

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: P952592

Luminaire Tested: **GALN-SB6B-927-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952592  
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-SB6B-927-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

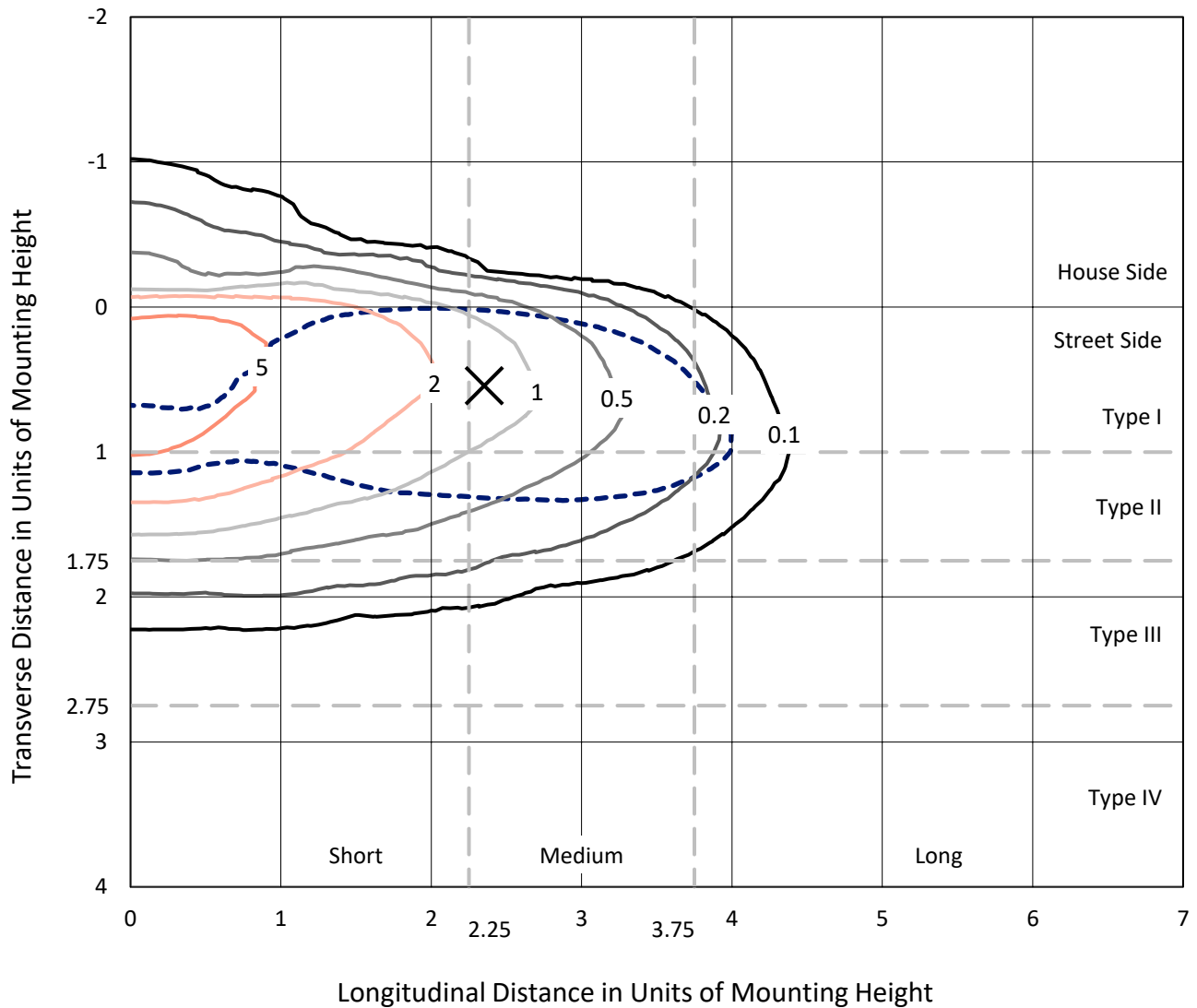
Lumens per Lamp: N/A  
Luminaire Lumens: 17598 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

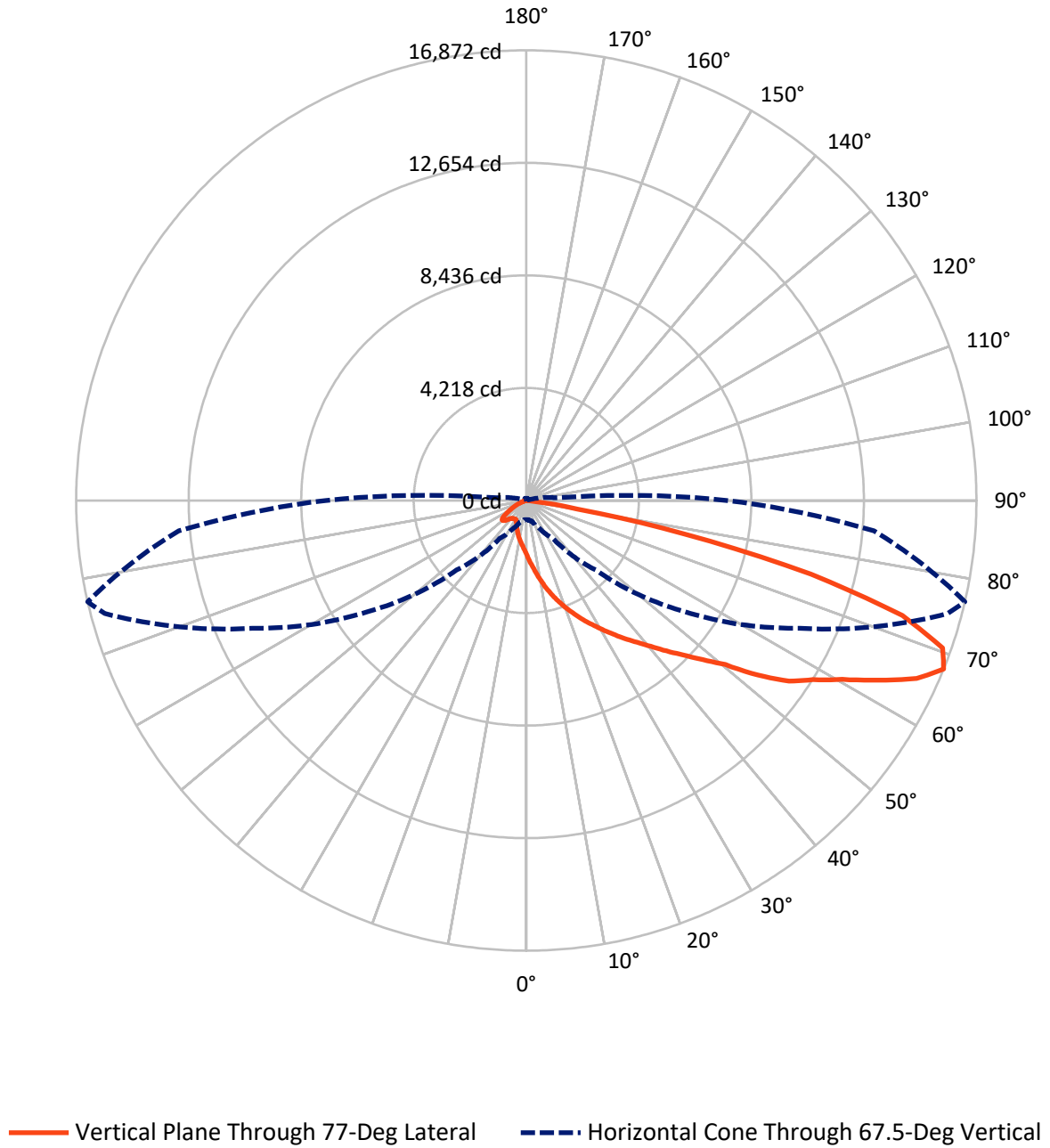
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	1294.7	0.0	1294.7
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	16303.3	0.0	16303.3
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	17598.0	0.0	17598.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.1	1.2
10°-20°	725.3	4.1
20°-30°	1399.7	8.0
30°-40°	2429.9	13.8
40°-50°	3528.1	20.0
50°-60°	4051.6	23.0
60°-70°	3517.5	20.0
70°-80°	1656.8	9.4
80°-90°	81.9	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°	17598.0	100.0
0°-180°	17598.0	100.0

**Coefficient of Utilization**



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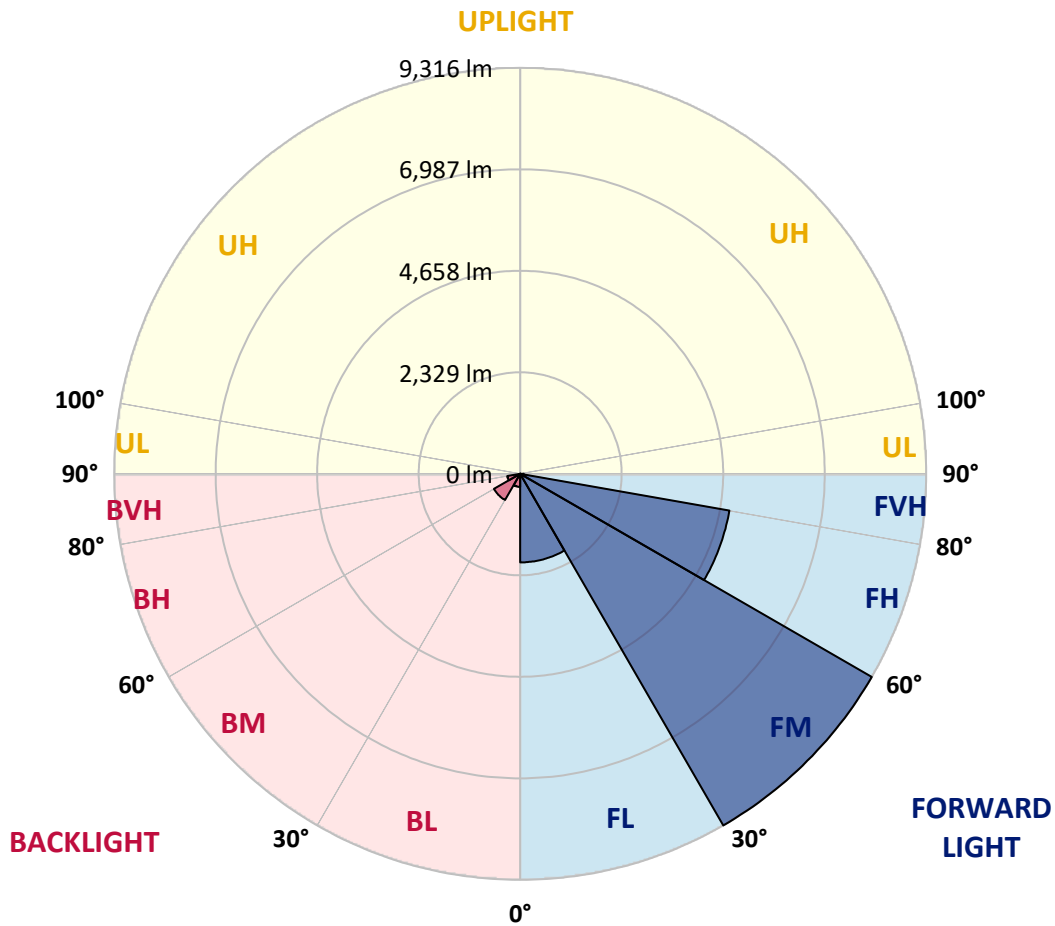
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2032.4	11.5			
FM (30°-60°)	9315.9	52.9			
FH (60°-80°)	4874.6	27.7			G2/5000
FVH (80°-90°)	80.4	0.5			G1/100
BL (0°-30°)	299.7	1.7	B1/500		
BM (30°-60°)	693.7	3.9	B1/1000		
BH (60°-80°)	299.7	1.7	B1/500		G1/500
