

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: P942606

Luminaire Tested: **GALN-SB6C-940-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942606  
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-SB6C-940-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

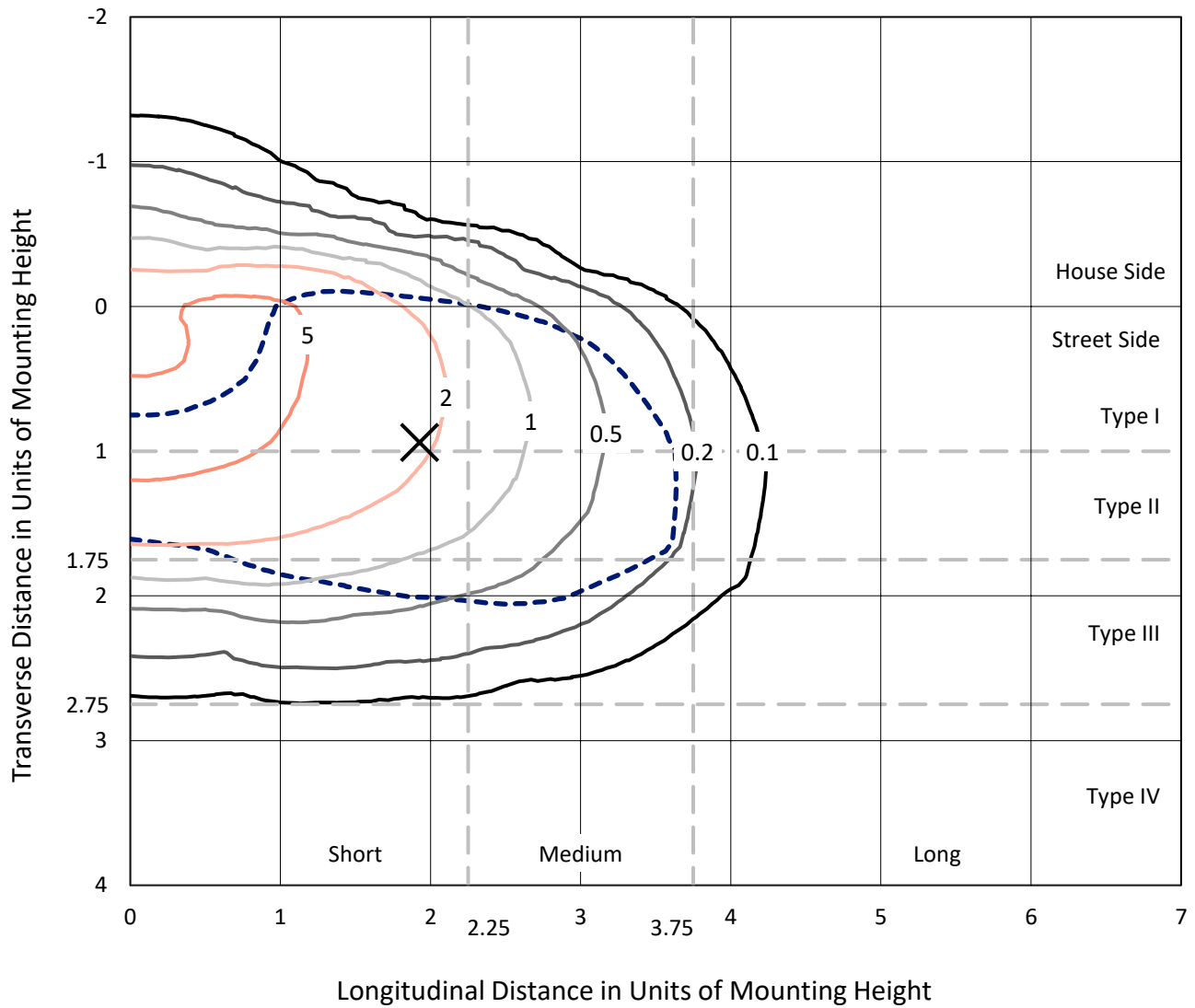
Lumens per Lamp: N/A  
Luminaire Lumens: 25810 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

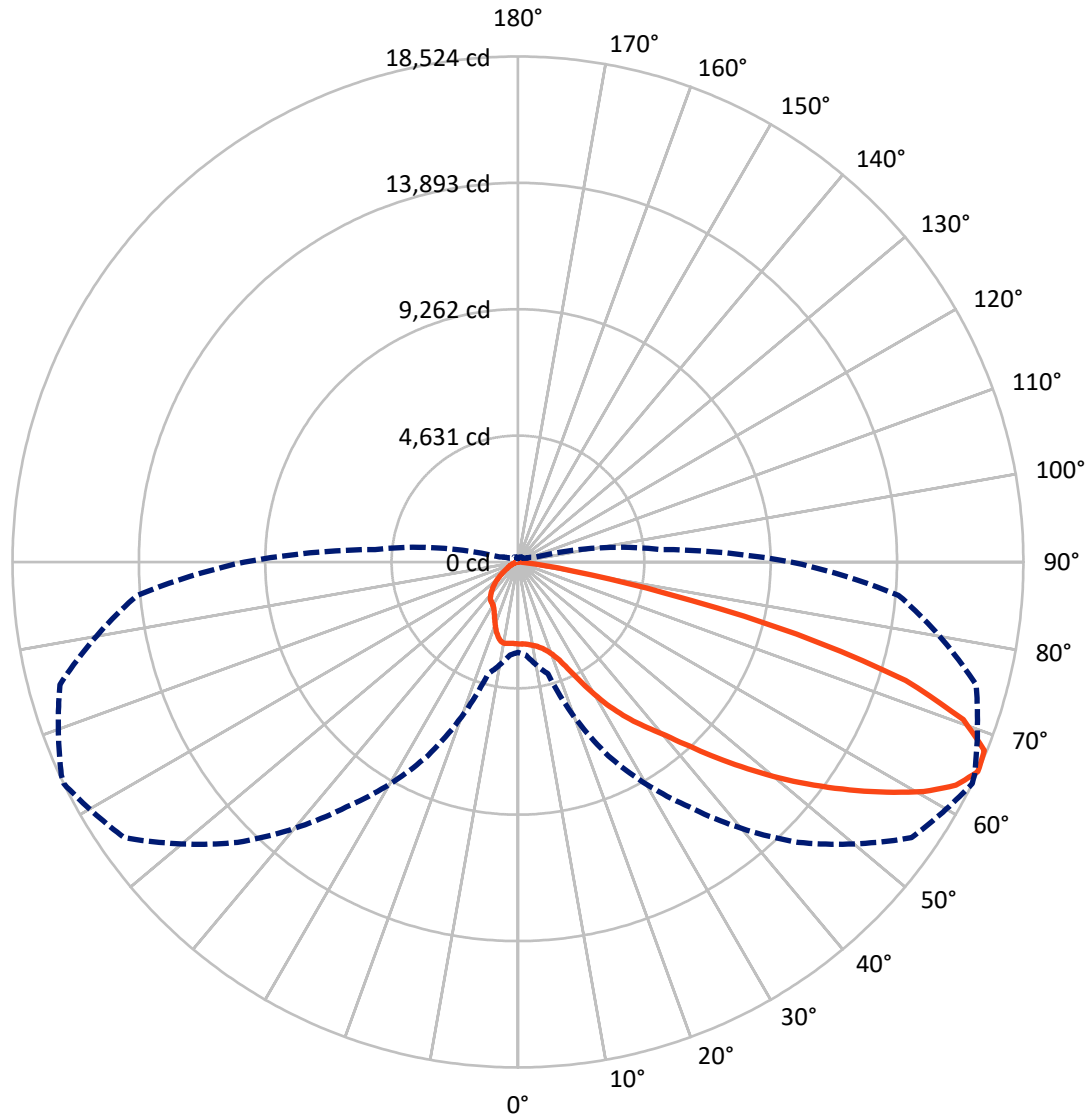
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	3451.6	0.0	3451.6
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	22358.4	0.0	22358.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	25810.0	0.0	25810.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.0	1.1
10°-20°	751.2	2.9
20°-30°	1423.5	5.5
30°-40°	2880.4	11.2
40°-50°	4906.8	19.0
50°-60°	6672.9	25.9
60°-70°	6266.2	24.3
70°-80°	2510.5	9.7
80°-90°	121.6	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°	25810.0	100.0
0°-180°	25810.0	100.0

**Coefficient of Utilization**



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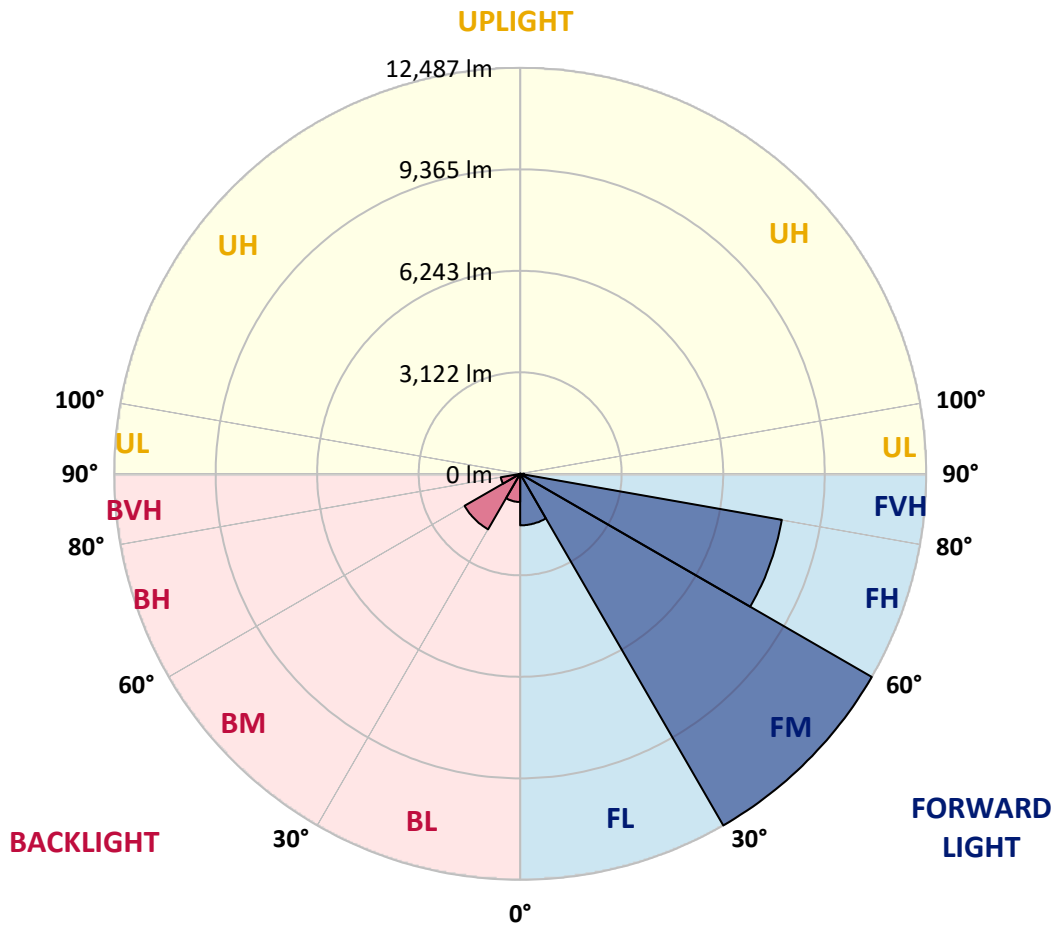
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1585.0	6.1			
FM (30°-60°)	12486.8	48.4			
FH (60°-80°)	8170.9	31.7			G4/12000
FVH (80°-90°)	115.7	0.4			G2/225
BL (0°-30°)	866.6	3.4	B2/1000		
BM (30°-60°)	1973.2	7.6	B2/2500		
BH (60°-80°)	605.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.9	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°	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0
