

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: P952596

Luminaire Tested: **GALN-SB6B-927-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17304 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

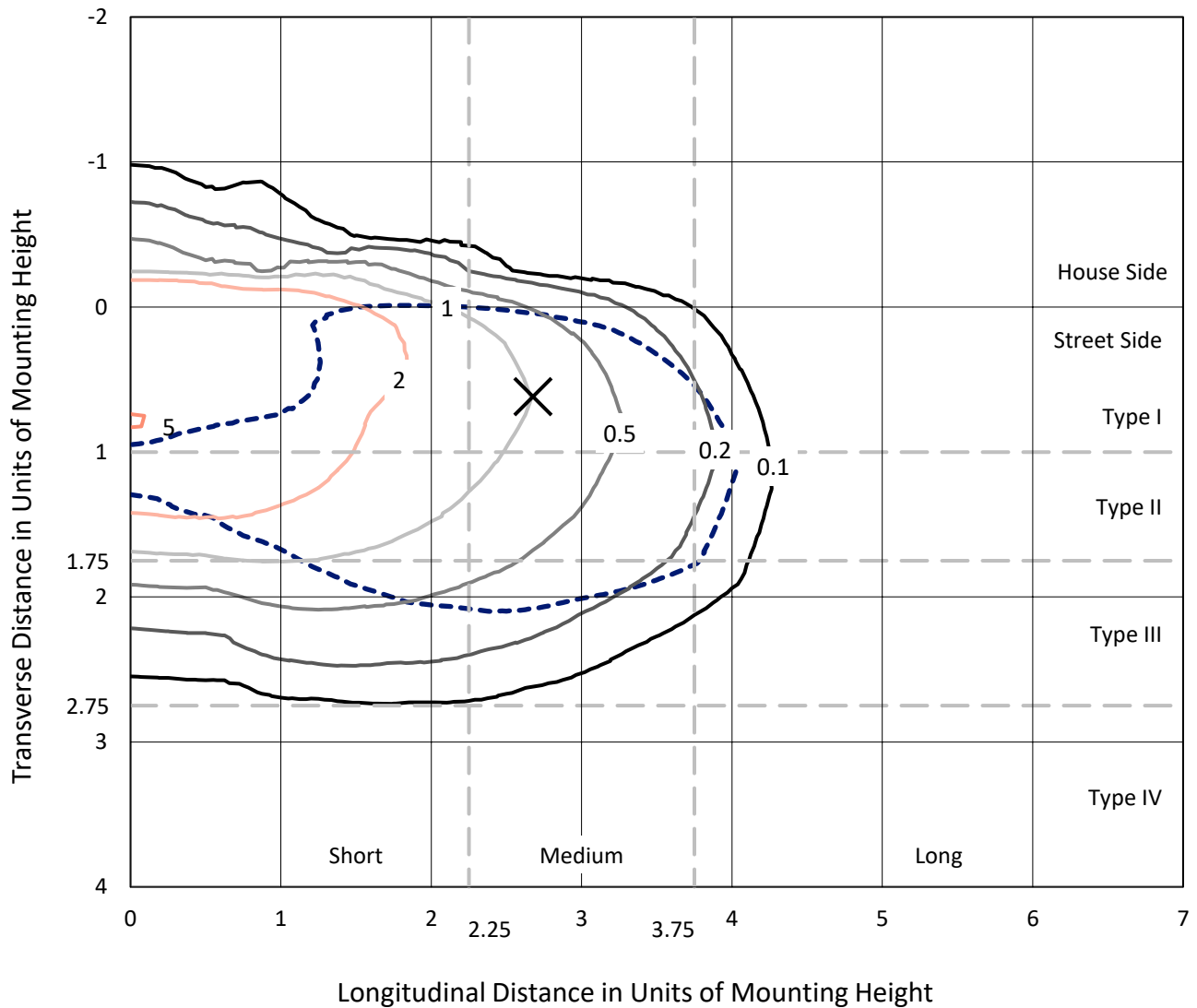
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

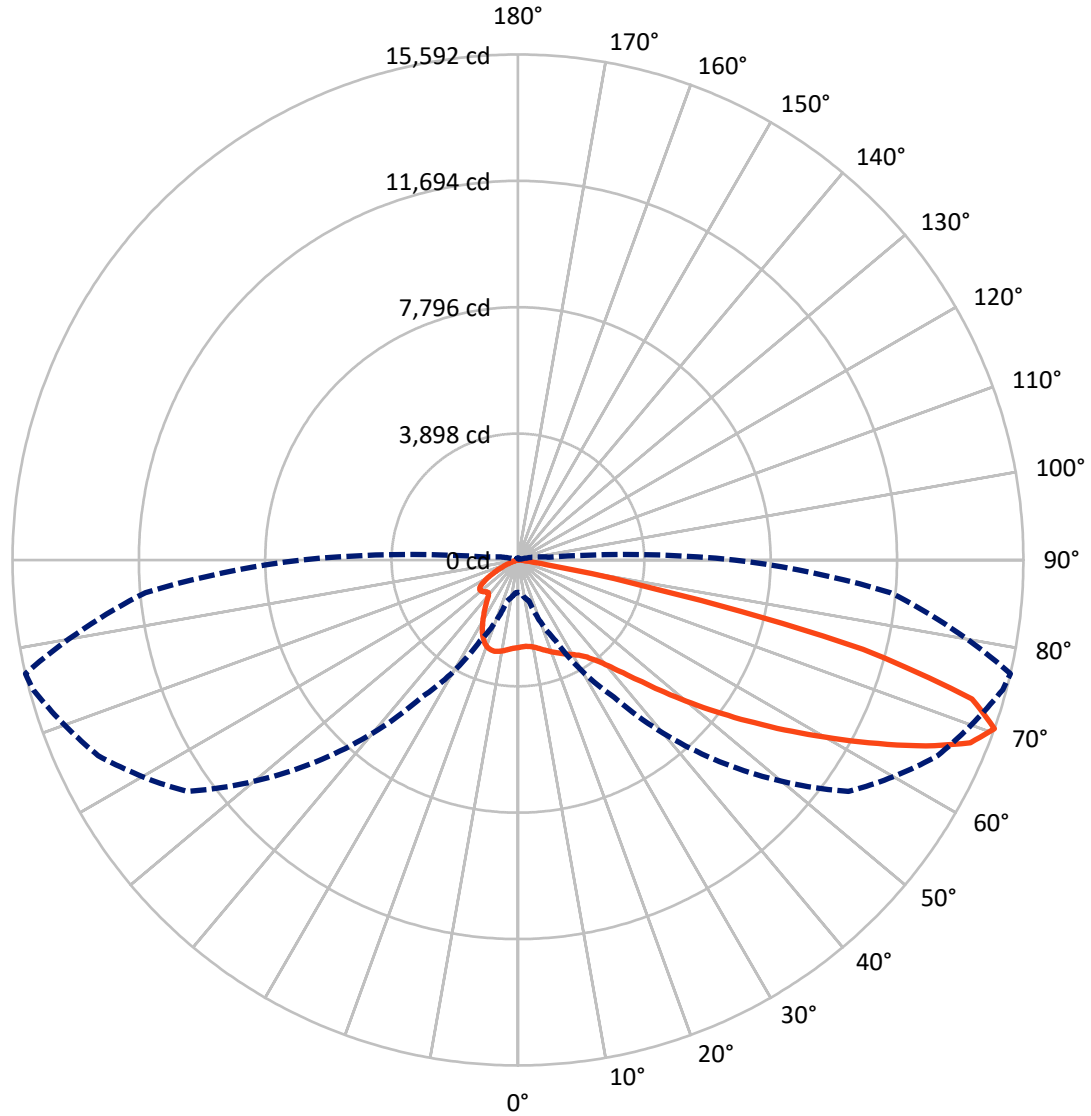
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1824.1	0.0	1824.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	15479.9	0.0	15479.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	17304.0	0.0	17304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.6	1.3
10°-20°	552.2	3.2
20°-30°	854.1	4.9
30°-40°	1549.9	9.0
40°-50°	2925.5	16.9
50°-60°	4227.1	24.4
60°-70°	4499.7	26.0
70°-80°	2384.5	13.8
80°-90°	78.3	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°	17304.0	100.0
0°-180°	17304.0	100.0

Coefficient of Utilization



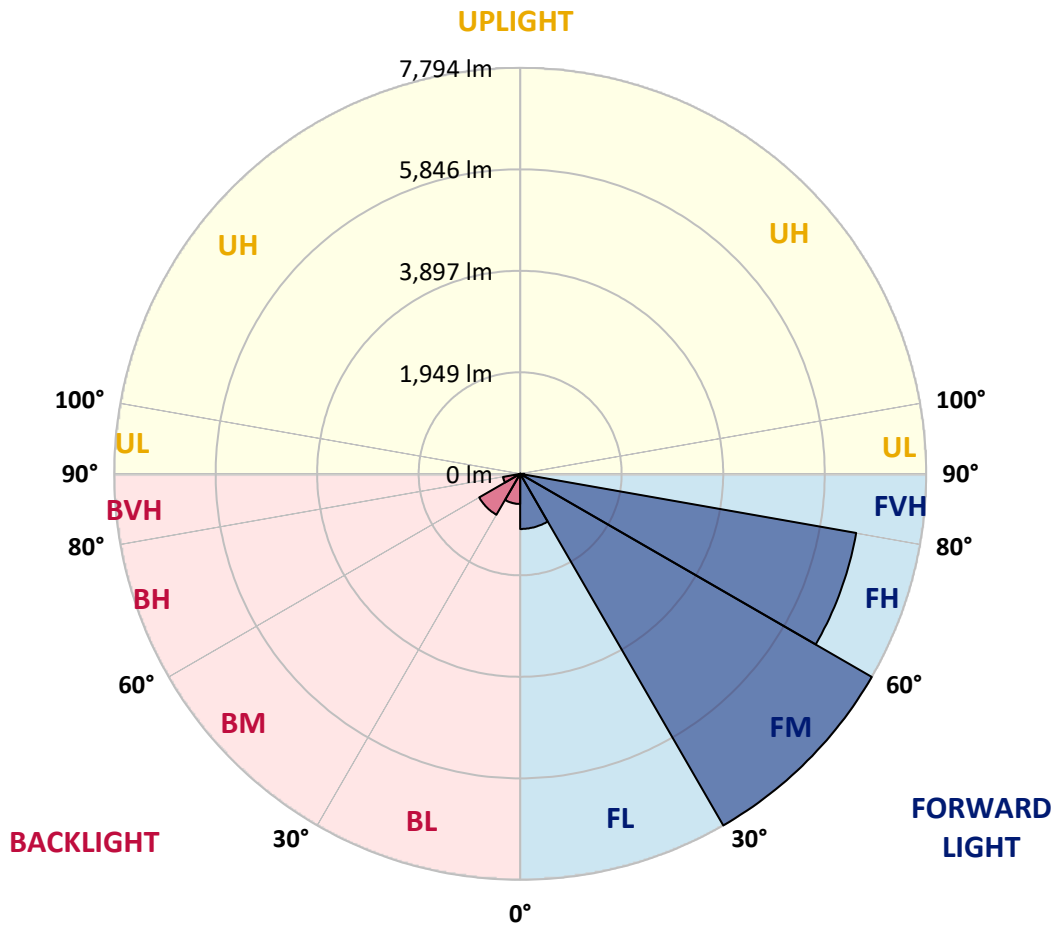
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1059.4	6.1			
FM (30°-60°)	7794.5	45.0			
FH (60°-80°)	6549.8	37.9			G3/7500
FVH (80°-90°)	76.2	0.4			G1/100
BL (0°-30°)	579.5	3.3	B2/1000		
BM (30°-60°)	908.0	5.2	B1/1000		
BH (60°-80°)	334.4	1.9	B1/500		G1/500
BVH (80°-90°)	2.1	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1
2.5°	2534.1	2557.1	2553.8	2569.1	2574.5	2596.4	2618.2	2647.8	2680.5	2679.4