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3
2.5°	2809.6	2827.0	2801.9	2753.8	2681.7	2634.7	2520.0	2411.8	2291.6	2253.3
5°	3424.8	3440.1	3411.7	3359.2	3263.1	3171.3	3020.5	2794.3	2559.3	2483.9
7.5°	3880.5	3889.2	3878.3	3830.2	3738.4	3634.6	3466.3	3198.6	2850.0	2766.9
10°	4208.3	4236.7	4233.5	4214.9	4153.7	4069.5	3890.3	3585.4	3175.6	3068.5
12.5°	4425.8	4457.5	4476.1	4517.6	4514.3	4460.8	4303.4	3981.0	3500.2	3374.5
15°	4489.2	4523.1	4594.1	4690.2	4775.5	4802.8	4692.4	4369.0	3857.5	3696.9
17.5°	4453.1	4505.6	4590.8	4742.7	4929.6	5053.1	5041.0	4743.8	4182.1	3998.5
20°	4532.9	4583.2	4649.8	4777.7	4995.1	5219.2	5308.8	5102.2	4504.5	4312.1
22.5°	4974.4	4965.6	4972.2	4993.0	5123.0	5344.8	5529.5	5427.9	4823.6	4626.9
25°	5673.8	5634.4	5567.8	5455.2	5422.4	5529.5	5721.8	5716.4	5160.1	4949.2
27.5°	6475.9	6469.3	6313.0	6042.0	5889.0	5847.5	5939.3	5997.2	5493.4	5268.3
30°	7244.1	7261.6	7050.7	6749.1	6468.2	6305.4	6222.3	6263.9	5832.2	5612.6
32.5°	7912.9	7931.5	7702.0	7349.0	7001.5	6804.8	6629.9	6527.2	6201.6	5962.3
35°	8477.9	8496.4	8233.1	7842.9	7472.5	7294.4	7096.6	6815.7	6573.1	6350.2
37.5°	8982.7	8977.3	8624.3	8230.9	7867.0	7726.0	7622.2	7170.9	6955.6	6740.3
40°	9281.1	9304.0	9002.4	8568.6	8215.6	8112.9	8106.3	7611.3	7397.1	7188.4
42.5°	9368.5	9408.9	9190.4	8834.1	8513.9	8402.5	8574.0	8087.7	7910.7	7707.4
