4634.3	1051.4	491.7	436.9	325.6	252.5	254.1	250.8	254.1
13733.5	52.5°	10175.5	4700.7	1011.6	415.3	403.6	315.6	237.5	244.2	242.5	245.8
14831.4	55°	10783.5	4629.3	835.5	345.5	352.1	275.7	222.6	235.9	235.9	235.9
15904.5	57.5°	11411.4	4325.4	593.0	280.7	292.3	225.9	209.3	227.6	225.9	224.2
17196.8	60°	11863.2	3833.7	390.3	230.9	232.5	186.0	194.3	214.3	212.6	204.3
18528.9	62.5°	12200.3	3290.5	250.8	196.0	177.7	167.8	177.7	194.3	187.7	169.4
19658.4	65°	12162.1	2538.1	192.7	167.8	146.2	146.2	154.5	169.4	149.5	119.6
19874.4	67.5°	11452.9	1717.5	159.5	141.2	122.9	121.3	127.9	141.2	127.9	101.3
18768.1	70°	10185.5	1122.9	127.9	109.6	98.0	89.7	103.0	121.3	108.0	81.4
15977.6	72.5°	8267.0	684.3	96.3	79.7	71.4	58.1	81.4	99.7	86.4	59.8
11110.7	75°	5348.6	348.8	66.4	51.5	38.2	34.9	59.8	74.7	59.8	36.5
4930.0	77.5°	2046.4	146.2	36.5	23.3	19.9	16.6	33.2	44.8	24.9	8.3
955.1	80°	393.7	61.5	18.3	11.6	10.0	6.6	5.0	3.3	0.0	0.0
169.4	82.5°	68.1	19.9	6.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
33.2	85°	23.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.6	87.5°	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
3084.6
1872.0
1096.3
892.0
823.9
760.8
701.0
646.1
593.0
541.5
490.0
448.5
413.6
387.0
362.1
342.2
315.6
294.0
279.1
264.1
254.1
245.8
235.9
224.2
204.3
166.1
116.3
98.0
78.1
56.5
31.6
6.6
0.0
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