5°	2391.0	2413.9	2419.4	2440.1	2466.4	2500.2	2545.0	2604.0	2665.2	2675.1
7.5°	2221.6	2245.6	2259.8	2301.3	2349.4	2419.4	2492.6	2578.9	2680.5	2694.7
10°	2052.2	2074.1	2092.6	2151.6	2228.1	2331.9	2451.1	2575.6	2712.2	2733.0
12.5°	1947.3	1968.1	1988.8	2040.2	2135.2	2262.0	2423.7	2590.9	2764.7	2794.2
15°	1910.1	1928.7	1945.1	1991.0	2079.5	2223.8	2418.3	2622.6	2831.3	2870.7
17.5°	1915.6	1925.4	1936.4	1971.3	2057.7	2206.3	2428.1	2677.3	2910.0	2945.0
20°	1947.3	1952.8	1953.9	1977.9	2054.4	2204.1	2447.8	2729.7	2984.3	3031.3
22.5°	1987.7	1989.9	1987.7	2004.1	2075.1	2220.5	2474.0	2793.1	3067.4	3111.1
25°	2176.8	2135.2	2082.8	2051.1	2110.1	2252.2	2513.3	2878.3	3158.1	3200.7
27.5°	2763.6	2644.5	2456.5	2245.6	2182.2	2298.1	2568.0	2964.7	3249.9	3288.1
30°	3716.5	3560.2	3241.1	2765.8	2413.9	2394.2	2639.0	3051.0	3347.1	3388.6
32.5°	4671.5	4633.3	4265.0	3607.2	2935.1	2608.4	2757.0	3167.9	3476.1	3508.8
35°	5637.5	5560.0	5258.3	4608.2	3738.3	3044.4	2953.7	3320.9	3645.4	3682.6
37.5°	6377.3	6330.3	6143.5	5608.0	4691.2	3717.6	3290.3	3558.0	3891.3	3932.8
40°	7030.8	7008.9	6945.6	6592.6	5756.6	4598.3	3813.7	3925.2	4232.3	4281.4
42.5°	7544.4	7595.8	7631.8	7533.5	6854.9	5603.7	4517.5	4441.0	4707.6	4757.9
45°	8070.0	8087.5	8232.8	8374.9	7945.4	6654.9	5310.8	5045.3	5298.8	5361.1
47.5°	8407.7	8477.6	8733.3	8983.6	8862.3	7697.4	6163.2	5758.8	5983.9	6100.9
