

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: P952640

Luminaire Tested: **GALN-SB6B-935-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-935-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18298 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

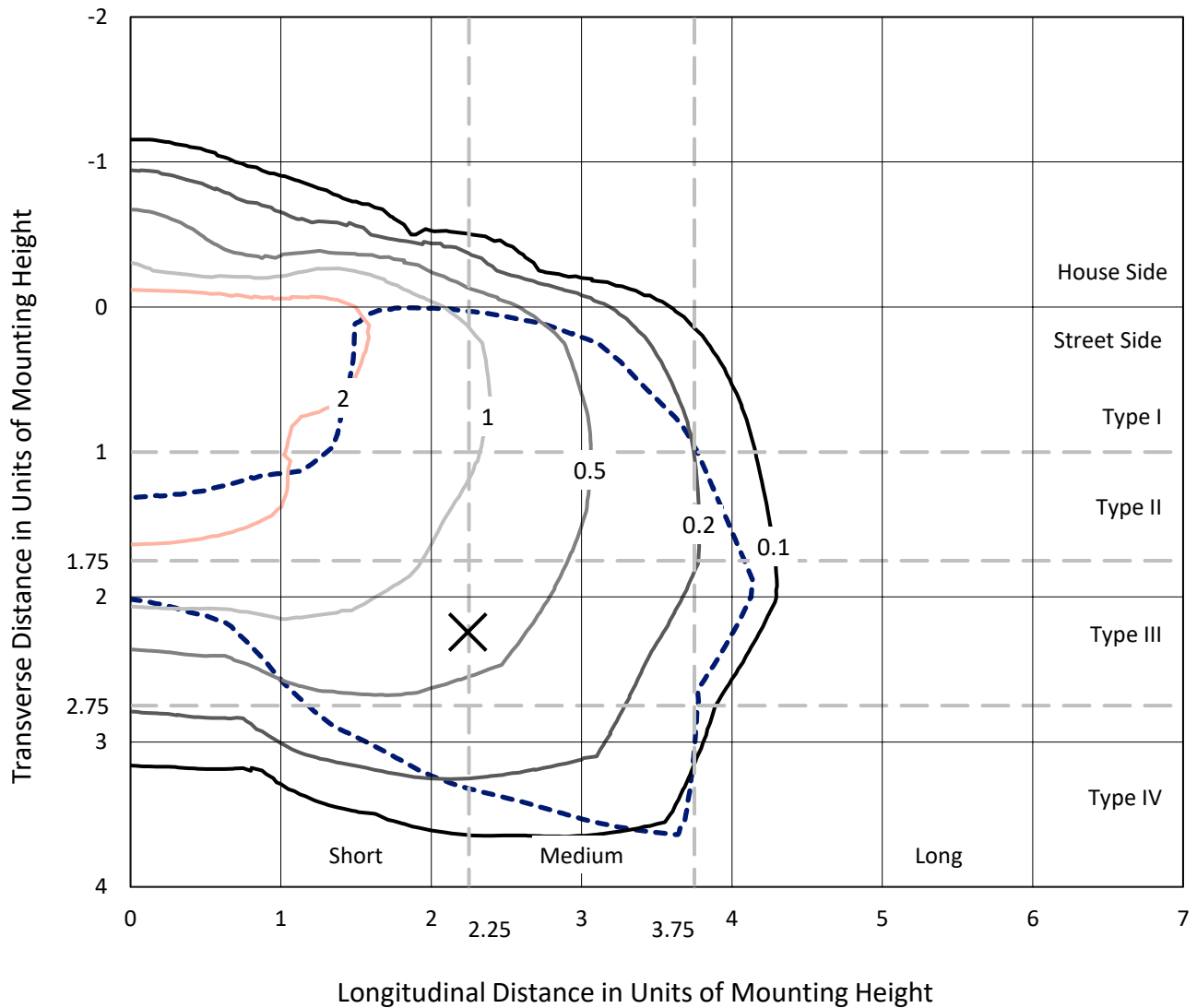
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

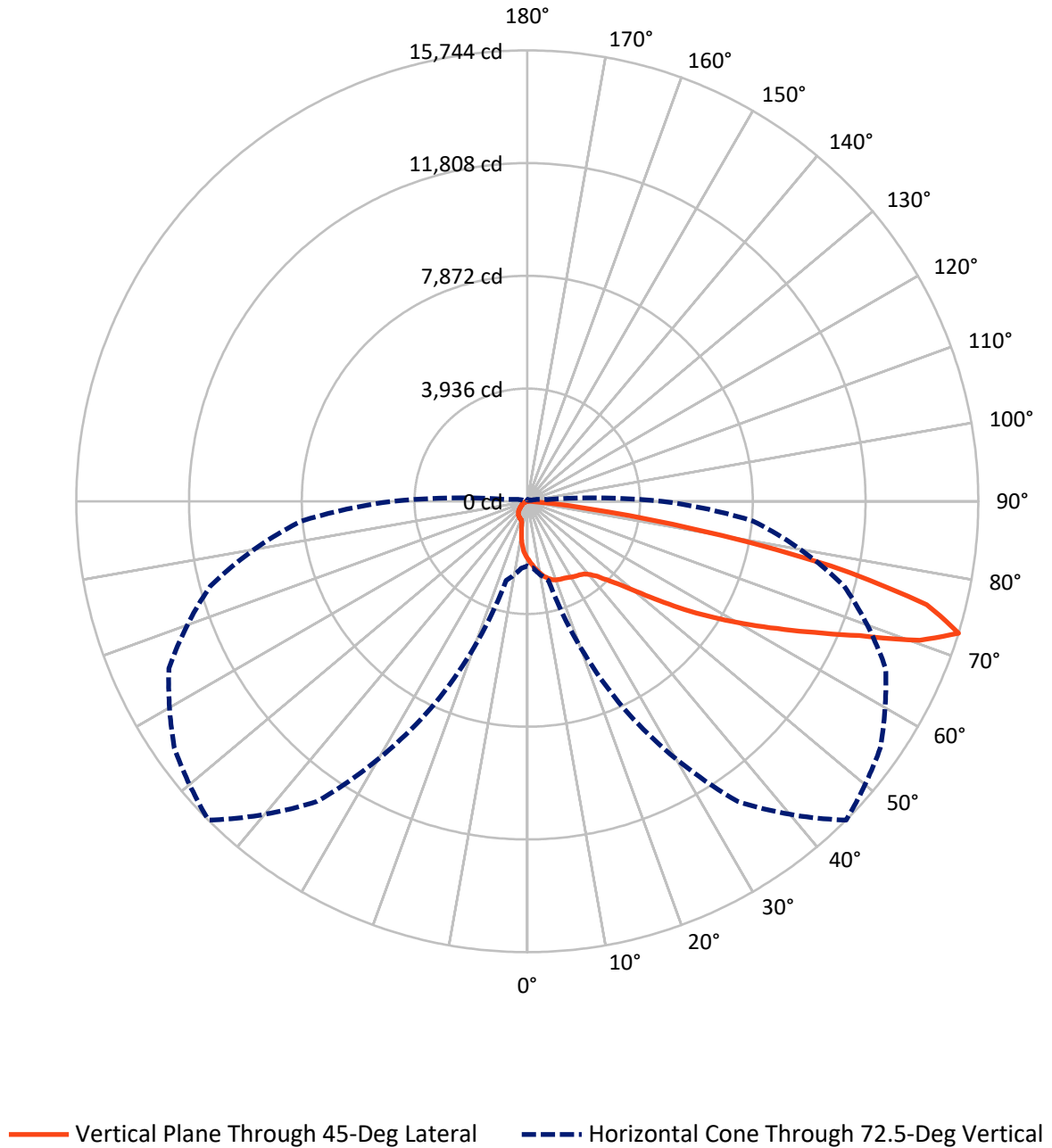
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1922.6	0.0	1922.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	16375.4	0.0	16375.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	18298.0	0.0	18298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.9	1.0
10°-20°	552.0	3.0
20°-30°	906.5	5.0
30°-40°	1285.6	7.0
40°-50°	2124.9	11.6
50°-60°	3817.2	20.9
60°-70°	5300.4	29.0
70°-80°	3844.7	21.0
80°-90°	278.0	1.5
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°	18298.0	100.0
0°-180°	18298.0	100.0

Coefficient of Utilization



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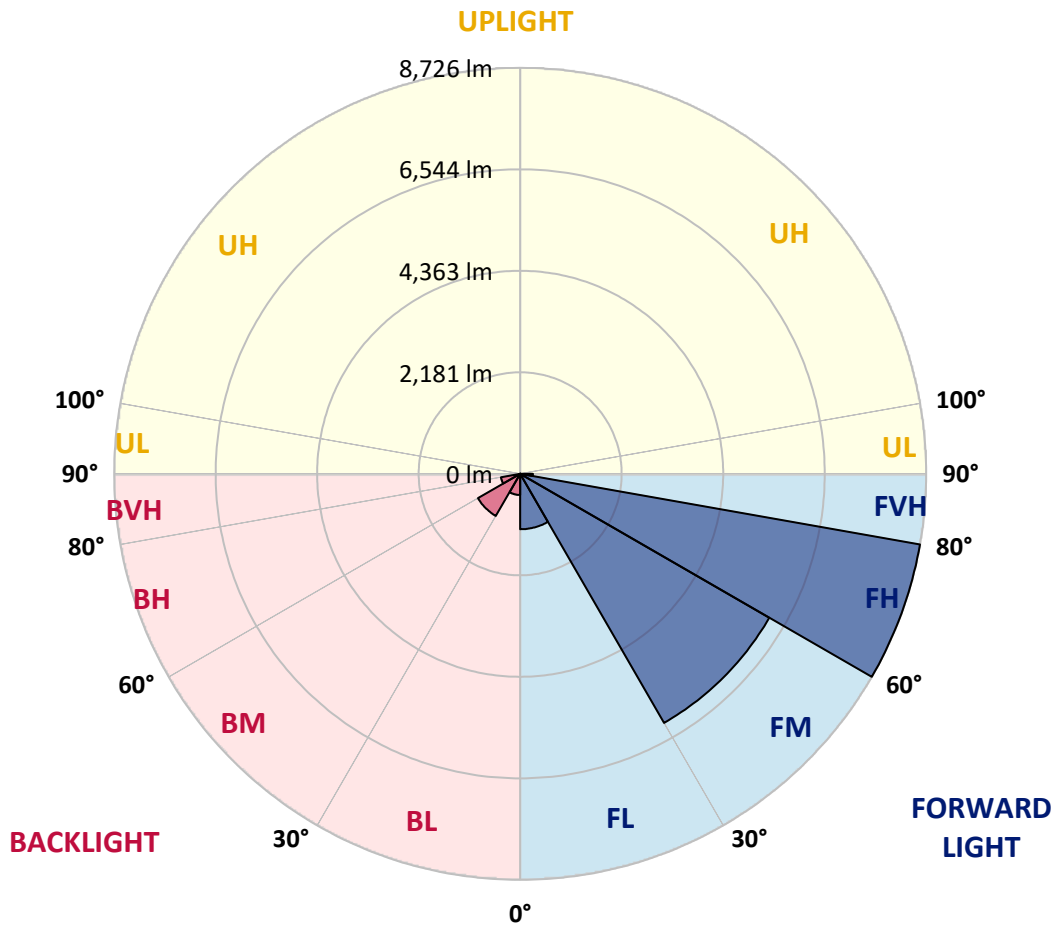
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1191.9	6.5			
FM (30°-60°)	6182.0	33.8			
FH (60°-80°)	8725.8	47.7			G4/12000
FVH (80°-90°)	275.6	1.5			G3/500
BL (0°-30°)	455.4	2.5	B1/500		
BM (30°-60°)	1045.6	5.7	B2/2500		
BH (60°-80°)	419.3	2.3	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6
