

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: P952638

Luminaire Tested: **GALN-SB6B-935-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952638
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-935-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 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: 19776 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

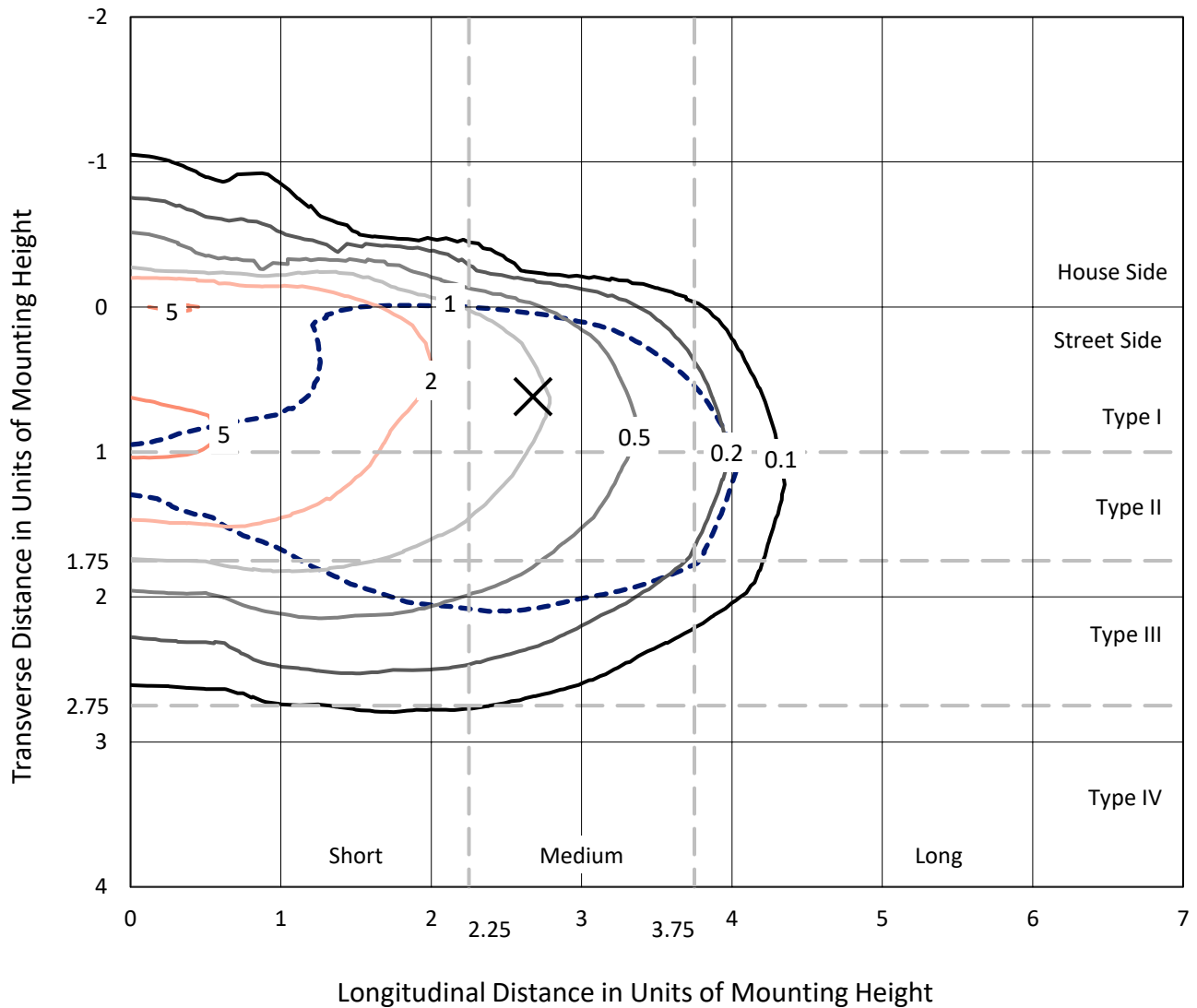
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

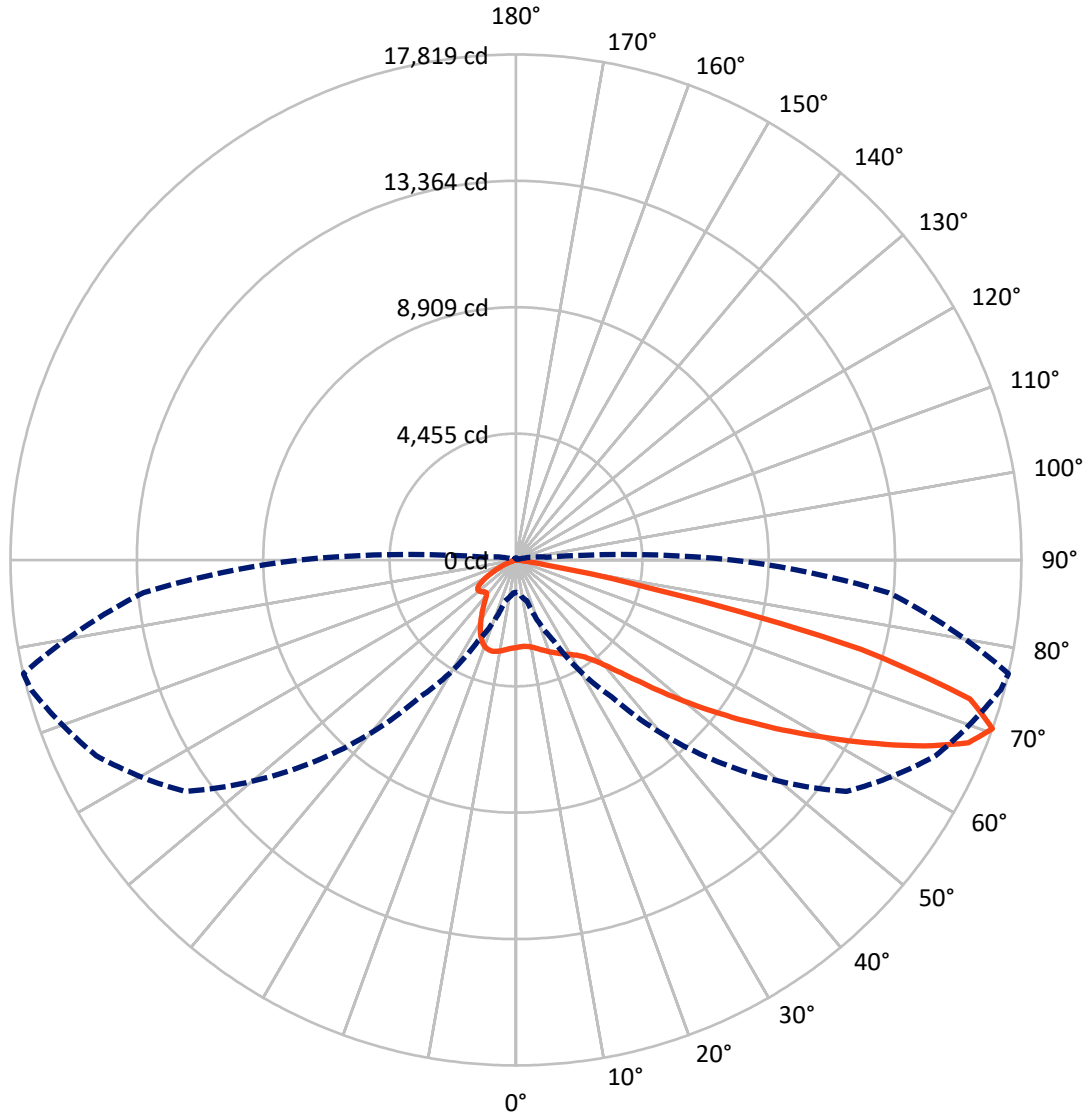
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	2084.7	0.0	2084.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	17691.3	0.0	17691.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	19776.0	0.0	19776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.9	1.3
10°-20°	631.1	3.2
20°-30°	976.1	4.9
30°-40°	1771.3	9.0
40°-50°	3343.5	16.9
50°-60°	4831.0	24.4
60°-70°	5142.5	26.0
70°-80°	2725.2	13.8
80°-90°	89.5	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°	19776.0	100.0
0°-180°	19776.0	100.0

Coefficient of Utilization



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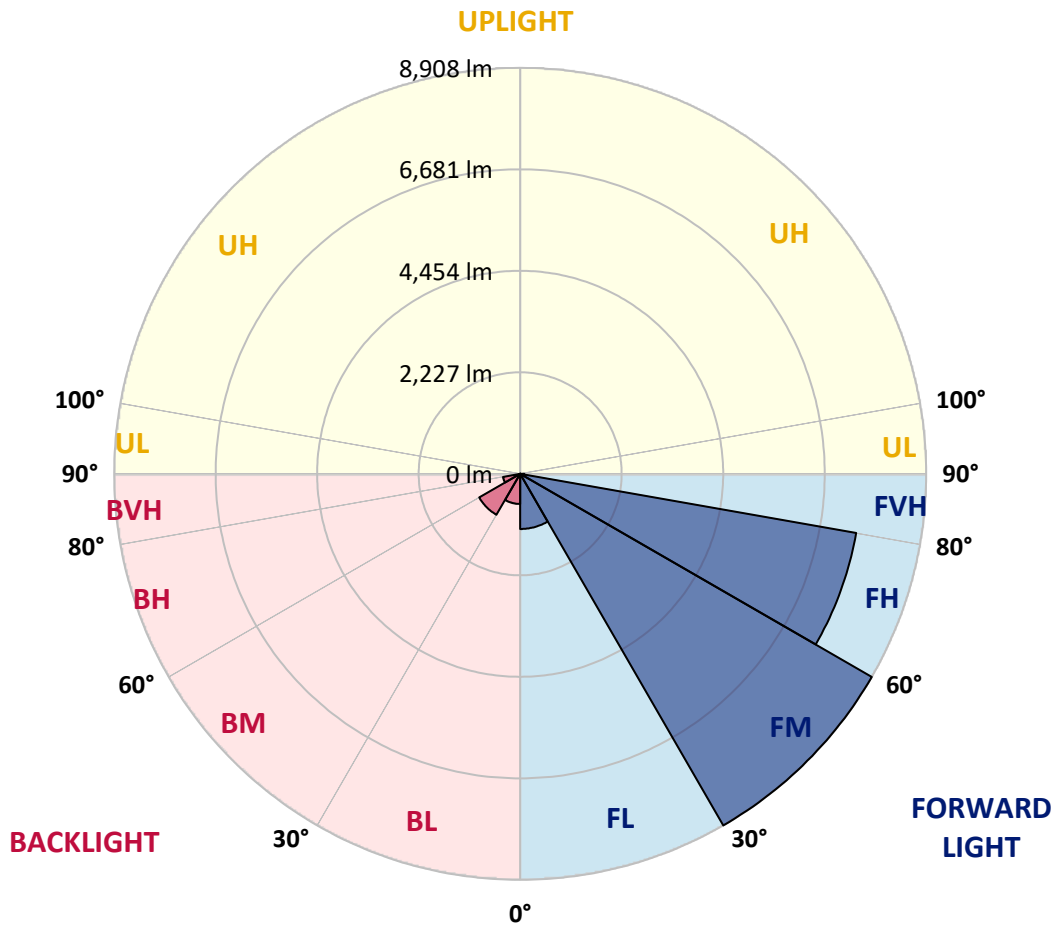
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1210.8	6.1			
FM (30°-60°)	8908.0	45.0			
FH (60°-80°)	7485.5	37.9			G3/7500
FVH (80°-90°)	87.1	0.4			G1/100
BL (0°-30°)	662.3	3.3	B2/1000		
BM (30°-60°)	1037.8	5.2	B2/2500		
