

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: P948665

Luminaire Tested: **GALN-SB3C-927-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948665
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-SB3C-927-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 11580 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

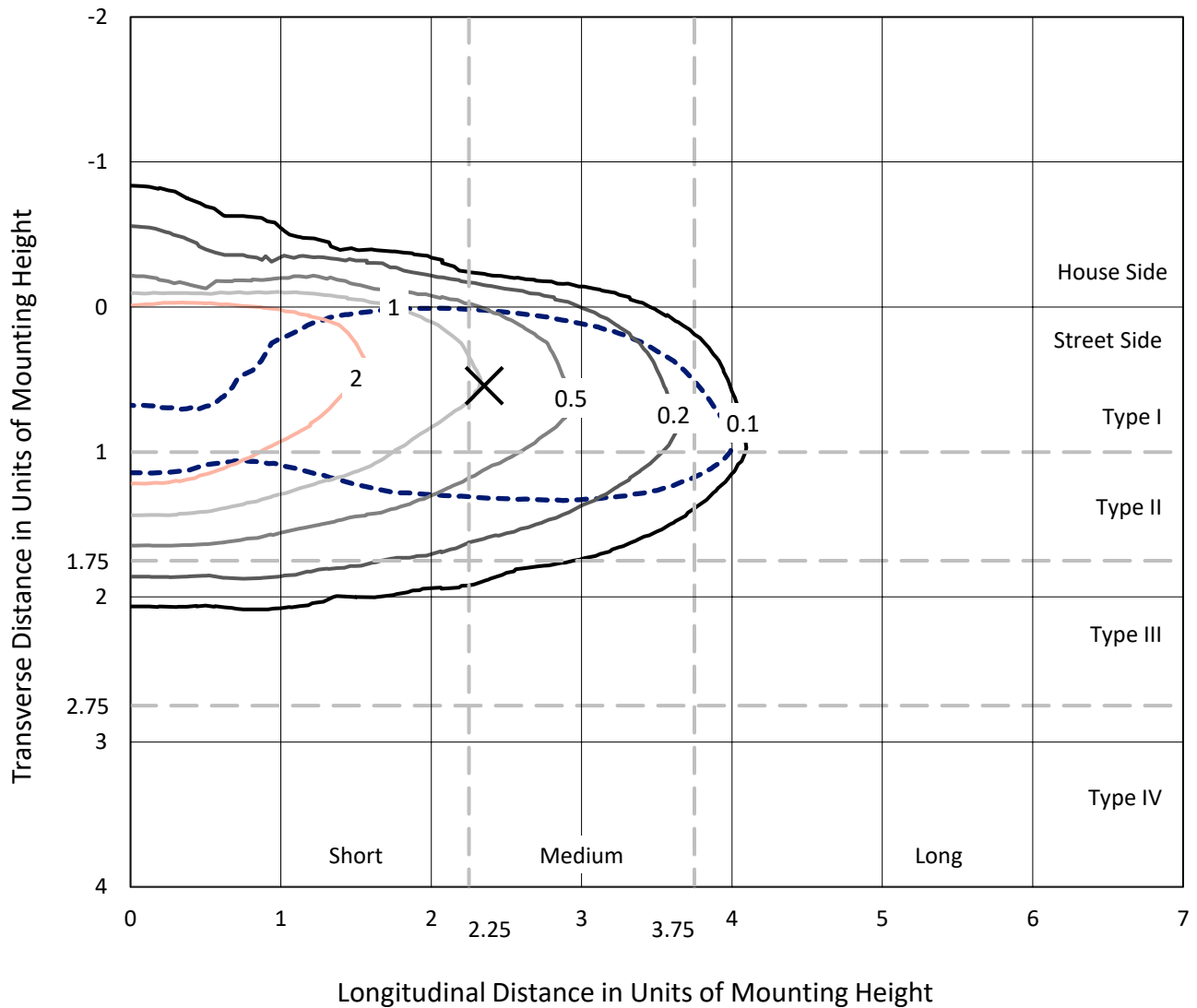
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948665
 CATALOG NUMBER: GALN-SB3C-927-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

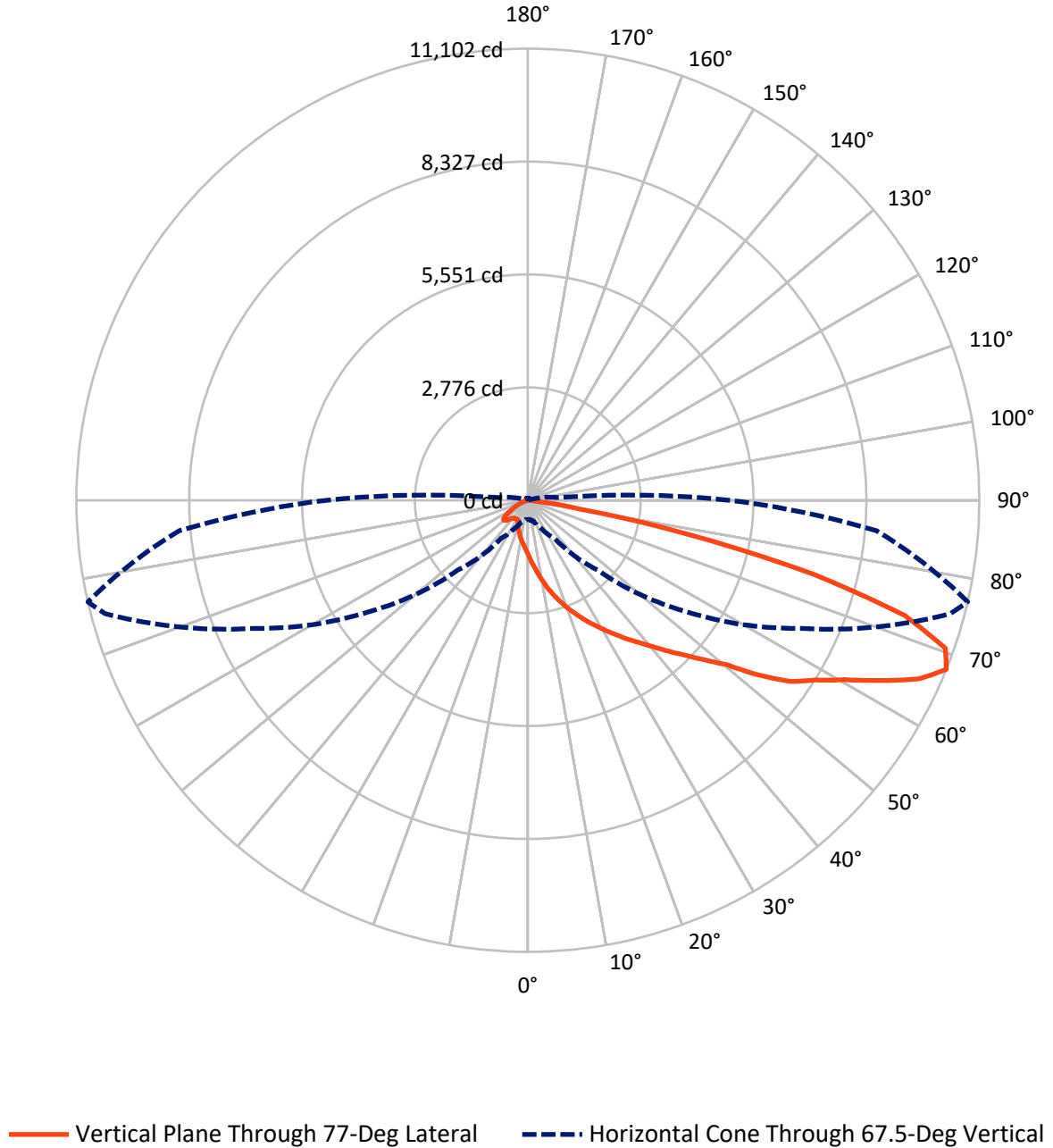
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - N/A

REPORT NUMBER: P948665
CATALOG NUMBER: GALN-SB3C-927-U-T2R-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	851.9	0.0	851.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	10728.0	0.0	10728.0
	% Fixture	92.6	0.0	92.6
Total	Lumens	11580.0	0.0	11580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	1.2
10°-20°	477.3	4.1
20°-30°	921.0	8.0
30°-40°	1599.0	13.8
40°-50°	2321.6	20.0
50°-60°	2666.1	23.0
60°-70°	2314.6	20.0
70°-80°	1090.2	9.4
80°-90°	53.9	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°	11580.0	100.0
0°-180°	11580.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948665

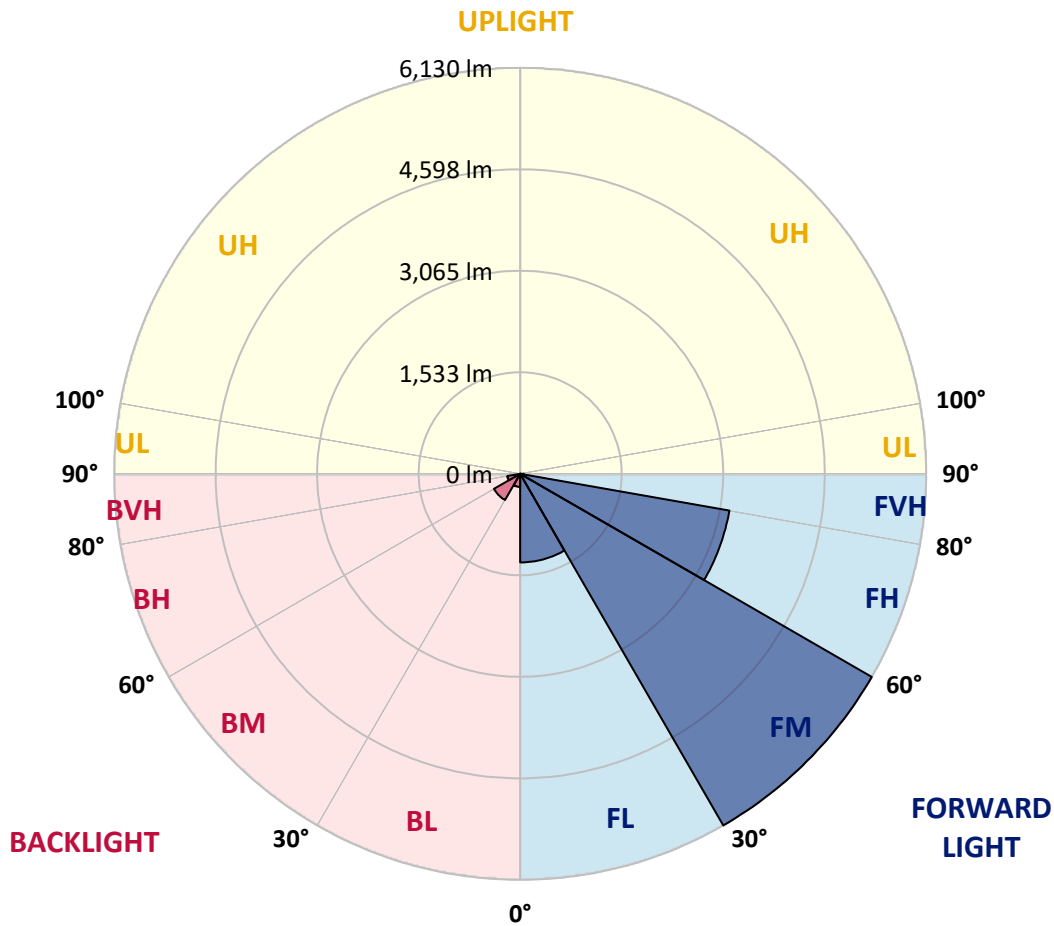
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1337.4	11.5			
FM (30°-60°)	6130.1	52.9			
FH (60°-80°)	3207.6	27.7			G2/5000
FVH (80°-90°)	52.9	0.5			G1/100