2.5°	2189.4	2193.2	2190.7	2175.7	2150.7	2137.0	2129.5	2104.5	2088.3	2059.5
5°	2390.5	2405.5	2396.8	2366.8	2319.3	2285.6	2275.6	2224.4	2178.2	2124.5
7.5°	2604.1	2611.6	2595.3	2556.6	2492.9	2435.5	2426.7	2355.5	2281.9	2199.4
10°	2788.9	2797.7	2772.7	2716.5	2644.1	2572.9	2560.4	2481.7	2394.3	2293.1
12.5°	2943.8	2952.5	2920.1	2852.6	2772.7	2699.0	2686.5	2604.1	2507.9	2395.5
15°	3061.2	3077.4	3033.7	2961.3	2875.1	2801.4	2795.2	2714.0	2620.3	2495.4
17.5°	3129.9	3146.1	3104.9	3017.5	2943.8	2881.4	2873.9	2806.4	2719.0	2599.1
20°	3141.1	3156.1	3112.4	3036.2	2975.0	2925.1	2921.3	2872.6	2808.9	2694.0
22.5°	3107.4	3126.2	3086.2	3025.0	2982.5	2956.3	2951.3	2923.8	2887.6	2790.2
25°	3072.4	3087.4	3057.5	3003.8	2981.3	2978.8	2982.5	2977.5	2970.0	2887.6
27.5°	3069.9	3086.2	3052.5	3001.3	2988.8	3015.0	3018.7	3042.5	3048.7	2976.3
30°	3091.2	3102.4	3069.9	3016.2	3010.0	3069.9	3071.2	3113.7	3123.7	3051.2
32.5°	3137.4	3149.9	3117.4	3038.7	3030.0	3113.7	3117.4	3173.6	3189.9	3131.1
35°	3246.1	3261.0	3223.6	3101.2	3069.9	3154.9	3166.1	3232.3	3264.8	3216.1
37.5°	3517.1	3473.4	3422.2	3227.3	3161.1	3219.8	3238.6	3316.0	3373.4	3317.2
40°	4190.3	4052.9	3893.0	3442.1	3321.0	3358.5	3373.4	3450.9	3529.6	3474.6
42.5°	5200.7	5038.3	4781.0	3936.7	3562.0	3580.8	3592.0	3659.5	3770.6	3726.9
45°	6101.2	6042.5	5780.2	4781.0	4012.9	3920.5	3934.2	3969.2	4132.8	4116.6
47.5°	6793.1	6759.4	6557.1	5750.2	4774.8	4336.4	4375.1	4391.4	4627.4	4684.9
