

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: P952319

Luminaire Tested: **GALN-SB6A-950-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952319
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-SB6A-950-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA 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: 16022 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

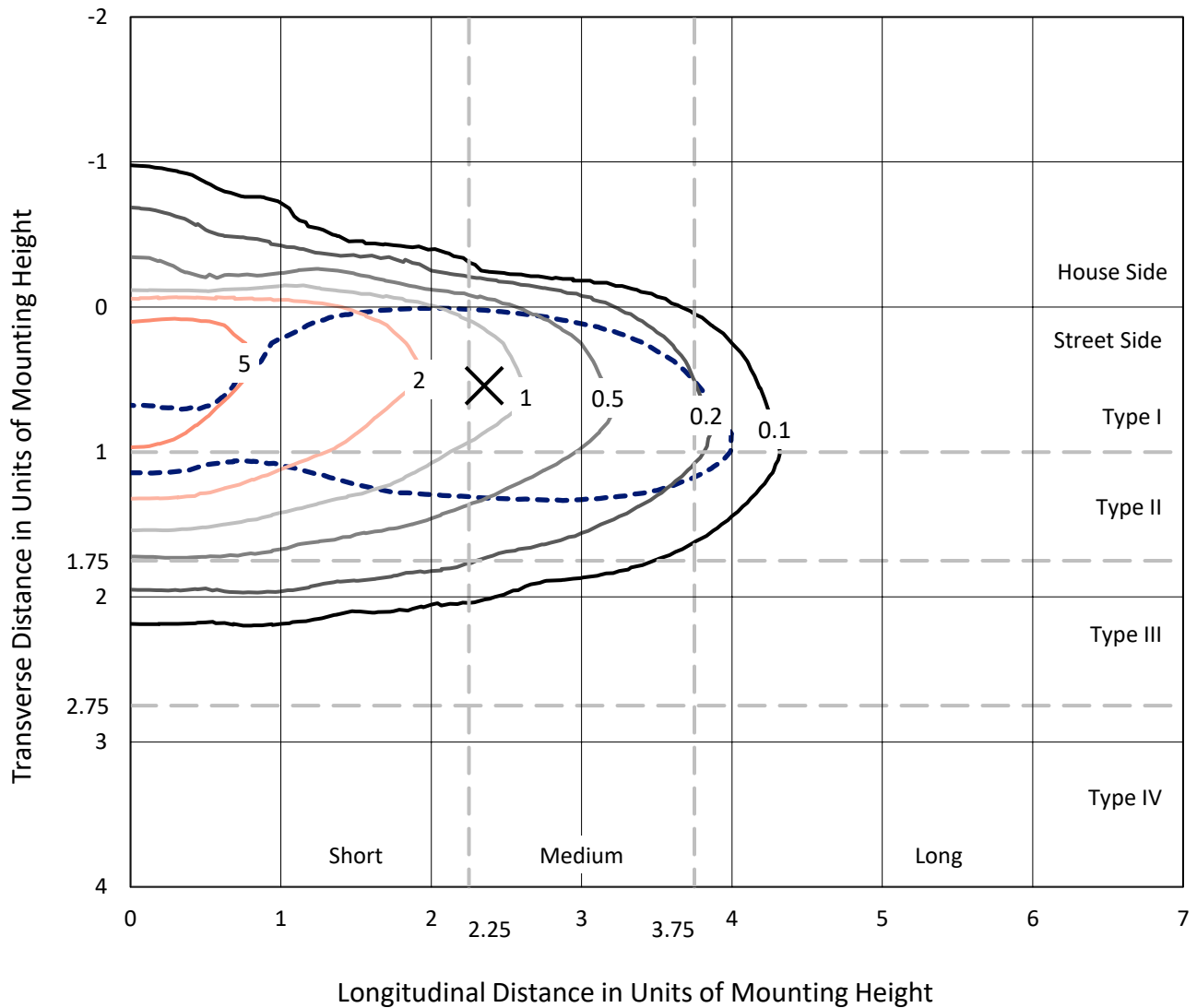
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

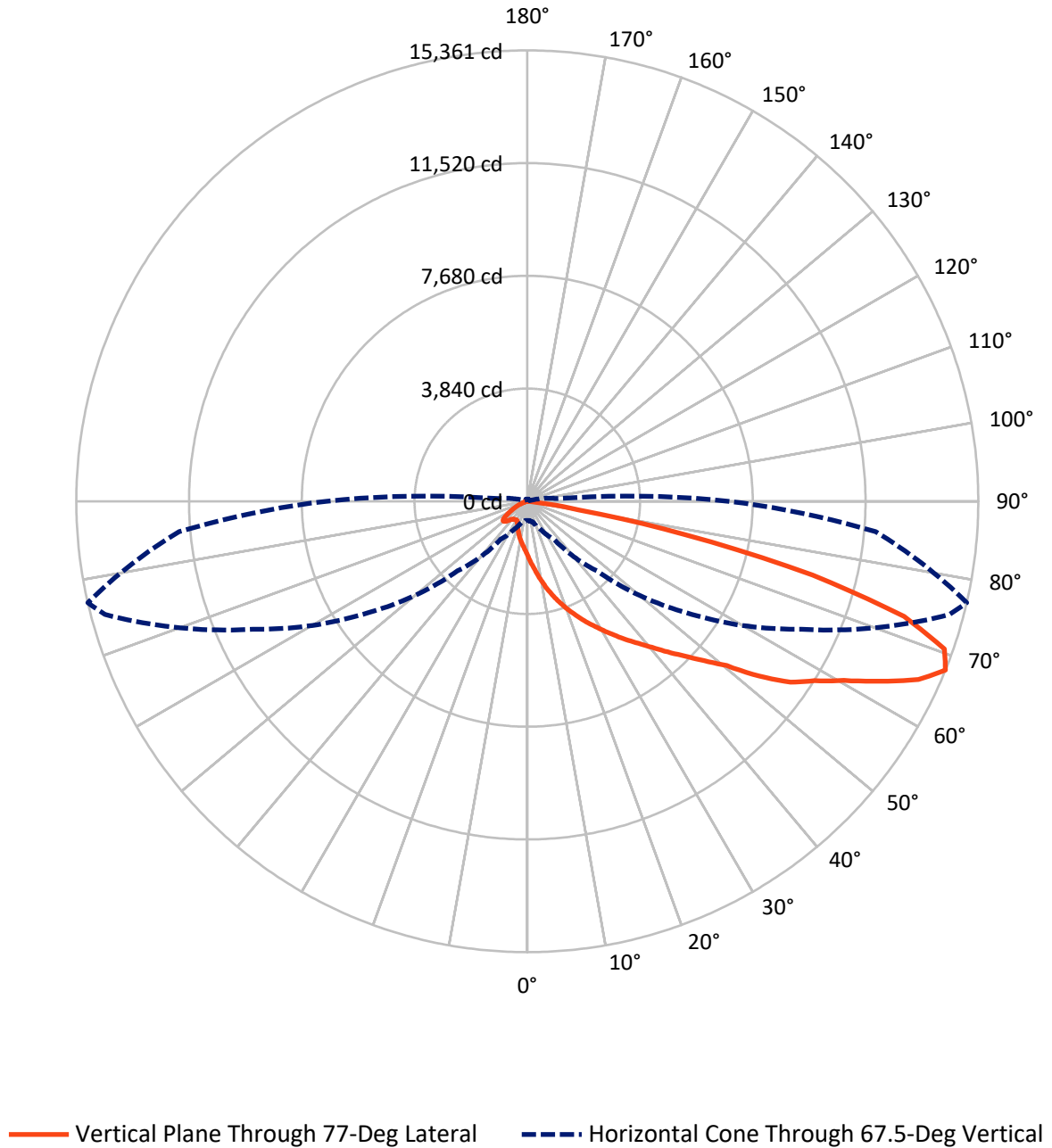
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.7	0.0	1178.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	14843.3	0.0	14843.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	16022.0	0.0	16022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	1.2
10°-20°	660.4	4.1
20°-30°	1274.3	8.0
30°-40°	2212.3	13.8
40°-50°	3212.1	20.0
50°-60°	3688.7	23.0
60°-70°	3202.5	20.0
70°-80°	1508.4	9.4
80°-90°	74.6	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°	16022.0	100.0
0°-180°	16022.0	100.0

Coefficient of Utilization



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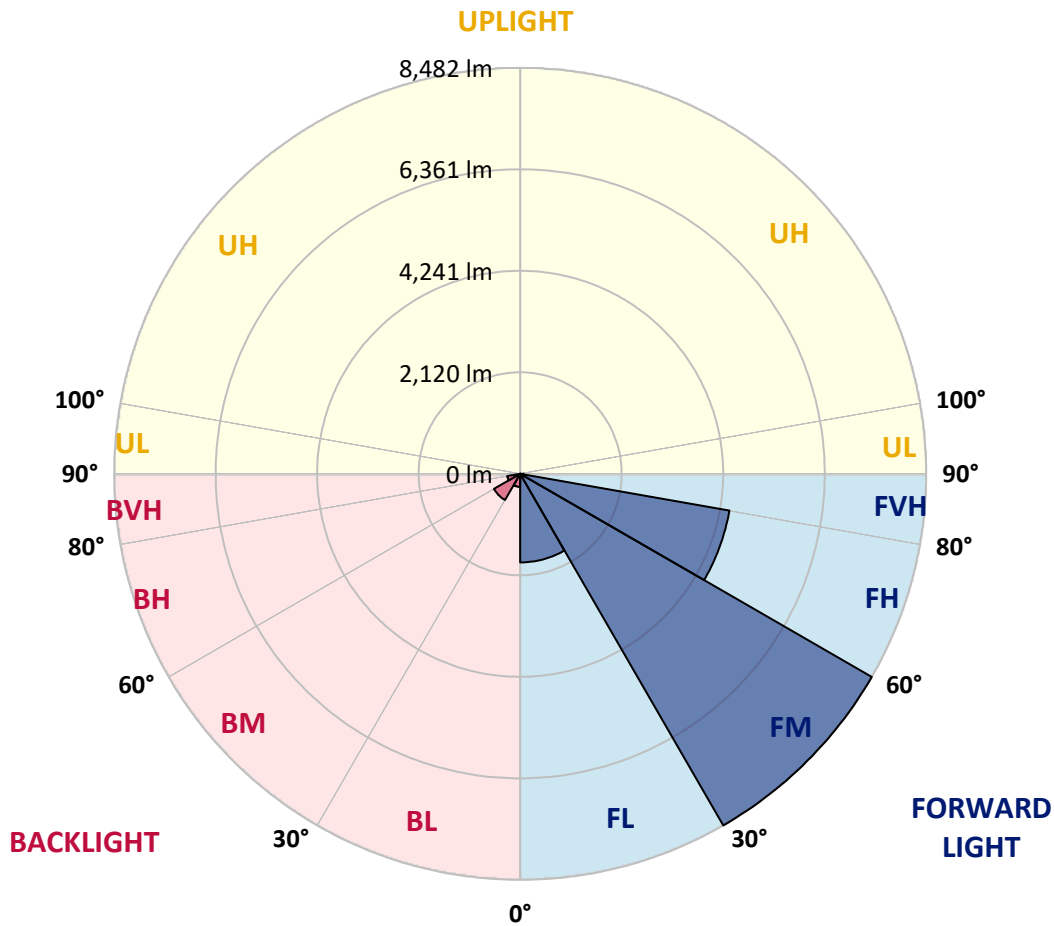
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1850.4	11.5			
FM (30°-60°)	8481.6	52.9			
FH (60°-80°)	4438.0	27.7			G2/5000
FVH (80°-90°)	73.2	0.5			G1/100
BL (0°-30°)	272.9	1.7	B1/500		
BM (30°-60°)	631.6	3.9	B1/1000		
