

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: P942316

Luminaire Tested: **GALN-SB6B-735-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942316  
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-SB6B-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

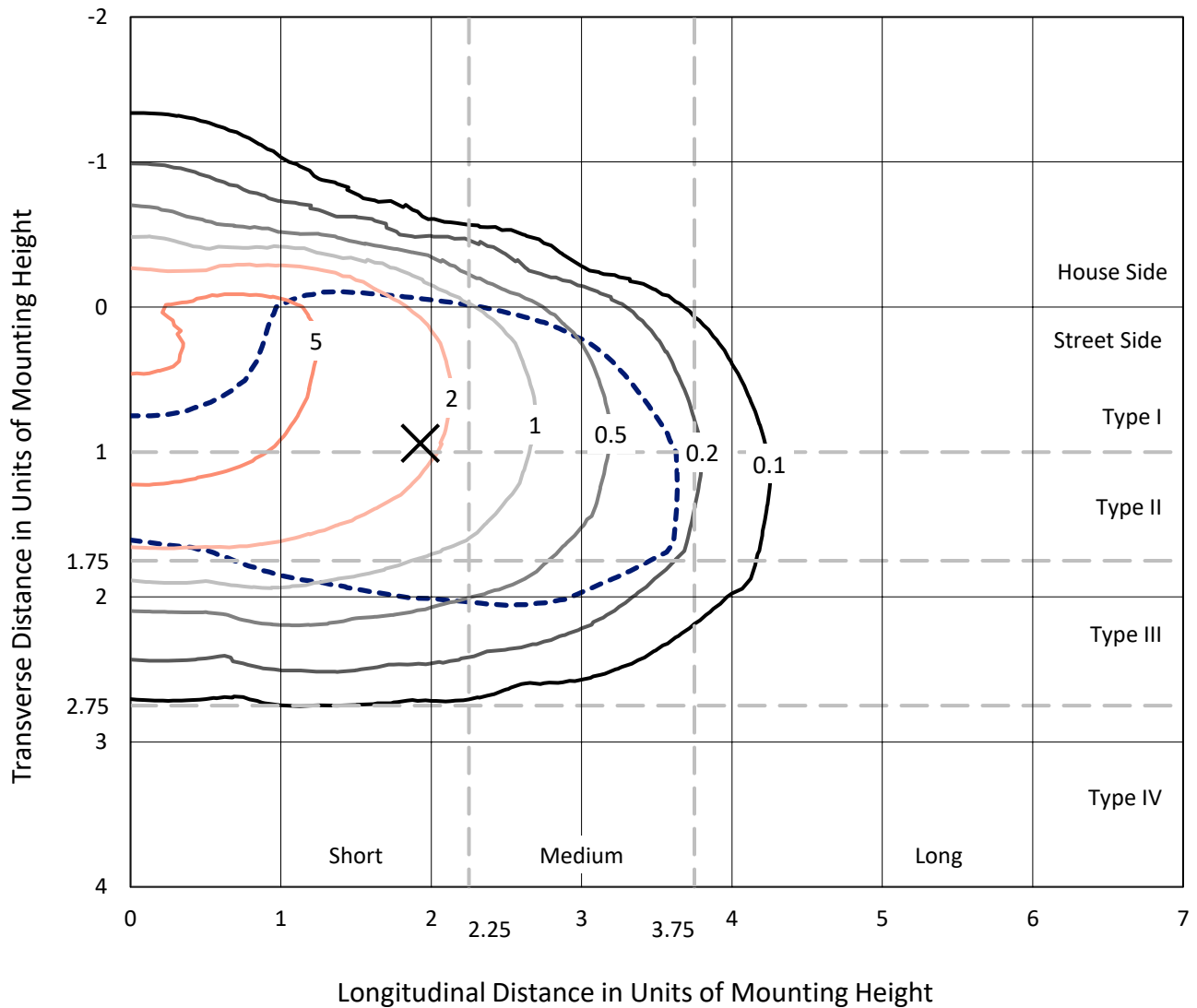
Lumens per Lamp: N/A  
Luminaire Lumens: 26781 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

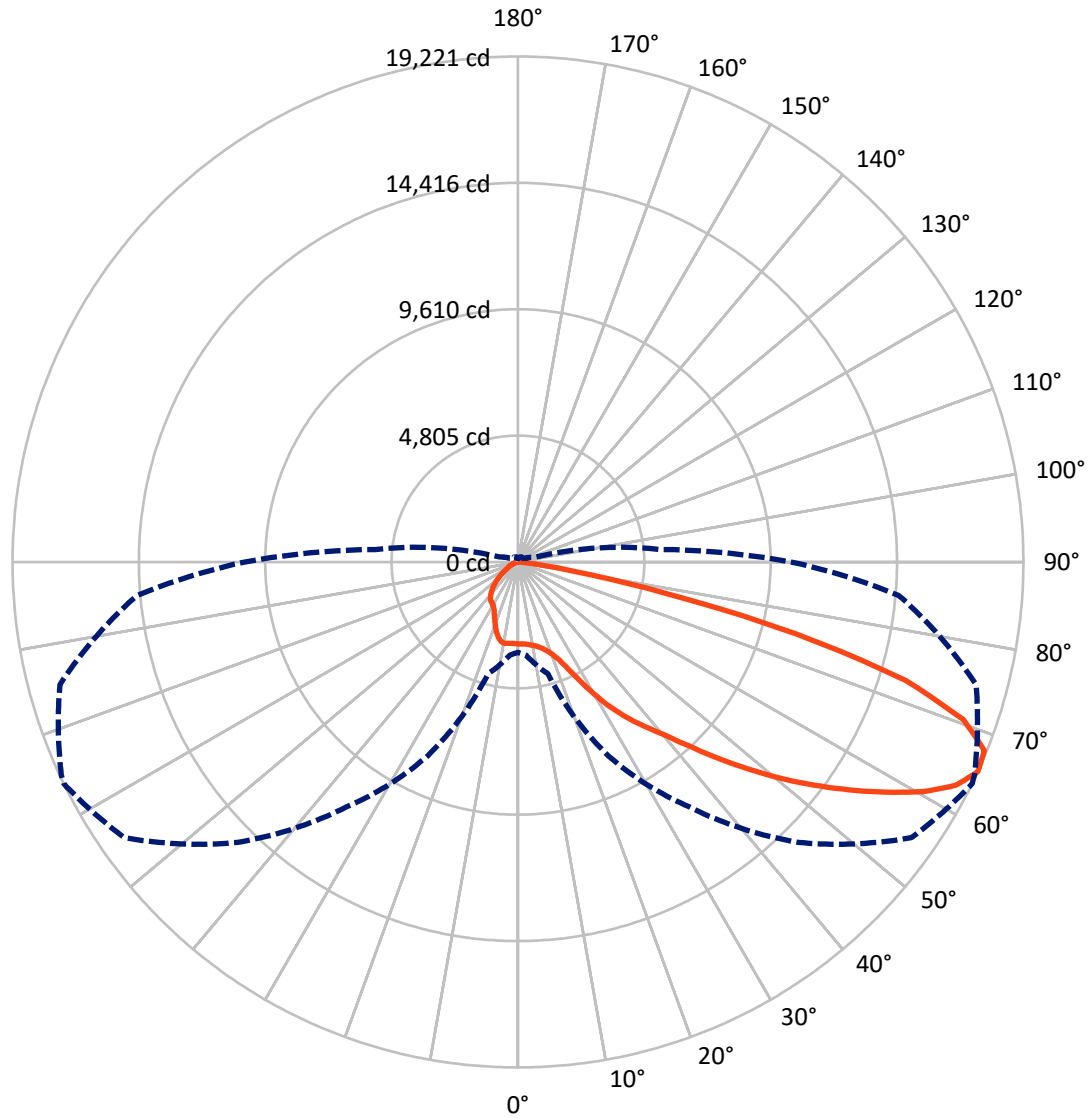
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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
<b>House Side</b>	Lumens	3581.4	0.0	3581.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	23199.6	0.0	23199.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	26781.0	0.0	26781.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.4	1.1
10°-20°	779.5	2.9
20°-30°	1477.0	5.5
30°-40°	2988.8	11.2
40°-50°	5091.4	19.0
50°-60°	6923.9	25.9
60°-70°	6501.9	24.3
70°-80°	2604.9	9.7
80°-90°	126.2	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°	26781.0	100.0
0°-180°	26781.0	100.0

**Coefficient of Utilization**



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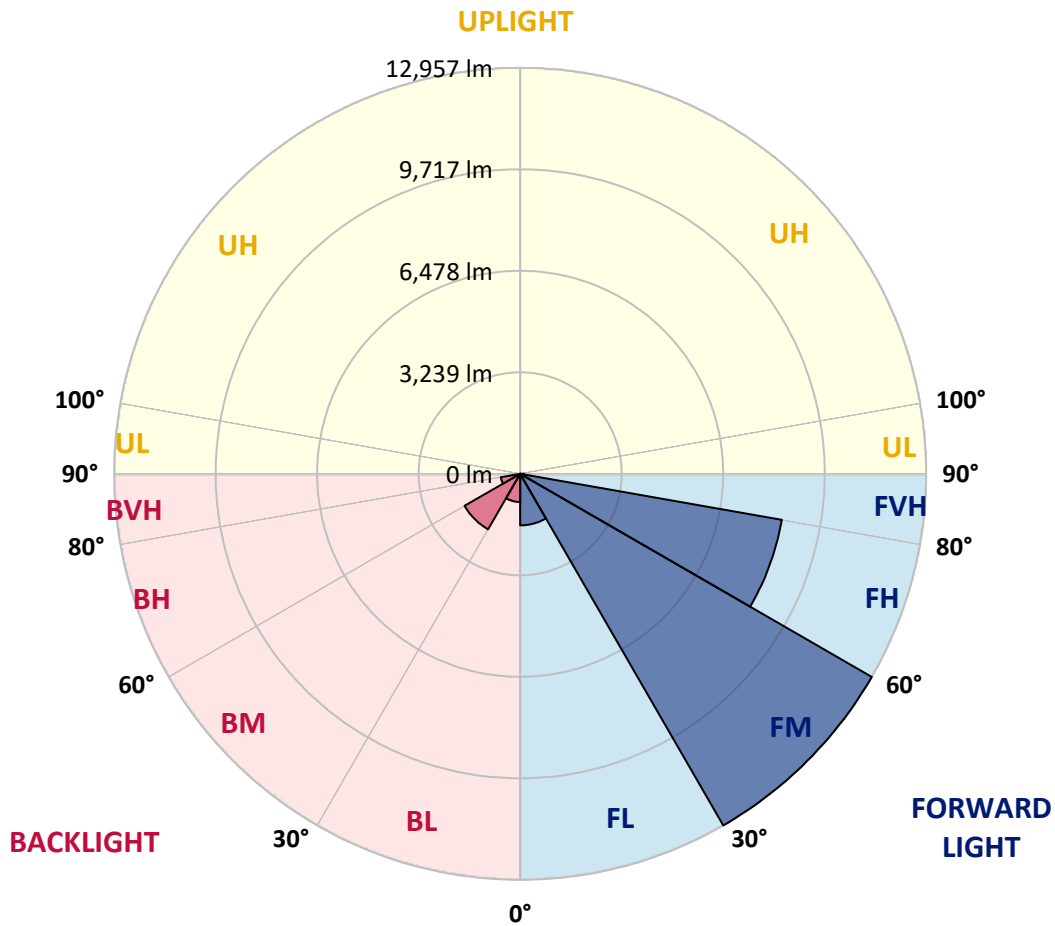
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1644.7	6.1			
FM (30°-60°)	12956.6	48.4			
FH (60°-80°)	8478.3	31.7			G4/12000
FVH (80°-90°)	120.0	0.4			G2/225
BL (0°-30°)	899.2	3.4	B2/1000		
BM (30°-60°)	2047.5	7.6	B2/2500		