45°	9211.1	9250.5	9151.0	8904.0	8717.2	8645.0	8976.2	8581.7	8459.3	8258.2
47.5°	8752.1	8801.3	8825.4	8772.9	8770.7	8843.9	9336.8	9101.8	9110.6	8905.1
50°	7863.7	7946.8	8167.5	8353.3	8640.7	9001.3	9687.6	9665.7	9844.9	9667.9
52.5°	6248.6	6366.6	7127.2	7635.3	8281.2	8971.8	10073.3	10570.5	11133.3	10874.3
55°	5021.4	5021.4	5639.9	6590.6	7579.6	8777.3	10241.6	11158.5	12010.8	11949.6
57.5°	4093.6	4142.8	4537.3	5377.6	6564.4	8313.9	10345.4	11527.8	12717.9	12673.1
60°	2526.5	2632.5	3377.8	4207.2	5409.3	7488.9	10279.9	11901.6	13575.7	13611.8
62.5°	1422.8	1462.2	1794.4	3027.0	4206.1	6379.7	9778.3	12110.3	14672.9	14825.9
65°	982.4	1002.1	1129.9	1884.0	2915.6	5079.3	8798.0	11980.2	15772.2	16081.5
67.5°	713.6	723.4	803.2	1150.7	1729.9	3682.7	7261.6	11324.6	16354.7	16871.6
70°	548.6	555.1	613.1	756.2	1021.8	2273.0	5273.8	10020.9	15932.9	16550.3
72.5°	445.9	452.4	497.2	559.5	677.5	1344.1	3196.4	8138.0	14070.7	14737.3
75°	375.9	384.7	425.1	465.5	531.1	863.3	1499.3	5667.2	10581.5	11018.6
77.5°	208.7	192.3	345.3	385.8	448.0	546.4	701.6	3335.2	5926.2	6047.5
80°	130.0	134.4	274.3	310.4	344.2	275.4	321.3	1284.0	2054.4	1951.7
82.5°	7.6	17.5	210.9	224.0	236.0	118.0	121.3	436.0	495.0	454.6
85°	0.0	0.0	96.2	77.6	82.0	33.9	35.0	101.6	66.7	72.1
87.5°	0.0	0.0	0.0	2.2	0.0	3.3	6.6	8.7	3.3	4.4
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°
2029.3	0°	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3	2029.3