50°	7325.2	7312.7	7131.6	6612.0	5770.2	4949.6	4963.4	4928.4	5281.9	5424.2
52.5°	7827.2	7869.7	7736.1	7412.6	6833.1	5752.7	5750.2	5585.4	6062.5	6277.3
55°	8280.6	8295.6	8309.3	8229.4	7902.2	6667.0	6643.2	6373.5	6968.0	7190.3
57.5°	8706.5	8712.8	8835.2	8998.8	9015.0	7648.6	7604.9	7281.5	7957.1	8115.8
60°	8992.5	9021.3	9279.8	9734.4	9933.0	8661.6	8637.8	8308.1	8963.8	9037.5
62.5°	8580.4	8755.2	9407.2	10308.9	10799.8	9784.4	9773.1	9463.4	10022.9	9963.0
65°	6945.5	7241.5	8388.0	10697.4	11650.3	11038.3	11054.6	10724.8	11110.8	10915.9
67.5°	4858.5	5170.7	6527.1	10728.6	12600.8	12510.9	12604.5	12087.5	12266.1	11828.9
70°	3359.7	3520.8	4403.8	10056.6	13341.4	14539.2	14536.7	13761.1	13415.1	12244.8
72.5°	2259.4	2343.1	2860.1	7978.4	12796.9	15744.4	15672.0	15040.0	13802.3	11451.7
75°	953.0	1014.2	1323.9	4483.8	10124.1	14404.3	14208.2	13291.5	12263.6	9017.5
77.5°	302.2	328.5	522.1	1604.9	5576.6	10827.3	10619.9	8300.6	8219.4	4523.7
80°	143.6	167.4	293.5	644.5	2194.4	5888.9	5860.1	3765.6	3535.8	1221.5
82.5°	62.4	73.7	162.4	344.7	981.7	2100.8	2143.2	1281.4	1060.4	463.4
85°	20.0	26.2	74.9	158.6	414.7	522.1	515.8	304.7	427.1	252.3
87.5°	0.0	0.0	25.0	36.2	42.5	30.0	33.7	26.2	118.7	69.9
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°
2004.6	0°	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6	2004.6