2.5°	2991.6	3012.4	3007.2	3002.0	3000.2	3003.7	3005.4	3003.7	3003.7	3003.7
5°	2934.5	2951.8	2951.8	2963.9	2981.2	3002.0	3017.5	3021.0	3024.5	3029.7
7.5°	2825.5	2839.3	2849.7	2889.5	2932.8	2988.1	3034.8	3059.1	3062.5	3081.6
10°	2751.1	2768.4	2785.7	2827.2	2889.5	2972.6	3052.1	3111.0	3119.6	3164.6
12.5°	2747.6	2764.9	2787.4	2832.4	2905.1	2993.3	3090.2	3175.0	3190.6	3256.3
15°	2784.0	2804.7	2825.5	2880.9	2958.7	3066.0	3169.8	3275.3	3290.9	3384.4
17.5°	2858.4	2886.0	2901.6	2957.0	3040.0	3159.4	3296.1	3417.2	3431.1	3540.1
20°	3005.4	3038.3	3043.5	3088.5	3169.8	3297.8	3460.5	3611.0	3628.3	3752.9
22.5°	3310.0	3356.7	3315.1	3337.6	3410.3	3538.3	3714.8	3905.2	3929.4	4071.3
25°	3846.3	3912.1	3804.8	3766.7	3797.9	3931.1	4152.6	4393.1	4420.8	4535.0
27.5°	4900.0	4815.3	4652.6	4493.4	4400.0	4476.1	4725.3	5022.9	5057.5	5168.2
30°	6057.6	5983.2	5763.4	5410.5	5189.0	5176.9	5407.0	5739.2	5779.0	5884.6
32.5°	7216.8	7145.9	6907.1	6472.8	6088.7	5898.4	6057.6	6426.1	6446.9	6514.4
35°	8357.1	8284.4	8045.6	7601.0	7128.6	6696.0	6664.9	7080.2	7087.1	7158.0
37.5°	9504.2	9443.7	9189.3	8753.3	8287.9	7690.9	7402.0	7699.6	7708.2	7777.4
40°	10322.6	10348.6	10173.8	9836.4	9436.7	8784.4	8229.0	8358.8	8306.9	8422.8
42.5°	11025.1	11077.0	10924.8	10755.2	10523.3	9948.9	9253.3	9230.8	9147.8	9210.1
45°	11632.4	11675.7	11539.0	11499.2	11494.0	11090.9	10372.8	10237.8	10121.9	10109.8