BH (60°-80°)	628.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.2	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-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9
2.5°	3104.1	3125.7	3120.3	3114.9	3113.1	3116.7	3118.5	3116.7	3116.7	3116.7
5°	3044.9	3062.8	3062.8	3075.4	3093.4	3114.9	3131.1	3134.7	3138.2	3143.6
7.5°	2931.8	2946.1	2956.9	2998.2	3043.1	3100.5	3149.0	3174.2	3177.7	3197.5
10°	2854.6	2872.5	2890.5	2933.6	2998.2	3084.4	3167.0	3228.0	3237.0	3283.7
12.5°	2851.0	2868.9	2892.3	2939.0	3014.4	3105.9	3206.5	3294.4	3310.6	3378.8
15°	2888.7	2910.2	2931.8	2989.2	3070.0	3181.3	3289.1	3398.6	3414.7	3511.7
17.5°	2965.9	2994.6	3010.8	3068.2	3154.4	3278.3	3420.1	3545.8	3560.2	3673.3
20°	3118.5	3152.6	3158.0	3204.7	3289.1	3421.9	3590.7	3746.9	3764.8	3894.1
22.5°	3434.5	3483.0	3439.9	3463.2	3538.6	3671.5	3854.6	4052.1	4077.2	4224.4
25°	3991.0	4059.3	3947.9	3908.4	3940.8	4079.0	4308.8	4558.4	4587.1	4705.6
27.5°	5084.4	4996.4	4827.7	4662.5	4565.5	4644.5	4903.1	5211.9	5247.8	5362.7
30°	6285.5	6208.3	5980.3	5614.0	5384.2	5371.6	5610.4	5955.1	5996.4	6105.9
32.5°	7488.3	7414.7	7167.0	6716.4	6317.8	6120.3	6285.5	6667.9	6689.4	6759.4
35°	8671.5	8596.1	8348.3	7886.9	7396.8	6948.0	6915.6	7346.5	7353.7	7427.3
37.5°	9861.8	9798.9	9535.0	9082.6	8599.7	7980.3	7680.4	7989.2	7998.2	8070.0
40°	10711.0	10737.9	10556.6	10206.5	9791.8	9114.9	8538.6	8673.3	8619.4	8739.7
42.5°	11439.9	11493.7	11335.8	11159.8	10919.2	10323.2	9601.5	9578.1	9491.9	9556.6