2029.6	2.5°	2014.6	1994.6	1959.6	1927.1	1898.4	1869.7	1852.2	1827.2	1824.7	1824.7
2062.0	5°	2028.3	1995.8	1933.4	1867.2	1791.0	1718.6	1646.1	1576.2	1553.7	1537.5
2114.5	7.5°	2068.3	2017.1	1918.4	1792.3	1647.4	1488.8	1377.6	1257.7	1211.5	1186.5
2184.4	10°	2125.7	2055.8	1905.9	1684.9	1450.0	1234.0	1075.4	945.5	895.5	874.3
2260.6	12.5°	2189.4	2103.3	1883.4	1551.2	1234.0	975.4	820.6	760.6	753.1	753.1
2351.8	15°	2265.6	2160.7	1844.7	1393.8	1007.9	771.9	716.9	719.4	726.9	731.9
2440.5	17.5°	2344.3	2221.9	1783.5	1217.7	808.1	694.4	695.7	699.4	705.7	710.7
2536.6	20°	2429.2	2283.1	1702.3	1030.4	693.2	671.9	675.7	679.4	684.4	686.9
2626.6	22.5°	2520.4	2340.6	1606.2	846.8	654.5	653.2	654.5	658.2	664.4	664.4
2731.5	25°	2617.8	2404.3	1496.3	713.2	634.5	634.5	637.0	639.5	644.5	644.5
2832.6	27.5°	2717.7	2463.0	1380.1	643.2	617.0	615.7	615.7	619.5	622.0	623.2
2932.6	30°	2827.7	2531.6	1264.0	628.2	603.2	597.0	593.3	595.8	598.3	599.5
3037.5	32.5°	2940.1	2597.8	1160.3	634.5	589.5	578.3	565.8	563.3	563.3	568.3
3146.1	35°	3065.0	2670.3	1080.4	655.7	582.0	550.8	530.8	519.6	520.8	528.3
3276.0	37.5°	3214.8	2757.7	1021.7	674.4	577.0	519.6	487.1	473.4	464.6	473.4
3454.6	40°	3410.9	2886.4	979.2	689.4	570.8	483.3	439.6	417.2	400.9	405.9
3731.9	42.5°	3699.4	3088.7	963.0	690.7	557.0	440.9	390.9	361.0	337.2	338.5
4149.1	45°	4104.1	3408.4	1046.6	674.4	527.1	394.7	339.7	299.8	284.8	281.0