BH (60°-80°)	382.2	1.9	B1/500		G1/500
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7
2.5°	2896.1	2922.3	2918.6	2936.1	2942.3	2967.3	2992.3	3026.0	3063.5	3062.2
5°	2732.5	2758.7	2765.0	2788.7	2818.7	2857.4	2908.6	2976.0	3046.0	3057.2
7.5°	2538.9	2566.4	2582.7	2630.1	2685.1	2765.0	2848.7	2947.3	3063.5	3079.7
10°	2345.4	2370.3	2391.6	2459.0	2546.4	2665.1	2801.2	2943.6	3099.7	3123.4
12.5°	2225.5	2249.2	2272.9	2331.6	2440.3	2585.2	2770.0	2961.1	3159.6	3193.4
15°	2183.0	2204.2	2223.0	2275.4	2376.6	2541.4	2763.7	2997.3	3235.8	3280.8
17.5°	2189.3	2200.5	2213.0	2253.0	2351.6	2521.5	2775.0	3059.7	3325.7	3365.7
20°	2225.5	2231.7	2233.0	2260.4	2347.9	2519.0	2797.5	3119.7	3410.7	3464.4
22.5°	2271.7	2274.2	2271.7	2290.4	2371.6	2537.7	2827.4	3192.1	3505.6	3555.5
25°	2487.7	2440.3	2380.3	2344.1	2411.6	2573.9	2872.4	3289.5	3609.2	3657.9
27.5°	3158.4	3022.3	2807.5	2566.4	2494.0	2626.4	2934.8	3388.2	3714.1	3757.8
30°	4247.4	4068.8	3704.1	3160.9	2758.7	2736.3	3016.0	3486.8	3825.3	3872.7
32.5°	5338.9	5295.2	4874.3	4122.5	3354.5	2981.0	3150.9	3620.5	3972.6	4010.1
35°	6442.9	6354.2	6009.5	5266.5	4272.4	3479.3	3375.7	3795.3	4166.2	4208.7
37.5°	7288.4	7234.7	7021.1	6409.2	5361.4	4248.6	3760.3	4066.3	4447.2	4494.7
40°	8035.2	8010.2	7937.8	7534.4	6579.0	5255.2	4358.5	4485.9	4836.9	4893.1
42.5°	8622.2	8680.9	8722.1	8609.7	7834.1	6404.2	5162.8	5075.4	5380.1	5437.6