BL (0°-30°)	197.2	1.7	B1/500		
BM (30°-60°)	456.5	3.9	B1/1000		
BH (60°-80°)	197.2	1.7	B1/500		G1/500
BVH (80°-90°)	1.0	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



REPORT NUMBER: P948665
 CATALOG NUMBER: GALN-SB3C-927-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1848.8	1860.3	1843.7	1812.1	1764.6	1733.7	1658.2	1587.0	1507.9	1482.8
5°	2253.6	2263.7	2245.0	2210.5	2147.2	2086.8	1987.6	1838.7	1684.1	1634.5
7.5°	2553.5	2559.2	2552.0	2520.4	2460.0	2391.7	2280.9	2104.8	1875.4	1820.7
10°	2769.2	2787.9	2785.7	2773.5	2733.2	2677.9	2559.9	2359.3	2089.7	2019.2
12.5°	2912.3	2933.2	2945.4	2972.7	2970.5	2935.3	2831.8	2619.6	2303.2	2220.5
15°	2954.0	2976.3	3023.0	3086.3	3142.4	3160.4	3087.8	2874.9	2538.4	2432.7
17.5°	2930.3	2964.8	3020.9	3120.8	3243.8	3325.1	3317.1	3121.6	2751.9	2631.1
20°	2982.8	3015.9	3059.7	3143.8	3286.9	3434.4	3493.3	3357.4	2964.1	2837.5
22.5°	3273.3	3267.5	3271.8	3285.5	3371.1	3517.1	3638.6	3571.7	3174.0	3044.6
25°	3733.5	3707.6	3663.7	3589.7	3568.1	3638.6	3765.1	3761.5	3395.5	3256.7
27.5°	4261.3	4257.0	4154.2	3975.8	3875.2	3847.8	3908.2	3946.3	3614.8	3466.7
30°	4766.8	4778.3	4639.5	4441.1	4256.3	4149.1	4094.5	4121.8	3837.8	3693.2
32.5°	5206.9	5219.1	5068.1	4835.9	4607.2	4477.8	4362.7	4295.1	4080.8	3923.3
35°	5578.7	5590.9	5417.6	5160.9	4917.1	4799.9	4669.7	4484.9	4325.3	4178.6
37.5°	5910.9	5907.3	5675.0	5416.2	5176.7	5083.9	5015.6	4718.6	4577.0	4435.3
