

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: P942156

Luminaire Tested: **GALN-SB6A-740-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22571 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

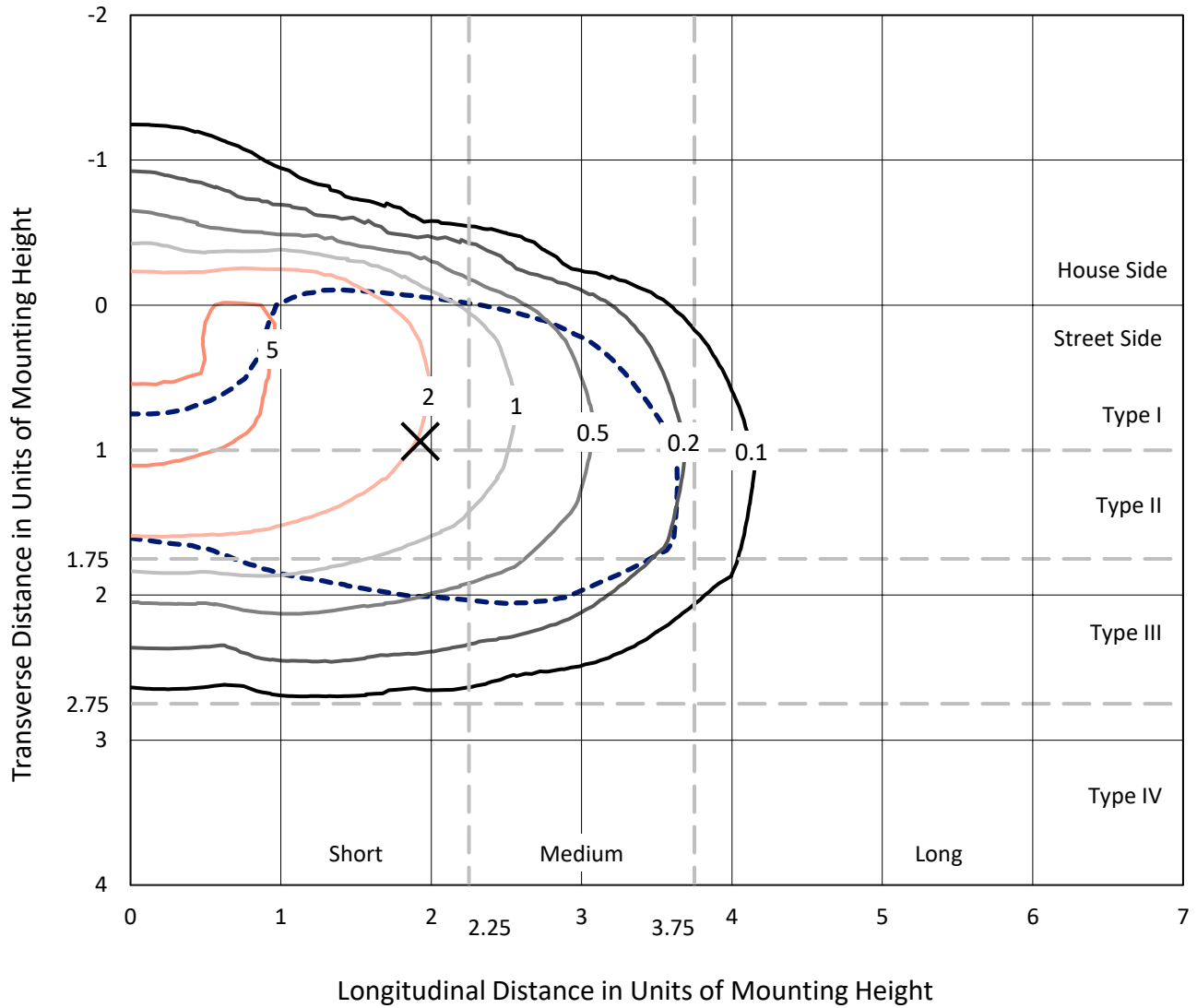
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

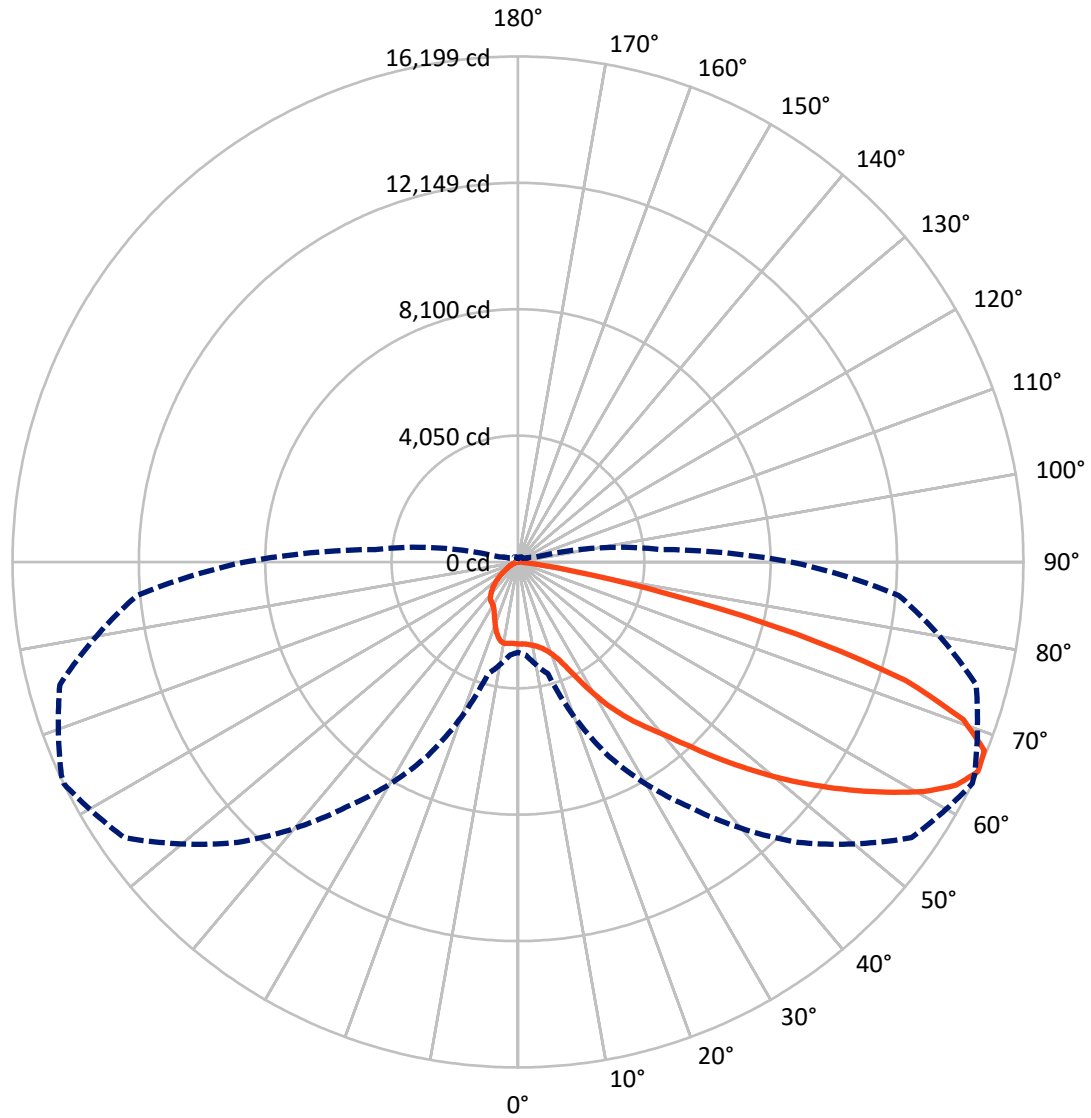
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3018.4	0.0	3018.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19552.6	0.0	19552.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	22571.0	0.0	22571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	1.1
10°-20°	656.9	2.9
20°-30°	1244.8	5.5
30°-40°	2518.9	11.2
40°-50°	4291.0	19.0
50°-60°	5835.5	25.9
60°-70°	5479.8	24.3
70°-80°	2195.4	9.7
80°-90°	106.4	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°	22571.0	100.0
0°-180°	22571.0	100.0

Coefficient of Utilization



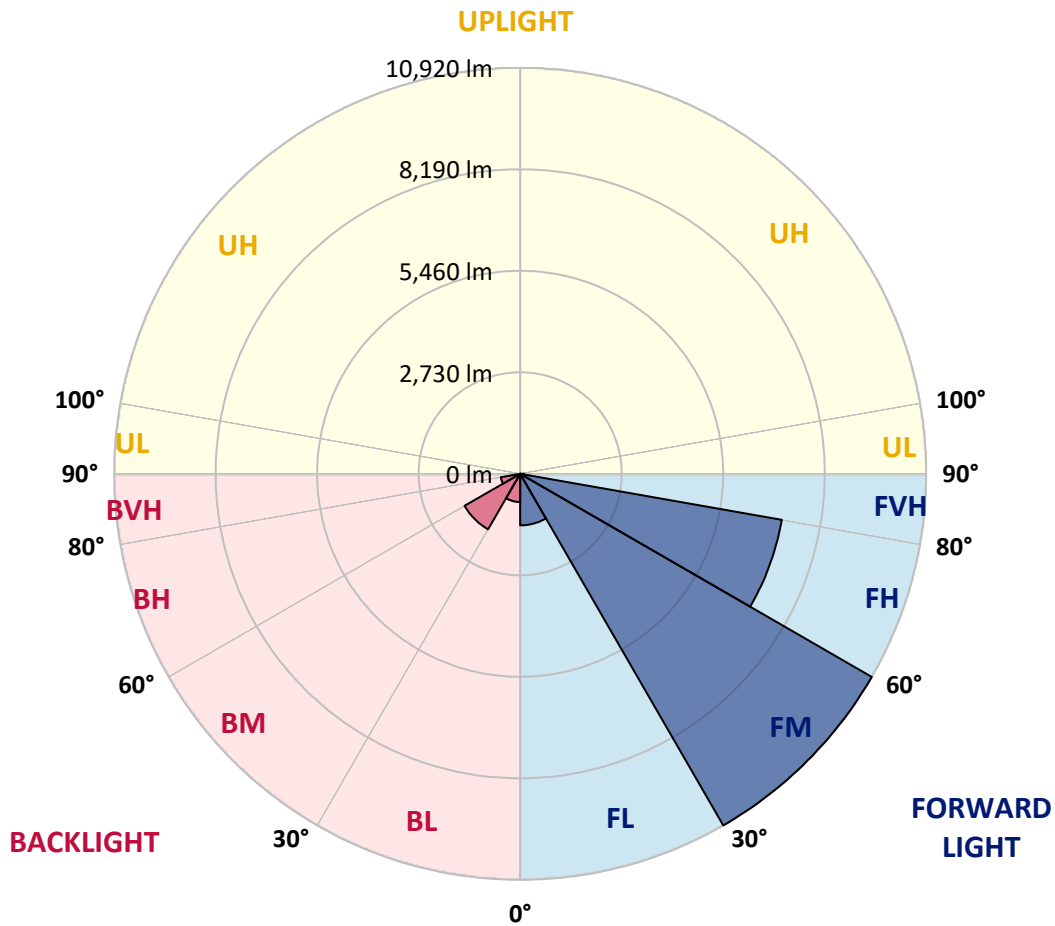
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1386.1	6.1			
FM	(30°-60°)	10919.8	48.4			
FH	(60°-80°)	7145.5	31.7			G3/7500
FVH	(80°-90°)	101.2	0.4			G2/225
BL	(0°-30°)	757.8	3.4	B2/1000		
BM	(30°-60°)	1725.6	7.6	B2/2500		
BH	(60°-80°)	529.8	2.3	B2/1000		G2/1000
BVH	(80°-90°)	5.2	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2
2.5°	2616.2	2634.3	2629.8	2625.2	2623.7	2626.8	2628.3	2626.8	2626.8	2626.8