45°	9222.9	9242.9	9409.0	9571.3	9080.5	7605.6	6069.5	5766.0	6055.8	6126.9
47.5°	9608.8	9688.7	9980.9	10266.9	10128.3	8797.0	7043.6	6581.5	6838.8	6972.4
50°	9637.5	9788.6	10190.7	10689.0	10891.4	9931.0	8102.6	7510.7	7784.2	7931.5
52.5°	9159.2	9394.0	10017.2	10746.5	11303.5	10891.4	9197.9	8439.8	8790.8	8983.1
55°	7022.4	7329.6	9364.0	10434.3	11319.7	11619.4	10264.4	9407.7	9912.2	10129.6
57.5°	6118.2	6273.1	7362.1	9892.3	11018.7	11912.9	11228.6	10329.4	11132.4	11402.1
60°	5090.4	5293.9	6174.4	9005.6	10610.4	11941.7	12080.3	11518.3	12454.9	12758.4
62.5°	3459.4	3680.4	4555.9	7482.0	10052.1	11927.9	12778.4	12742.2	13924.9	14250.8
65°	2143.1	2281.7	2858.7	6109.5	9271.6	11942.9	13509.0	14228.3	15475.9	15806.9
67.5°	1693.5	1757.2	2058.1	4690.7	7926.6	11605.7	14238.3	15625.8	16935.9	17198.1
70°	1137.7	1176.4	1497.4	3144.6	5897.1	10049.6	14224.6	16327.7	17687.7	17818.8
72.5°	599.5	629.4	875.5	1456.2	3561.8	7143.5	11990.4	15488.4	16939.6	16742.3
75°	299.7	349.7	589.5	739.3	1521.1	3983.9	7445.7	12211.4	13332.9	12568.6
77.5°	227.3	274.8	487.1	487.1	529.5	1341.3	3153.4	6660.2	6143.2	5115.4
80°	144.9	187.3	425.9	368.4	221.0	340.9	821.8	1865.8	1305.1	992.8
82.5°	84.9	122.4	354.7	243.5	123.6	126.1	232.3	397.1	338.4	263.5
85°	33.7	79.9	243.5	96.2	48.7	31.2	69.9	84.9	69.9	52.5
87.5°	0.0	18.7	42.5	0.0	3.7	2.5	5.0	6.2	6.2	5.0
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°
