

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: P948742

Luminaire Tested: **GALN-SB3C-950-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

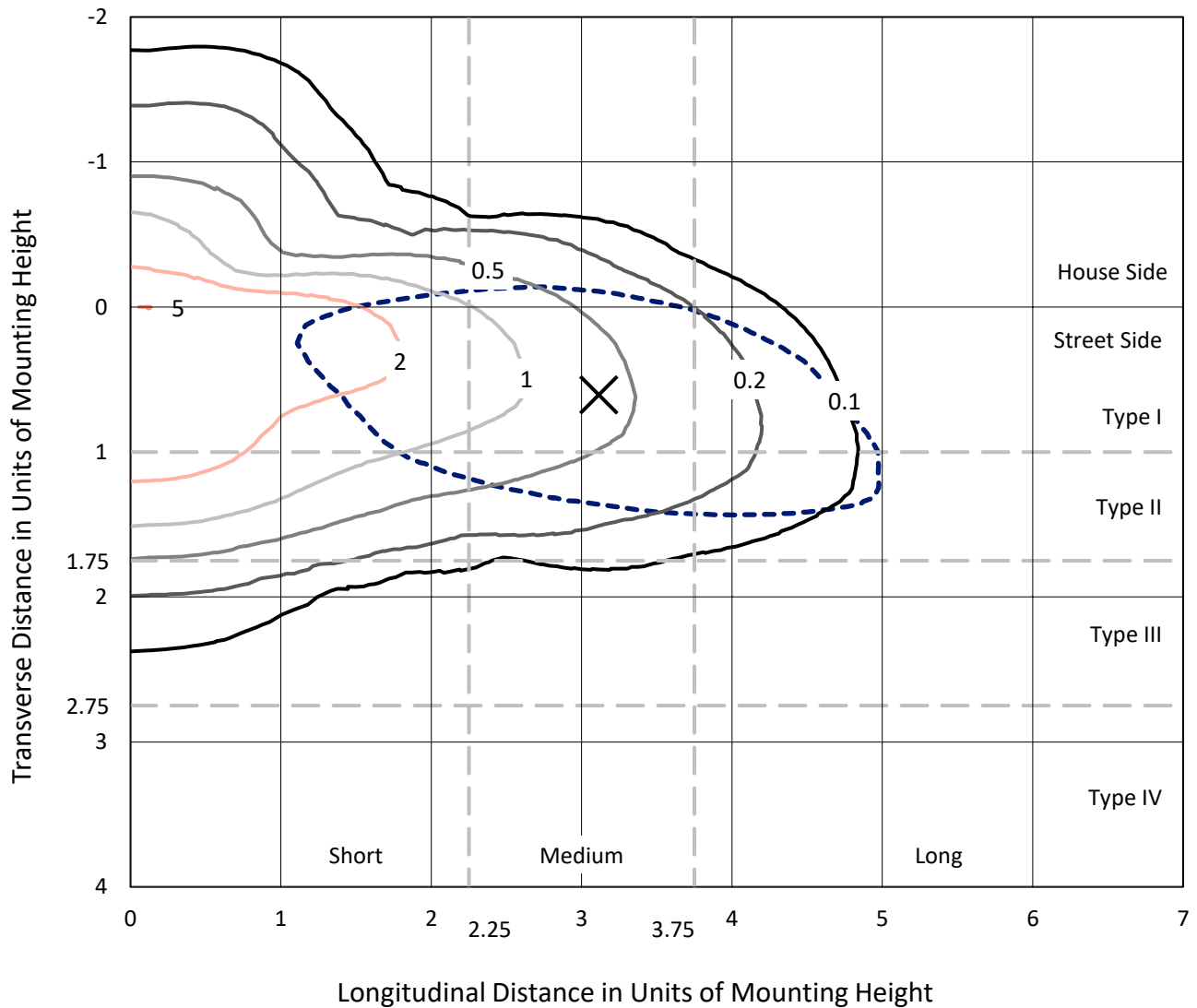
Lumens per Lamp: N/A  
Luminaire Lumens: 15537 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