BH (60°-80°)	272.9	1.7	B1/500		G1/500
BVH (80°-90°)	1.4	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°	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6
2.5°	2557.9	2573.9	2551.0	2507.2	2441.5	2398.8	2294.3	2195.8	2086.4	2051.5
5°	3118.1	3132.0	3106.1	3058.4	2970.8	2887.3	2750.0	2544.0	2330.1	2261.5
7.5°	3533.0	3540.9	3531.0	3487.2	3403.6	3309.1	3155.9	2912.1	2594.8	2519.1
10°	3831.4	3857.3	3854.3	3837.4	3781.7	3705.1	3541.9	3264.3	2891.2	2793.7
12.5°	4029.4	4058.3	4075.2	4113.0	4110.0	4061.3	3918.0	3624.5	3186.7	3072.3
15°	4087.1	4118.0	4182.7	4270.2	4347.8	4372.7	4272.2	3977.7	3512.1	3365.8
17.5°	4054.3	4102.1	4179.7	4318.0	4488.1	4600.5	4589.6	4319.0	3807.6	3640.4
20°	4126.9	4172.7	4233.4	4349.8	4547.8	4751.8	4833.3	4645.3	4101.1	3926.0
22.5°	4528.9	4520.9	4526.9	4545.8	4664.2	4866.2	5034.3	4941.8	4391.6	4212.5
25°	5165.6	5129.8	5069.1	4966.7	4936.8	5034.3	5209.4	5204.4	4698.0	4506.0
27.5°	5895.9	5889.9	5747.7	5500.9	5361.6	5323.8	5407.4	5460.1	5001.5	4796.5
30°	6595.3	6611.3	6419.2	6144.6	5888.9	5740.7	5665.1	5702.9	5309.9	5109.9
32.5°	7204.2	7221.2	7012.2	6690.9	6374.5	6195.4	6036.2	5942.7	5646.2	5428.3
35°	7718.6	7735.5	7495.8	7140.6	6803.3	6641.1	6461.0	6205.3	5984.5	5781.5
37.5°	8178.3	8173.3	7851.9	7493.8	7162.5	7034.1	6939.6	6528.7	6332.7	6136.7
40°	8449.9	8470.8	8196.2	7801.2	7479.8	7386.3	7380.3	6929.6	6734.6	6544.6
42.5°	8529.5	8566.3	8367.3	8043.0	7751.4	7650.0	7806.2	7363.4	7202.2	7017.2