5°	2566.2	2581.4	2581.4	2592.0	2607.1	2625.2	2638.9	2641.9	2644.9	2649.5
7.5°	2470.9	2483.0	2492.1	2526.9	2564.7	2613.1	2654.0	2675.2	2678.2	2694.8
10°	2405.8	2421.0	2436.1	2472.4	2526.9	2599.5	2669.1	2720.6	2728.1	2767.5
12.5°	2402.8	2417.9	2437.6	2477.0	2540.5	2617.7	2702.4	2776.6	2790.2	2847.7
15°	2434.6	2452.7	2470.9	2519.3	2587.4	2681.2	2772.0	2864.3	2877.9	2959.6
17.5°	2499.7	2523.9	2537.5	2585.9	2658.5	2762.9	2882.5	2988.4	3000.5	3095.8
20°	2628.3	2657.0	2661.6	2700.9	2772.0	2884.0	3026.2	3157.9	3173.0	3281.9
22.5°	2894.6	2935.4	2899.1	2918.8	2982.3	3094.3	3248.6	3415.1	3436.3	3560.3
25°	3363.6	3421.1	3327.3	3294.0	3321.3	3437.8	3631.5	3841.8	3866.0	3965.9
27.5°	4285.1	4211.0	4068.7	3929.5	3847.8	3914.4	4132.3	4392.6	4422.8	4519.7
30°	5297.4	5232.3	5040.2	4731.5	4537.8	4527.2	4728.5	5019.0	5053.8	5146.1
32.5°	6311.2	6249.1	6040.3	5660.5	5324.6	5158.2	5297.4	5619.7	5637.8	5696.9
35°	7308.3	7244.8	7036.0	6647.1	6234.0	5855.7	5828.5	6191.6	6197.7	6259.7
37.5°	8311.5	8258.5	8036.1	7654.8	7247.8	6725.8	6473.1	6733.3	6740.9	6801.4
40°	9027.2	9049.9	8897.1	8602.0	8252.5	7682.0	7196.3	7309.8	7264.4	7365.8
42.5°	9641.5	9686.9	9553.8	9405.5	9202.7	8700.4	8092.1	8072.4	7999.8	8054.3
45°	10172.6	10210.5	10090.9	10056.1	10051.6	9699.0	9071.1	8953.1	8851.7	8841.1
47.5°	10367.8	10440.4	10491.9	10608.4	10835.4	10687.1	10083.3	9900.3	9786.8	9703.6
50°	10442.0	10519.1	10694.6	11033.6	11570.7	11634.3	11091.1	10885.3	10746.1	10594.8