50°	8432.8	8565.0	8916.9	9352.9	9529.9	8689.6	7089.8	6571.8	6811.2	6940.1
52.5°	8014.3	8219.7	8765.0	9403.2	9890.5	9529.9	8048.2	7384.9	7691.9	7860.2
55°	6144.6	6413.4	8193.5	9130.0	9904.8	10167.0	8981.4	8231.7	8673.2	8863.4
57.5°	5353.4	5488.9	6441.8	8655.7	9641.4	10423.8	9825.0	9038.2	9740.8	9976.9
60°	4454.1	4632.2	5402.6	7879.9	9284.1	10448.9	10570.2	10078.5	10898.1	11163.6
62.5°	3026.9	3220.4	3986.4	6546.7	8795.6	10436.9	11181.1	11149.4	12184.2	12469.5
65°	1875.2	1996.5	2501.3	5345.8	8112.6	10450.0	11820.4	12449.8	13541.5	13831.0
67.5°	1481.8	1537.5	1800.9	4104.4	6935.7	10155.0	12458.5	13672.6	14818.9	15048.4
70°	995.5	1029.4	1310.2	2751.6	5160.0	8793.4	12446.5	14286.7	15476.7	15591.5
72.5°	524.5	550.7	766.0	1274.2	3116.5	6250.6	10491.6	13552.4	14822.2	14649.5
75°	262.3	306.0	515.8	646.9	1331.0	3485.9	6515.0	10685.0	11666.3	10997.5
77.5°	198.9	240.4	426.2	426.2	463.3	1173.6	2759.2	5827.7	5375.3	4475.9
80°	126.8	163.9	372.6	322.4	193.4	298.3	719.0	1632.6	1141.9	868.7
82.5°	74.3	107.1	310.3	213.1	108.2	110.4	203.3	347.5	296.1	230.6
85°	29.5	69.9	213.1	84.1	42.6	27.3	61.2	74.3	61.2	45.9
87.5°	0.0	16.4	37.2	0.0	3.3	2.2	4.4	5.5	5.5	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°
2699.1	0°	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1	2699.1
2701.3	2.5°	2711.1	2713.3	2719.9	2721.0	2705.7	2686.0	2678.3	2675.1	2662.0	2660.9