45°	8386.2	8422.0	8331.5	8106.6	7936.5	7870.8	8172.3	7813.1	7701.7	7518.6
47.5°	7968.3	8013.1	8035.0	7987.2	7985.3	8051.9	8500.6	8286.7	8294.7	8107.6
50°	7159.5	7235.1	7436.1	7605.2	7866.9	8195.2	8820.0	8800.1	8963.3	8802.1
52.5°	5689.0	5796.4	6488.9	6951.5	7539.5	8168.3	9171.2	9623.9	10136.3	9900.5
55°	4571.7	4571.7	5134.8	6000.4	6900.8	7991.2	9324.4	10159.2	10935.2	10879.5
57.5°	3727.0	3771.8	4130.9	4896.0	5976.5	7569.4	9418.9	10495.4	11578.9	11538.1
60°	2300.3	2396.8	3075.3	3830.5	4924.9	6818.2	9359.2	10835.7	12359.9	12392.8
62.5°	1295.4	1331.2	1633.7	2755.9	3829.5	5808.4	8902.6	11025.7	13358.8	13498.1
65°	894.4	912.3	1028.8	1715.2	2654.5	4624.4	8010.1	10907.3	14359.7	14641.3
67.5°	649.7	658.6	731.3	1047.7	1575.0	3352.9	6611.3	10310.4	14890.0	15360.6
70°	499.5	505.4	558.2	688.5	930.3	2069.4	4801.5	9123.4	14506.0	15068.1
72.5°	405.9	411.9	452.7	509.4	616.9	1223.8	2910.1	7409.2	12810.6	13417.5
75°	342.3	350.2	387.0	423.8	483.5	786.0	1365.0	5159.7	9633.8	10031.8
77.5°	190.0	175.1	314.4	351.2	407.9	497.5	638.7	3036.5	5395.5	5505.9
80°	118.4	122.4	249.7	282.6	313.4	250.7	292.5	1169.0	1870.5	1776.9
82.5°	7.0	15.9	192.0	204.0	214.9	107.5	110.4	397.0	450.7	413.9
85°	0.0	0.0	87.6	70.6	74.6	30.8	31.8	92.5	60.7	65.7
87.5°	0.0	0.0	0.0	2.0	0.0	3.0	6.0	8.0	3.0	4.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1847.6	0°	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6	1847.6