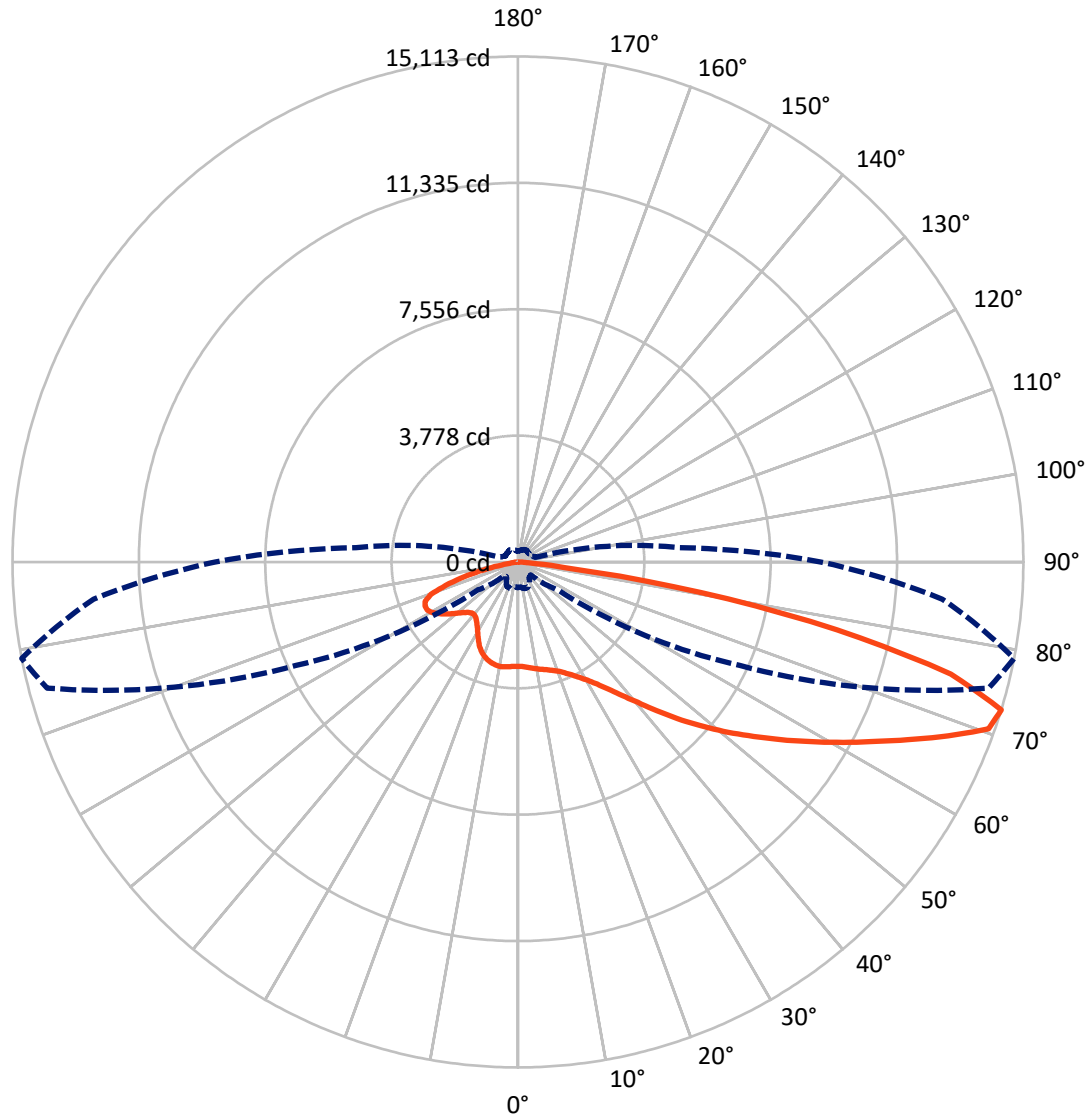
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3419.0	0.0	3419.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	12118.0	0.0	12118.0
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	15537.0	0.0	15537.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.1	1.8
10°-20°	740.2	4.8
20°-30°	1194.3	7.7
30°-40°	1792.6	11.5
40°-50°	2542.8	16.4
50°-60°	3211.3	20.7
60°-70°	3261.5	21.0
70°-80°	2222.8	14.3
80°-90°	288.4	1.9
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°	15537.0	100.0
0°-180°	15537.0	100.0