40°	6107.2	6122.3	5923.8	5638.4	5406.1	5338.5	5334.2	5008.4	4867.5	4730.2
42.5°	6164.7	6191.3	6047.5	5813.1	5602.4	5529.1	5642.0	5322.0	5205.5	5071.7
45°	6061.2	6087.1	6021.6	5859.1	5736.2	5688.7	5906.6	5647.0	5566.5	5434.1
47.5°	5759.2	5791.5	5807.3	5772.8	5771.4	5819.6	6143.9	5989.3	5995.0	5859.8
50°	5174.5	5229.2	5374.5	5496.7	5685.8	5923.1	6374.7	6360.3	6478.3	6361.8
52.5°	4111.7	4189.4	4689.9	5024.3	5449.2	5903.7	6628.5	6955.7	7326.1	7155.6
55°	3304.2	3304.2	3711.2	4336.8	4987.6	5775.7	6739.3	7342.6	7903.5	7863.2
57.5°	2693.7	2726.1	2985.6	3538.6	4319.6	5470.8	6807.6	7585.6	8368.7	8339.2
60°	1662.5	1732.3	2222.7	2768.5	3559.5	4927.9	6764.4	7831.6	8933.2	8956.9
62.5°	936.3	962.1	1180.7	1991.9	2767.8	4198.0	6434.4	7968.9	9655.2	9755.9
65°	646.5	659.4	743.5	1239.7	1918.5	3342.3	5789.4	7883.3	10378.6	10582.1
67.5°	469.6	476.0	528.5	757.2	1138.3	2423.3	4778.3	7451.9	10761.9	11102.0
70°	361.0	365.3	403.4	497.6	672.3	1495.7	3470.3	6594.0	10484.3	10890.6
72.5°	293.4	297.7	327.2	368.2	445.8	884.5	2103.3	5355.0	9259.0	9697.6
75°	247.4	253.1	279.7	306.3	349.5	568.1	986.6	3729.2	6962.9	7250.6
77.5°	137.3	126.6	227.2	253.8	294.8	359.5	461.7	2194.7	3899.6	3979.4
80°	85.6	88.4	180.5	204.2	226.5	181.2	211.4	844.9	1351.9	1284.3
82.5°	5.0	11.5	138.8	147.4	155.3	77.7	79.8	286.9	325.7	299.1
85°	0.0	0.0	63.3	51.1	53.9	22.3	23.0	66.9	43.9	47.5
87.5°	0.0	0.0	0.0	1.4	0.0	2.2	4.3	5.8	2.2	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948665