3084.7	0°	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7	3084.7
3087.2	2.5°	3098.4	3100.9	3108.4	3109.7	3092.2	3069.7	3061.0	3057.2	3042.2	3041.0
3107.2	5°	3135.9	3147.1	3135.9	3103.4	3026.0	2917.4	2834.9	2767.5	2706.3	2687.6
3175.9	7.5°	3210.8	3222.1	3188.4	3061.0	2866.1	2650.1	2455.3	2317.9	2194.3	2148.0
3259.5	10°	3318.2	3333.2	3227.1	2969.8	2625.1	2277.9	1948.2	1715.9	1534.9	1461.2
3373.2	12.5°	3453.1	3459.4	3248.3	2831.2	2311.7	1815.9	1348.8	1100.3	939.1	879.2
3510.6	15°	3601.7	3593.0	3250.8	2642.6	1884.5	1283.8	880.5	723.1	658.2	638.2
3647.9	17.5°	3757.8	3721.6	3200.8	2370.3	1416.2	878.0	653.2	615.7	604.5	599.5
3784.1	20°	3911.4	3830.3	3109.7	2014.4	1016.6	655.7	593.2	582.0	575.7	573.2
3921.4	22.5°	4051.3	3912.7	2953.6	1601.0	738.1	579.5	560.7	550.7	539.5	534.5
4055.1	25°	4187.4	3960.2	2733.8	1215.1	590.7	542.0	527.0	508.3	493.3	487.1
4198.7	27.5°	4319.8	3990.1	2459.0	899.2	527.0	507.0	479.6	453.3	442.1	439.6
4352.3	30°	4460.9	4000.1	2146.8	670.6	488.3	463.3	423.4	393.4	387.1	388.4
4559.6	32.5°	4633.3	4015.1	1832.1	549.5	455.8	410.9	363.4	332.2	327.2	332.2
4861.8	35°	4839.4	4045.1	1528.6	505.8	427.1	357.2	306.0	279.7	274.8	278.5
5249.0	37.5°	5119.1	4093.8	1245.1	497.0	403.4	312.2	257.3	236.0	236.0	237.3
5723.6	40°	5491.3	4223.7	991.6	490.8	390.9	278.5	217.3	208.6	212.3	214.8
6328.0	42.5°	5944.6	4499.7	820.5	483.3	377.2	263.5	197.3	193.6	199.8	202.3
7052.3	45°	6452.9	4849.3	760.6	470.8	364.7	273.5	188.6	183.6	191.1	192.3