52.5°	10342.1	10479.8	10715.8	11286.3	12065.5	12393.9	12058.0	11877.9	11719.0	11472.4
55°	9753.5	9891.2	10373.9	11283.2	12312.2	12926.5	12971.9	12891.7	12713.1	12324.3
57.5°	8512.7	8717.0	9481.1	10898.9	12307.6	13384.9	13867.6	13925.1	13725.4	13168.6
60°	6793.9	7070.8	8002.8	10047.0	11927.8	13633.1	14652.9	14940.4	14728.6	14000.8
62.5°	4740.6	5061.3	5943.5	8712.5	11059.3	13454.6	15226.4	15757.5	15597.1	14745.2
65°	2891.5	2994.4	3705.6	6855.9	9582.5	12707.1	15403.4	16199.3	16146.4	15200.7
67.5°	1926.2	2012.4	2216.7	4701.2	7438.4	11213.6	14979.8	16122.2	16137.3	15126.5
70°	1160.6	1234.7	1367.8	2734.2	4820.8	8875.9	13667.9	15138.6	15226.4	14135.5
72.5°	478.1	528.1	649.1	1239.2	2496.6	5633.3	10883.8	12997.6	13201.9	11885.5
75°	270.8	296.6	381.3	621.9	1083.4	2625.2	6592.6	9226.9	9528.0	8192.0
77.5°	180.1	192.2	246.6	402.5	609.8	895.8	2817.4	4807.1	5382.1	4474.3
80°	121.0	131.6	169.5	269.3	396.4	384.3	897.3	1780.9	2191.0	1537.3
82.5°	81.7	83.2	121.0	177.0	251.2	186.1	264.8	553.8	696.0	444.9
85°	46.9	45.4	89.3	102.9	112.0	77.2	80.2	166.4	217.9	187.6
87.5°	6.1	9.1	34.8	27.2	15.1	16.6	16.6	28.7	42.4	45.4
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°
2625.2	0°	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2
2628.3	2.5°	2628.3	2626.8	2622.2	2617.7	2607.1	2601.0	2604.1	2601.0	2599.5	2601.0