1942.1	2.5°	1872.4	1802.8	1661.5	1523.2	1410.8	1306.3	1231.7	1161.1	1125.3	1123.3
2067.5	5°	1929.2	1782.9	1500.3	1250.6	1049.6	888.5	784.0	709.4	671.6	658.6
2221.7	7.5°	2008.7	1788.9	1359.1	1011.8	775.0	636.8	577.1	553.2	545.2	536.3
2395.8	10°	2109.2	1802.8	1232.7	814.8	610.9	541.2	517.4	507.4	501.4	495.5
2591.8	12.5°	2221.7	1815.7	1107.3	676.5	537.3	501.4	484.5	472.6	464.6	457.7
2792.7	15°	2331.1	1823.7	977.0	580.0	499.5	470.6	452.7	439.8	428.8	420.9
2989.7	17.5°	2439.6	1834.6	854.6	522.3	468.6	439.8	421.8	405.9	397.0	388.0
3196.7	20°	2559.9	1832.6	739.2	481.5	437.8	408.9	390.0	375.1	366.1	356.2
3415.6	22.5°	2671.4	1822.7	637.7	446.7	405.9	378.1	357.2	342.3	333.3	325.3
3639.4	25°	2799.7	1814.7	553.2	414.9	376.1	348.2	325.3	311.4	301.5	294.5
3864.3	27.5°	2923.1	1802.8	491.5	386.0	347.2	320.4	298.5	282.6	273.6	268.6
4096.1	30°	3044.5	1799.8	468.6	358.2	321.4	294.5	272.6	257.7	250.7	248.7
4350.8	32.5°	3190.7	1807.8	478.6	348.2	297.5	270.6	249.7	238.8	231.8	231.8
4634.4	35°	3346.9	1805.8	493.5	357.2	281.6	246.7	230.8	223.9	216.9	216.9
4948.7	37.5°	3542.9	1808.8	505.4	372.1	275.6	226.8	217.9	208.9	205.0	205.0
5293.0	40°	3835.4	1907.3	499.5	385.0	273.6	212.9	195.0	192.0	189.0	189.0
5682.0	42.5°	4193.6	2121.2	507.4	386.0	272.6	203.0	179.1	185.1	178.1	177.1
6120.8	45°	4585.6	2355.0	558.2	365.1	271.6	198.0	171.1	178.1	167.1	167.1