45°	12070.0	12114.9	11973.1	11931.8	11926.4	11508.1	10763.0	10623.0	10502.7	10490.1
47.5°	12301.6	12387.8	12448.9	12587.1	12856.4	12680.5	11964.1	11746.9	11612.2	11513.5
50°	12389.6	12481.2	12689.4	13091.6	13728.9	13804.3	13159.8	12915.6	12750.5	12570.9
52.5°	12271.1	12434.5	12714.6	13391.4	14316.0	14705.6	14307.0	14093.4	13904.9	13612.2
55°	11572.7	11736.1	12308.8	13387.8	14608.7	15337.6	15391.4	15296.3	15084.4	14623.0
57.5°	10100.6	10342.9	11249.6	12931.8	14603.3	15881.5	16454.3	16522.5	16285.5	15624.8
60°	8061.1	8389.6	9495.5	11921.0	14152.6	16176.0	17386.0	17727.2	17475.8	16612.2
62.5°	5624.8	6005.4	7052.1	10337.5	13122.1	15964.1	18066.5	18696.6	18506.3	17495.6
65°	3430.9	3553.0	4396.8	8134.7	11369.9	15077.2	18276.5	19220.9	19158.0	18035.9
67.5°	2285.5	2387.8	2630.2	5578.1	8825.9	13305.2	17773.8	19129.3	19147.3	17948.0
70°	1377.0	1465.0	1623.0	3244.2	5719.9	10531.4	16217.3	17962.3	18066.5	16772.0
72.5°	567.3	626.6	770.2	1470.4	2962.3	6684.0	12913.9	15421.9	15664.3	14102.4
75°	321.4	351.9	452.4	737.9	1285.5	3114.9	7822.3	10948.0	11305.2	9720.0
77.5°	213.6	228.0	292.6	477.6	723.5	1062.8	3342.9	5703.8	6386.0	5308.8
80°	143.6	156.2	201.1	319.6	470.4	456.0	1064.6	2113.1	2599.6	1824.1
82.5°	96.9	98.7	143.6	210.1	298.0	220.8	314.2	657.1	825.9	527.8
85°	55.7	53.9	105.9	122.1	132.9	91.6	95.2	197.5	258.5	222.6
87.5°	7.2	10.8	41.3	32.3	18.0	19.7	19.7	34.1	50.3	53.9
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°
3114.9	0°	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9	3114.9