4772.3	47.5°	4658.6	3874.3	1240.2	640.7	483.3	349.7	289.8	256.0	244.8	238.6
5590.4	50°	5401.8	4472.5	1455.0	603.2	439.6	307.2	248.5	227.3	219.8	213.6
6560.8	52.5°	6263.5	5079.5	1631.1	565.8	395.9	269.8	222.3	209.8	203.6	198.6
7497.5	55°	7054.1	5497.9	1621.2	525.8	353.5	239.8	203.6	196.1	188.6	183.6
8304.4	57.5°	7546.2	5556.6	1336.4	482.1	304.7	216.1	186.1	181.1	172.4	166.1
9002.5	60°	7772.3	5221.9	936.7	424.6	256.0	193.6	167.4	164.9	153.6	144.9
9663.2	62.5°	7813.5	4599.9	624.5	353.5	213.6	172.4	148.6	144.9	129.9	114.9
10200.3	65°	7646.1	3710.7	432.1	276.0	182.3	149.9	127.4	119.9	103.7	88.7
10327.7	67.5°	7116.6	2605.3	301.0	198.6	154.9	118.7	101.2	98.7	86.2	73.7
9678.2	70°	6146.1	1485.0	201.1	148.6	122.4	81.2	79.9	82.4	69.9	60.0
7907.2	72.5°	4712.3	679.4	124.9	108.7	83.7	55.0	63.7	64.9	53.7	45.0
4933.4	75°	2773.9	291.0	78.7	69.9	42.5	36.2	46.2	47.5	36.2	28.7
1803.5	77.5°	944.2	109.9	50.0	41.2	21.2	20.0	30.0	30.0	20.0	11.2
362.2	80°	214.8	41.2	25.0	16.2	10.0	8.7	10.0	8.7	5.0	1.2
111.2	82.5°	61.2	16.2	10.0	6.2	3.7	3.7	1.2	0.0	0.0	0.0
38.7	85°	17.5	7.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
13.7	87.5°	7.5	1.2	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°
2004.6
1831.0
1545.0
1190.3
874.3
753.1
731.9
710.7
688.2
666.9
645.7
624.5
602.0
572.0
532.1
470.9
403.4
333.5
276.0
234.8
212.3
197.3
181.1
164.9
142.4
107.4
83.7
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