47.5°	11855.6	11938.7	11997.5	12130.7	12390.3	12220.7	11530.3	11321.0	11191.2	11096.0
50°	11940.4	12028.6	12229.4	12616.9	13231.2	13303.8	12682.7	12447.4	12288.2	12115.2
52.5°	11826.2	11983.7	12253.6	12905.9	13797.0	14172.4	13788.3	13582.4	13400.7	13118.7
55°	11153.1	11310.6	11862.5	12902.4	14079.0	14781.5	14833.4	14741.7	14537.5	14092.8
57.5°	9734.3	9967.9	10841.7	12462.9	14073.8	15305.7	15857.7	15923.4	15695.0	15058.3
60°	7768.8	8085.4	9151.3	11488.8	13639.5	15589.5	16755.7	17084.4	16842.2	16009.9
62.5°	5420.9	5787.7	6796.4	9962.7	12646.3	15385.3	17411.4	18018.7	17835.3	16861.2
65°	3306.5	3424.2	4237.4	7839.7	10957.6	14530.6	17613.9	18524.0	18463.4	17382.0
67.5°	2202.6	2301.2	2534.8	5375.9	8505.9	12822.8	17129.4	18435.7	18453.0	17297.2
70°	1327.1	1411.9	1564.1	3126.5	5512.6	10149.6	15629.3	17311.1	17411.4	16163.9
72.5°	546.8	603.9	742.3	1417.1	2854.9	6441.7	12445.6	14862.8	15096.4	13591.1
75°	309.7	339.1	436.0	711.1	1238.9	3002.0	7538.7	10551.0	10895.3	9367.5
77.5°	205.9	219.7	282.0	460.2	697.3	1024.3	3221.7	5497.0	6154.5	5116.3
80°	138.4	150.5	193.8	308.0	453.3	439.5	1026.0	2036.5	2505.4	1757.9
82.5°	93.4	95.2	138.4	202.4	287.2	212.8	302.8	633.3	795.9	508.7
85°	53.6	51.9	102.1	117.7	128.0	88.2	91.7	190.3	249.2	214.6
87.5°	6.9	10.4	39.8	31.1	17.3	19.0	19.0	32.9	48.4	51.9
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°
3002.0	0°	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0
3005.4	2.5°	3005.4	3003.7	2998.5	2993.3	2981.2	2974.3	2977.7	2974.3	2972.6	2974.3