 CATALOG NUMBER: GALN-SB3C-927-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1335.3	0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
1403.7	2.5°	1353.3	1303.0	1200.9	1100.9	1019.7	944.2	890.2	839.2	813.3	811.8
1494.3	5°	1394.3	1288.6	1084.4	903.9	758.6	642.1	566.6	512.7	485.4	476.0
1605.7	7.5°	1451.8	1292.9	982.3	731.3	560.2	460.2	417.1	399.8	394.1	387.6
1731.6	10°	1524.5	1303.0	890.9	588.9	441.5	391.2	373.9	366.7	362.4	358.1
1873.2	12.5°	1605.7	1312.3	800.3	489.0	388.3	362.4	350.2	341.6	335.8	330.8
2018.5	15°	1684.8	1318.1	706.1	419.2	361.0	340.1	327.2	317.8	309.9	304.2
2160.9	17.5°	1763.2	1326.0	617.7	377.5	338.7	317.8	304.9	293.4	286.9	280.4
2310.4	20°	1850.2	1324.6	534.3	348.0	316.4	295.5	281.9	271.1	264.6	257.4
2468.6	22.5°	1930.7	1317.4	460.9	322.9	293.4	273.3	258.2	247.4	240.9	235.1
2630.4	25°	2023.5	1311.6	399.8	299.9	271.8	251.7	235.1	225.1	217.9	212.8
2792.9	27.5°	2112.7	1303.0	355.2	279.0	251.0	231.5	215.7	204.2	197.7	194.2
2960.5	30°	2200.4	1300.8	338.7	258.9	232.3	212.8	197.0	186.2	181.2	179.8
3144.6	32.5°	2306.1	1306.6	345.9	251.7	215.0	195.6	180.5	172.6	167.5	167.5
3349.5	35°	2419.0	1305.1	356.7	258.2	203.5	178.3	166.8	161.8	156.8	156.8
3576.7	37.5°	2560.7	1307.3	365.3	268.9	199.2	164.0	157.5	151.0	148.1	148.1
3825.5	40°	2772.1	1378.5	361.0	278.3	197.7	153.9	140.9	138.8	136.6	136.6
4106.7	42.5°	3031.0	1533.1	366.7	279.0	197.0	146.7	129.4	133.8	128.7	128.0