7864.1	47.5°	6978.7	5191.5	753.1	457.1	352.2	288.5	186.1	174.8	183.6	184.8
8730.8	50°	7510.7	5415.1	760.6	435.9	332.2	288.5	187.3	166.1	173.6	177.3
9630.0	52.5°	8046.4	5517.5	755.6	389.6	297.2	271.0	187.3	158.6	166.1	168.6
10601.6	55°	8566.0	5497.5	679.4	321.0	252.3	239.8	182.3	152.4	157.4	158.6
11519.5	57.5°	8976.8	5219.0	538.3	249.8	204.8	199.8	166.1	144.9	148.6	147.4
12361.3	60°	9191.7	4607.1	384.7	192.3	161.1	157.4	146.1	134.9	137.4	131.1
13074.4	62.5°	9194.2	3797.8	257.3	152.4	128.6	124.9	124.9	121.1	118.6	106.2
13626.4	65°	8998.1	2899.9	171.1	121.1	103.7	97.4	104.9	103.7	94.9	77.4
13795.0	67.5°	8553.5	1900.8	129.9	94.9	79.9	76.2	83.7	87.4	81.2	64.9
13180.5	70°	7639.3	1106.5	107.4	73.7	59.9	56.2	67.4	74.9	67.4	52.5
11266.0	72.5°	6345.5	597.0	87.4	55.0	41.2	37.5	53.7	61.2	53.7	38.7
7228.4	75°	4117.5	319.7	67.4	36.2	21.2	23.7	40.0	45.0	37.5	25.0
2121.8	77.5°	1382.5	141.1	42.5	17.5	10.0	10.0	23.7	27.5	17.5	8.7
385.9	80°	308.5	58.7	17.5	7.5	3.7	3.7	5.0	5.0	2.5	0.0
118.6	82.5°	101.2	23.7	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
30.0	85°	38.7	8.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	87.5°	15.0	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°
3084.7
3043.5
2676.3
2129.3
1430.0
860.5
638.2
598.2
570.7
533.3
484.6
437.1
388.4
330.9
277.2
236.0
214.8
202.3
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