2718.8	5°	2743.9	2753.7	2743.9	2715.5	2647.8	2552.7	2480.6	2421.6	2368.0	2351.6
2778.9	7.5°	2809.5	2819.3	2789.8	2678.3	2507.9	2318.8	2148.4	2028.2	1920.0	1879.5
2852.1	10°	2903.5	2916.6	2823.7	2598.6	2297.0	1993.2	1704.7	1501.4	1343.0	1278.5
2951.5	12.5°	3021.5	3026.9	2842.3	2477.3	2022.7	1588.9	1180.2	962.7	821.8	769.3
3071.7	15°	3151.5	3143.9	2844.4	2312.3	1649.0	1123.4	770.4	632.7	575.9	558.4
3191.9	17.5°	3288.1	3256.4	2800.7	2074.1	1239.2	768.2	571.5	538.7	528.9	524.5
3311.1	20°	3422.5	3351.5	2721.0	1762.6	889.5	573.7	519.1	509.2	503.8	501.6
3431.3	22.5°	3544.9	3423.6	2584.4	1400.9	645.8	507.0	490.6	481.9	472.1	467.7
3548.2	25°	3664.0	3465.1	2392.0	1063.3	516.9	474.3	461.1	444.8	431.6	426.2
3673.9	27.5°	3779.8	3491.4	2151.6	786.8	461.1	443.7	419.6	396.7	386.8	384.7
3808.3	30°	3903.3	3500.1	1878.5	586.8	427.3	405.4	370.4	344.2	338.8	339.8
3989.7	32.5°	4054.1	3513.2	1603.1	480.8	398.9	359.5	318.0	290.7	286.3	290.7
4254.1	35°	4234.4	3539.4	1337.5	442.6	373.7	312.5	267.7	244.8	240.4	243.7
4592.9	37.5°	4479.2	3582.1	1089.5	434.9	353.0	273.2	225.1	206.5	206.5	207.6
5008.1	40°	4804.9	3695.7	867.6	429.5	342.0	243.7	190.1	182.5	185.8	188.0
5537.0	42.5°	5201.5	3937.2	717.9	422.9	330.0	230.6	172.7	169.4	174.8	177.0
6170.8	45°	5646.3	4243.2	665.5	412.0	319.1	239.3	165.0	160.6	167.2	168.3
6881.1	47.5°	6106.3	4542.6	658.9	399.9	308.2	252.4	162.8	153.0	160.6	161.7