4423.8	45°	3314.3	1702.1	403.4	263.9	196.3	143.1	123.7	128.7	120.8	120.8
4791.3	47.5°	3595.4	1869.6	440.8	242.3	194.2	142.4	118.6	115.8	113.6	114.3
5270.2	50°	3983.0	2006.3	455.2	212.8	189.1	140.9	109.3	110.0	108.6	110.0
5945.4	52.5°	4405.1	2035.0	437.9	179.8	174.7	136.6	102.8	105.7	105.0	106.4
6420.7	55°	4668.3	2004.1	361.7	149.6	152.4	119.4	96.4	102.1	102.1	102.1
6885.3	57.5°	4940.1	1872.5	256.7	121.5	126.6	97.8	90.6	98.5	97.8	97.1
7444.7	60°	5135.7	1659.7	169.0	100.0	100.7	80.5	84.1	92.8	92.0	88.4
8021.4	62.5°	5281.7	1424.5	108.6	84.9	76.9	72.6	76.9	84.1	81.3	73.3
8510.4	65°	5265.2	1098.8	83.4	72.6	63.3	63.3	66.9	73.3	64.7	51.8
8603.9	67.5°	4958.1	743.5	69.0	61.1	53.2	52.5	55.4	61.1	55.4	43.9
8125.0	70°	4409.4	486.1	55.4	47.5	42.4	38.8	44.6	52.5	46.7	35.2
6916.9	72.5°	3578.9	296.3	41.7	34.5	30.9	25.2	35.2	43.1	37.4	25.9
4810.0	75°	2315.5	151.0	28.8	22.3	16.5	15.1	25.9	32.4	25.9	15.8
2134.2	77.5°	885.9	63.3	15.8	10.1	8.6	7.2	14.4	19.4	10.8	3.6
413.5	80°	170.4	26.6	7.9	5.0	4.3	2.9	2.2	1.4	0.0	0.0
73.3	82.5°	29.5	8.6	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
14.4	85°	10.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0	87.5°	3.6	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°
1335.3
810.4
474.6
386.1
356.7
329.3
303.5
279.7
256.7
234.4
212.1
194.2
179.1
167.5
156.8
148.1
136.6
127.3
120.8
114.3
110.0
106.4
102.1
97.1
88.4
71.9
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