3118.5	2.5°	3118.5	3116.7	3111.3	3105.9	3093.4	3086.2	3089.8	3086.2	3084.4	3086.2
3141.8	5°	3141.8	3136.5	3122.1	3104.1	3079.0	3048.5	3028.7	3000.0	2973.1	2956.9
3204.7	7.5°	3204.7	3199.3	3179.5	3129.3	3048.5	2921.0	2804.3	2702.0	2624.8	2579.9
3305.2	10°	3305.2	3296.2	3265.7	3154.4	2942.6	2664.3	2432.7	2240.6	2114.9	2055.7
3423.7	12.5°	3423.7	3412.9	3359.1	3131.1	2741.5	2307.0	1987.4	1773.8	1657.1	1605.0
3560.2	15°	3563.7	3549.4	3443.5	3019.8	2448.8	1912.0	1619.4	1459.6	1384.2	1337.5
3734.3	17.5°	3737.9	3712.8	3506.3	2852.8	2131.1	1610.4	1393.2	1272.9	1206.5	1161.6
3962.3	20°	3964.1	3922.8	3556.6	2653.5	1838.4	1420.1	1240.6	1140.0	1089.8	1050.3
4285.5	22.5°	4280.1	4220.8	3617.6	2438.1	1632.0	1289.1	1127.5	1053.9	1012.6	967.7
4736.1	25°	4671.5	4601.4	3693.0	2238.8	1490.1	1175.9	1044.9	983.8	935.4	883.3
5326.8	27.5°	5219.0	5093.4	3782.8	2075.4	1368.0	1079.0	969.5	901.3	845.6	802.5
5996.4	30°	5829.5	5623.0	3861.8	1976.7	1256.7	989.2	870.7	802.5	750.5	719.9
6597.9	32.5°	6407.6	6127.5	3913.8	1933.6	1156.2	886.9	763.0	689.4	649.9	640.9
7186.7	35°	6953.3	6583.5	3908.4	1892.3	1066.4	784.6	657.1	581.7	551.2	556.6
7820.5	37.5°	7581.7	7070.0	3870.7	1827.7	992.8	691.2	565.5	499.1	472.2	474.0
8590.7	40°	8312.4	7632.0	3847.4	1705.6	912.0	605.0	490.1	436.3	416.5	409.3
9402.2	42.5°	9091.6	8176.0	3851.0	1567.3	811.5	527.8	438.1	393.2	375.2	369.8
10305.2	45°	9874.3	8694.8	3856.4	1423.7	705.6	468.6	400.4	362.7	351.9	344.7