2133.1	2.5°	2056.6	1980.1	1825.0	1673.1	1549.6	1434.8	1352.9	1275.3	1235.9	1233.8
2270.8	5°	2118.9	1958.3	1647.9	1373.6	1152.9	975.9	861.1	779.2	737.6	723.4
2440.2	7.5°	2206.3	1964.8	1492.7	1111.4	851.3	699.4	633.8	607.6	598.8	589.0
2631.4	10°	2316.7	1980.1	1354.0	895.0	671.0	594.5	568.2	557.3	550.8	544.2
2846.7	12.5°	2440.2	1994.3	1216.3	743.1	590.1	550.8	532.2	519.1	510.3	502.7
3067.5	15°	2560.4	2003.1	1073.1	637.1	548.6	516.9	497.2	483.0	471.0	462.2
3283.8	17.5°	2679.5	2015.1	938.7	573.7	514.7	483.0	463.3	445.9	436.0	426.2
3511.1	20°	2811.7	2012.9	811.9	528.9	480.8	449.1	428.4	412.0	402.1	391.2
3751.5	22.5°	2934.1	2002.0	700.5	490.7	445.9	415.3	392.3	375.9	366.1	357.3
3997.4	25°	3075.1	1993.2	607.6	455.7	413.1	382.5	357.3	342.0	331.1	323.5
4244.4	27.5°	3210.6	1980.1	539.8	424.0	381.4	351.9	327.8	310.4	300.5	295.1
4499.0	30°	3343.9	1976.9	514.7	393.4	353.0	323.5	299.4	283.0	275.4	273.2
4778.8	32.5°	3504.6	1985.6	525.6	382.5	326.7	297.2	274.3	262.3	254.6	254.6
5090.2	35°	3676.1	1983.4	542.0	392.3	309.3	271.0	253.5	245.9	238.2	238.2
5435.5	37.5°	3891.4	1986.7	555.1	408.7	302.7	249.2	239.3	229.5	225.1	225.1
5813.6	40°	4212.7	2094.9	548.6	422.9	300.5	233.9	214.2	210.9	207.6	207.6
6240.9	42.5°	4606.1	2329.8	557.3	424.0	299.4	222.9	196.7	203.3	195.6	194.5
6722.8	45°	5036.7	2586.6	613.1	401.1	298.3	217.5	188.0	195.6	183.6	183.6