6629.2	47.5°	4974.6	2586.8	609.9	335.3	268.6	197.0	164.2	160.2	157.2	158.2
7291.8	50°	5510.9	2775.8	629.8	294.5	261.7	195.0	151.2	152.2	150.2	152.2
8226.0	52.5°	6094.9	2815.6	605.9	248.7	241.8	189.0	142.3	146.3	145.3	147.2
8883.7	55°	6459.0	2772.9	500.4	206.9	210.9	165.2	133.3	141.3	141.3	141.3
9526.4	57.5°	6835.1	2590.8	355.2	168.1	175.1	135.3	125.4	136.3	135.3	134.3
10300.4	60°	7105.7	2296.3	233.8	138.3	139.3	111.4	116.4	128.3	127.4	122.4
11098.4	62.5°	7307.7	1970.9	150.2	117.4	106.5	100.5	106.5	116.4	112.4	101.5
11774.9	65°	7284.8	1520.2	115.4	100.5	87.6	87.6	92.5	101.5	89.5	71.6
11904.3	67.5°	6860.0	1028.8	95.5	84.6	73.6	72.6	76.6	84.6	76.6	60.7
11241.6	70°	6100.9	672.6	76.6	65.7	58.7	53.7	61.7	72.6	64.7	48.8
9570.2	72.5°	4951.7	409.9	57.7	47.8	42.8	34.8	48.8	59.7	51.7	35.8
6655.0	75°	3203.7	208.9	39.8	30.8	22.9	20.9	35.8	44.8	35.8	21.9
2952.9	77.5°	1225.7	87.6	21.9	13.9	11.9	9.9	19.9	26.9	14.9	5.0
572.1	80°	235.8	36.8	10.9	7.0	6.0	4.0	3.0	2.0	0.0	0.0
101.5	82.5°	40.8	11.9	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19.9	85°	13.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0	87.5°	5.0	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

<u>180°</u>
1847.6
1121.3
656.6
534.3
493.5
455.7
419.9
387.0
355.2
324.3
293.5
268.6
247.7
231.8
216.9
205.0
189.0
176.1
167.1
158.2
152.2
147.2
141.3
134.3
122.4
99.5
69.6
58.7
46.8
33.8
18.9
4.0
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