3027.9	5°	3027.9	3022.7	3008.9	2991.6	2967.4	2938.0	2918.9	2891.2	2865.3	2849.7
3088.5	7.5°	3088.5	3083.3	3064.3	3015.8	2938.0	2815.1	2702.6	2604.0	2529.6	2486.4
3185.4	10°	3185.4	3176.7	3147.3	3040.0	2835.9	2567.7	2344.5	2159.3	2038.2	1981.1
3299.6	12.5°	3299.6	3289.2	3237.3	3017.5	2642.1	2223.4	1915.4	1709.5	1597.0	1546.8
3431.1	15°	3434.5	3420.7	3318.6	2910.3	2360.1	1842.7	1560.7	1406.7	1334.0	1289.0
3598.9	17.5°	3602.4	3578.1	3379.2	2749.4	2053.8	1552.0	1342.7	1226.7	1162.7	1119.5
3818.6	20°	3820.4	3780.6	3427.6	2557.3	1771.8	1368.6	1195.6	1098.7	1050.3	1012.2
4130.1	22.5°	4124.9	4067.8	3486.4	2349.7	1572.8	1242.3	1086.6	1015.7	975.9	932.6
4564.4	25°	4502.1	4434.6	3559.1	2157.6	1436.1	1133.3	1007.0	948.2	901.5	851.3
5133.6	27.5°	5029.8	4908.7	3645.6	2000.2	1318.4	1039.9	934.3	868.6	814.9	773.4
5779.0	30°	5618.1	5419.1	3721.8	1905.0	1211.2	953.4	839.2	773.4	723.2	693.8
6358.6	32.5°	6175.2	5905.3	3771.9	1863.5	1114.3	854.7	735.4	664.4	626.3	617.7
6926.2	35°	6701.2	6344.8	3766.7	1823.7	1027.8	756.1	633.3	560.6	531.2	536.4
7536.9	37.5°	7306.8	6813.7	3730.4	1761.4	956.8	666.1	545.0	481.0	455.1	456.8
8279.2	40°	8011.0	7355.3	3707.9	1643.7	879.0	583.1	472.4	420.4	401.4	394.5
9061.3	42.5°	8761.9	7879.5	3711.4	1510.5	782.1	508.7	422.2	378.9	361.6	356.4
9931.6	45°	9516.3	8379.6	3716.6	1372.1	680.0	451.6	385.8	349.5	339.1	332.2
10814.0	47.5°	10225.7	8805.2	3619.7	1223.3	579.6	408.3	356.4	332.2	323.6	314.9