2647.9	5°	2647.9	2643.4	2631.3	2616.2	2595.0	2569.3	2552.6	2528.4	2505.7	2492.1
2700.9	7.5°	2700.9	2696.4	2679.7	2637.3	2569.3	2461.8	2363.5	2277.2	2212.2	2174.3
2785.6	10°	2785.6	2778.1	2752.3	2658.5	2480.0	2245.5	2050.3	1888.4	1782.4	1732.5
2885.5	12.5°	2885.5	2876.4	2831.0	2638.9	2310.5	1944.3	1675.0	1495.0	1396.6	1352.7
3000.5	15°	3003.5	2991.4	2902.1	2545.0	2063.9	1611.5	1364.8	1230.2	1166.6	1127.3
3147.3	17.5°	3150.3	3129.1	2955.1	2404.3	1796.1	1357.3	1174.2	1072.8	1016.8	979.0
3339.4	20°	3340.9	3306.1	2997.5	2236.4	1549.4	1196.9	1045.6	960.8	918.5	885.2
3611.8	22.5°	3607.2	3557.3	3048.9	2054.8	1375.4	1086.4	950.2	888.2	853.4	815.6
3991.6	25°	3937.1	3878.1	3112.5	1886.8	1255.9	991.1	880.6	829.2	788.3	744.4
4489.4	27.5°	4398.6	4292.7	3188.1	1749.2	1153.0	909.4	817.1	759.6	712.7	676.4
5053.8	30°	4913.1	4739.1	3254.7	1665.9	1059.2	833.7	733.9	676.4	632.5	606.8
5560.7	32.5°	5400.3	5164.2	3298.6	1629.6	974.4	747.5	643.1	581.0	547.7	540.2
6057.0	35°	5860.3	5548.6	3294.0	1594.8	898.8	661.2	553.8	490.2	464.5	469.1
6591.1	37.5°	6389.9	5958.6	3262.3	1540.3	836.7	582.5	476.6	420.6	397.9	399.5
7240.2	40°	7005.7	6432.2	3242.6	1437.5	768.7	509.9	413.1	367.7	351.0	345.0
7924.1	42.5°	7662.4	6890.7	3245.6	1320.9	683.9	444.9	369.2	331.4	316.2	311.7
8685.2	45°	8322.1	7328.0	3250.2	1199.9	594.7	394.9	337.4	305.6	296.6	290.5
9456.9	47.5°	8942.5	7700.2	3165.4	1069.8	506.9	357.1	311.7	290.5	283.0	275.4