11220.9	47.5°	10610.4	9136.5	3755.8	1269.3	601.4	423.7	369.8	344.7	335.7	326.8
12140.1	50°	11296.3	9430.9	3513.5	1089.8	518.9	387.8	346.5	328.5	319.6	310.6
12973.1	52.5°	11829.5	9477.6	3113.1	904.8	461.4	360.9	332.1	316.0	305.2	296.2
13646.4	55°	12066.5	9184.9	2544.0	732.5	416.5	337.5	317.8	301.6	289.0	280.1
14176.0	57.5°	12005.4	8569.1	1983.8	588.9	373.4	314.2	299.8	289.0	274.7	260.3
14605.1	60°	11705.6	7745.1	1495.5	490.1	333.9	289.0	280.1	271.1	251.3	229.8
14770.2	62.5°	11186.7	6709.2	1066.4	405.7	290.8	260.3	256.7	249.6	220.8	181.3
14526.1	65°	10393.2	5450.6	718.1	337.5	249.6	228.0	229.8	217.2	179.5	134.7
13632.0	67.5°	9233.4	3985.6	459.6	276.5	208.3	190.3	192.1	184.9	152.6	114.9
11937.2	70°	7755.9	2639.1	299.8	210.1	167.0	147.2	158.0	159.8	129.3	93.4
9161.6	72.5°	5685.8	1558.4	210.1	156.2	122.1	102.3	129.3	132.9	104.1	70.0
5511.7	75°	3240.6	739.7	158.0	113.1	75.4	71.8	100.5	100.5	71.8	46.7
2386.0	77.5°	1360.9	308.8	111.3	73.6	43.1	41.3	68.2	62.8	35.9	21.5
581.7	80°	393.2	138.2	59.2	35.9	18.0	16.2	26.9	19.7	9.0	3.6
220.8	82.5°	154.4	61.0	23.3	14.4	7.2	7.2	3.6	0.0	0.0	0.0
125.7	85°	91.6	25.1	10.8	5.4	1.8	0.0	0.0	0.0	0.0	0.0
26.9	87.5°	23.3	5.4	3.6	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°
3114.9
3093.4
2960.5
2581.7
2050.3
1599.6
1339.3
1158.0
1043.1
960.5
877.9
793.5
714.5
646.3
556.6
481.2
407.5
368.0
344.7
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310.6
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