7281.2	47.5°	5463.9	2841.2	669.9	368.3	295.1	216.4	180.3	175.9	172.7	173.8
8009.0	50°	6053.0	3048.9	691.7	323.5	287.4	214.2	166.1	167.2	165.0	167.2
9035.2	52.5°	6694.4	3092.6	665.5	273.2	265.5	207.6	156.3	160.6	159.5	161.7
9757.5	55°	7094.4	3045.6	549.7	227.3	231.7	181.4	146.4	155.2	155.2	155.2
10463.4	57.5°	7507.5	2845.6	390.1	184.7	192.3	148.6	137.7	149.7	148.6	147.5
11313.6	60°	7804.7	2522.2	256.8	151.9	153.0	122.4	127.9	141.0	139.9	134.4
12190.1	62.5°	8026.5	2164.8	165.0	128.9	116.9	110.4	116.9	127.9	123.5	111.5
12933.2	65°	8001.4	1669.8	126.8	110.4	96.2	96.2	101.6	111.5	98.4	78.7
13075.2	67.5°	7534.8	1129.9	104.9	92.9	80.9	79.8	84.1	92.9	84.1	66.7
12347.4	70°	6701.0	738.7	84.1	72.1	64.5	59.0	67.8	79.8	71.0	53.5
10511.5	72.5°	5438.8	450.2	63.4	52.5	47.0	38.2	53.5	65.6	56.8	39.3
7309.7	75°	3518.8	229.5	43.7	33.9	25.1	22.9	39.3	49.2	39.3	24.0
3243.4	77.5°	1346.3	96.2	24.0	15.3	13.1	10.9	21.9	29.5	16.4	5.5
628.4	80°	259.0	40.4	12.0	7.6	6.6	4.4	3.3	2.2	0.0	0.0
111.5	82.5°	44.8	13.1	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
21.9	85°	15.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.6	87.5°	5.5	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

(END O

180°
2029.3
1231.6
721.2
586.8
542.0
500.5
461.2
425.1
390.1
356.2
322.4
295.1
272.1
254.6
238.2
225.1
207.6
193.4
183.6
173.8
167.2
161.7
155.2
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