11699.9	50°	10886.7	9089.0	3386.1	1050.3	500.0	373.7	333.9	316.6	308.0	299.3
12502.7	52.5°	11400.6	9134.0	3000.2	872.0	444.7	347.8	320.1	304.5	294.1	285.5
13151.6	55°	11629.0	8851.9	2451.8	705.9	401.4	325.3	306.3	290.7	278.6	269.9
13662.0	57.5°	11570.1	8258.4	1911.9	567.5	359.9	302.8	289.0	278.6	264.7	250.9
14075.5	60°	11281.2	7464.3	1441.3	472.4	321.8	278.6	269.9	261.3	242.2	221.5
14234.7	62.5°	10781.1	6465.9	1027.8	391.0	280.3	250.9	247.4	240.5	212.8	174.8
13999.4	65°	10016.4	5253.0	692.1	325.3	240.5	219.7	221.5	209.4	173.0	129.8
13137.7	67.5°	8898.6	3841.1	442.9	266.5	200.7	183.4	185.1	178.2	147.1	110.7
11504.4	70°	7474.6	2543.5	289.0	202.4	160.9	141.9	152.3	154.0	124.6	90.0
8829.4	72.5°	5479.7	1501.9	202.4	150.5	117.7	98.6	124.6	128.0	100.4	67.5
5311.8	75°	3123.1	712.9	152.3	109.0	72.7	69.2	96.9	96.9	69.2	45.0
2299.5	77.5°	1311.5	297.6	107.3	70.9	41.5	39.8	65.7	60.6	34.6	20.8
560.6	80°	378.9	133.2	57.1	34.6	17.3	15.6	26.0	19.0	8.7	3.5
212.8	82.5°	148.8	58.8	22.5	13.8	6.9	6.9	3.5	0.0	0.0	0.0
121.1	85°	88.2	24.2	10.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0
26.0	87.5°	22.5	5.2	3.5	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

<u>180°</u>
3002.0
2981.2
2853.2
2488.1
1975.9
1541.6
1290.8
1116.0
1005.3
925.7
846.1
764.8
688.6
622.9
536.4
463.7
392.8
354.7
332.2
314.9
299.3
283.8
268.2
249.2
218.0
171.3
126.3
105.5
86.5
64.0
41.5
20.8
3.5
0.0
0.0
0.0
0.0

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