7639.5	50°	6571.8	4738.2	665.5	381.4	290.7	252.4	163.9	145.3	151.9	155.2
8426.3	52.5°	7040.6	4827.8	661.1	340.9	260.1	237.1	163.9	138.8	145.3	147.5
9276.4	55°	7495.2	4810.3	594.5	280.8	220.7	209.8	159.5	133.3	137.7	138.8
10079.6	57.5°	7854.7	4566.6	471.0	218.6	179.2	174.8	145.3	126.8	130.0	128.9
10816.1	60°	8042.7	4031.2	336.6	168.3	141.0	137.7	127.9	118.0	120.2	114.7
11440.1	62.5°	8044.9	3323.1	225.1	133.3	112.6	109.3	109.3	106.0	103.8	92.9
11923.1	65°	7873.3	2537.4	149.7	106.0	90.7	85.2	91.8	90.7	83.0	67.8
12070.6	67.5°	7484.3	1663.2	113.6	83.0	69.9	66.7	73.2	76.5	71.0	56.8
11533.0	70°	6684.4	968.2	94.0	64.5	52.5	49.2	59.0	65.6	59.0	45.9
9857.8	72.5°	5552.3	522.3	76.5	48.1	36.1	32.8	47.0	53.5	47.0	33.9
6324.9	75°	3602.8	279.7	59.0	31.7	18.6	20.8	35.0	39.3	32.8	21.9
1856.6	77.5°	1209.7	123.5	37.2	15.3	8.7	8.7	20.8	24.0	15.3	7.6
337.7	80°	269.9	51.4	15.3	6.6	3.3	3.3	4.4	4.4	2.2	0.0
103.8	82.5°	88.5	20.8	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0
26.2	85°	33.9	7.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.7	87.5°	13.1	1.1	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°
2699.1
2663.1
2341.8
1863.2
1251.2
752.9
558.4
523.4
499.4
466.6
424.0
382.5
339.8
289.6
242.6
206.5
188.0
177.0
169.4
162.8
156.3
147.5
138.8
128.9
113.6
89.6
65.6
55.7
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