10231.6	50°	9520.5	7948.4	2961.2	918.5	437.3	326.8	292.0	276.9	269.3	261.8
10933.7	52.5°	9969.9	7987.7	2623.7	762.6	388.9	304.1	279.9	266.3	257.2	249.7
11501.1	55°	10169.6	7741.1	2144.1	617.3	351.0	284.5	267.8	254.2	243.6	236.0
11947.5	57.5°	10118.2	7222.1	1672.0	496.3	314.7	264.8	252.7	243.6	231.5	219.4
12309.1	60°	9865.5	6527.5	1260.4	413.1	281.4	243.6	236.0	228.5	211.8	193.7
12448.3	62.5°	9428.2	5654.5	898.8	342.0	245.1	219.4	216.4	210.3	186.1	152.8
12242.6	65°	8759.4	4593.8	605.2	284.5	210.3	192.2	193.7	183.1	151.3	113.5
11489.0	67.5°	7781.9	3359.1	387.4	233.0	175.5	160.4	161.9	155.9	128.6	96.8
10060.7	70°	6536.6	2224.3	252.7	177.0	140.7	124.1	133.2	134.7	108.9	78.7
7721.4	72.5°	4792.0	1313.4	177.0	131.6	102.9	86.2	108.9	112.0	87.8	59.0
4645.2	75°	2731.2	623.4	133.2	95.3	63.6	60.5	84.7	84.7	60.5	39.3
2010.9	77.5°	1146.9	260.3	93.8	62.0	36.3	34.8	57.5	53.0	30.3	18.2
490.2	80°	331.4	116.5	49.9	30.3	15.1	13.6	22.7	16.6	7.6	3.0
186.1	82.5°	130.1	51.4	19.7	12.1	6.1	6.1	3.0	0.0	0.0	0.0
105.9	85°	77.2	21.2	9.1	4.5	1.5	0.0	0.0	0.0	0.0	0.0
22.7	87.5°	19.7	4.5	3.0	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°
2625.2
2607.1
2495.1
2175.8
1728.0
1348.2
1128.8
976.0
879.1
809.5
739.9
668.8
602.2
544.7
469.1
405.5
343.5
310.2
290.5
275.4
261.8
248.1
234.5
217.9
190.7
149.8
110.5
92.3
75.7
56.0
36.3
18.2
3.0
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