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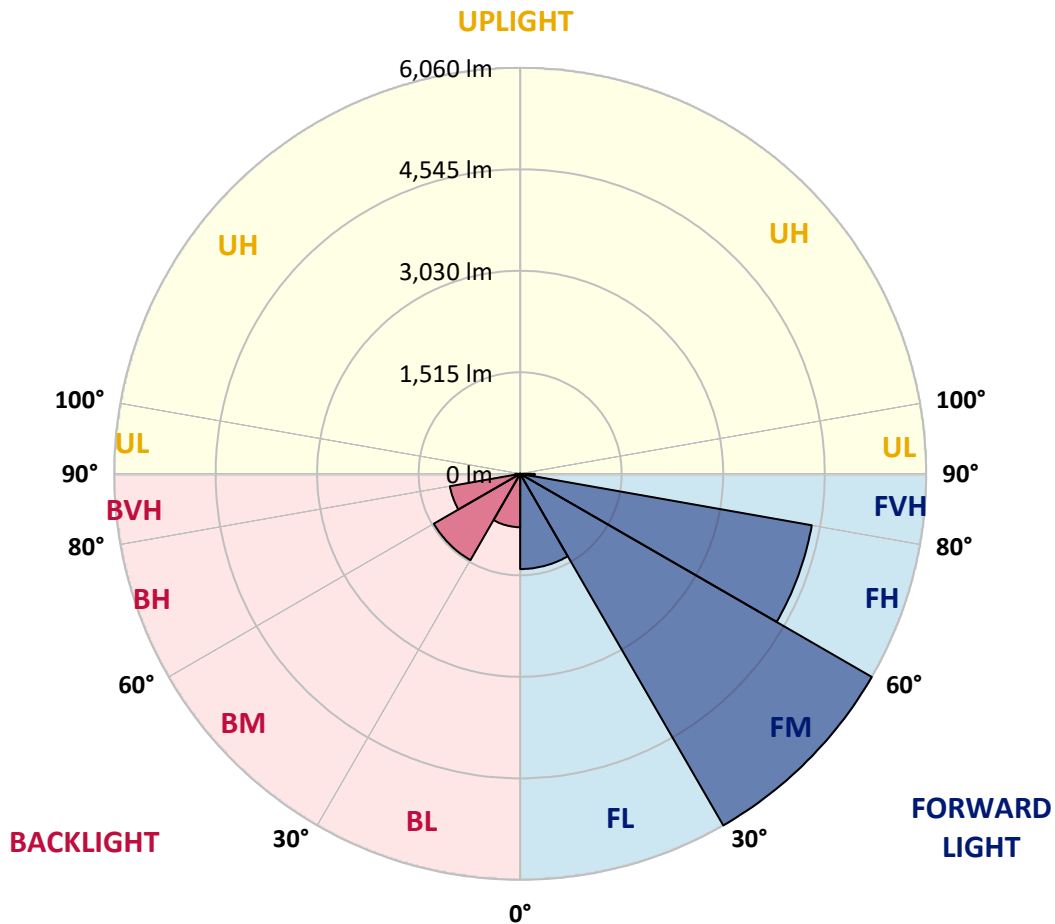
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1421.3	9.1			
FM (30°-60°)	6059.8	39.0			
FH (60°-80°)	4419.8	28.4			G2/5000
FVH (80°-90°)	217.3	1.4			G2/225
BL (0°-30°)	796.4	5.1	B2/1000		
BM (30°-60°)	1486.9	9.6	B2/2500		
BH (60°-80°)	1064.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	71.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9
2.5°	3120.5	3105.8	3114.8	3111.5	3115.6	3120.5	3122.2	3124.7	3132.9	3132.1
5°	3114.0	3099.2	3111.5	3107.4	3118.1	3129.6	3139.5	3148.5	3161.6	3167.4
7.5°	3100.0	3090.1	3102.5	3114.8	3134.5	3151.8	3165.8	3186.3	3205.2	3208.5
10°	3018.6	3011.2	3040.0	3072.1	3126.3	3173.1	3203.6	3227.4	3247.9	3251.2
12.5°	2934.0	2924.9	2957.0	3000.6	3088.5	3173.1	3237.3	3268.5	3286.6	3297.2
15°	2920.0	2912.6	2930.7	2968.5	3041.7	3151.0	3260.3	3317.8	3333.4	3345.7
17.5°	2987.4	2973.4	2980.8	2994.0	3036.7	3130.4	3278.3	3373.7	3397.5	3410.7
20°	3143.6	3123.8	3112.3	3086.0	3078.6	3133.7	3276.7	3441.1	3472.3	3488.7
22.5°	3351.5	3338.3	3313.7	3247.1	3174.8	3174.0	3307.9	3527.4	3585.7	3601.3
25°	3603.0	3583.2	3552.0	3461.6	3322.7	3253.7	3360.5	3637.5	3735.3	3739.4
27.5°	3892.3	3862.7	3819.9	3700.8	3513.4	3378.6	3441.1	3764.1	3907.1	3905.4
30°	4197.2	4167.6	4122.4	3977.7	3741.9	3547.1	3552.8	3900.5	4110.9	4101.8
32.5°	4419.9	4397.7	4388.7	4276.9	4004.9	3746.0	3681.0	4051.7	4362.4	4354.1
35°	4590.8	4562.1	4572.8	4516.0	4291.7	3968.7	3838.0	4231.7	4668.1	4667.3
37.5°	4760.1	4734.7	4743.7	4705.9	4557.1	4251.4	4029.5	4451.9	5047.0	5065.0
40°	4914.6	4887.5	4923.7	4888.3	4763.4	4552.2	4247.3	4701.0	5485.8	5520.3
42.5°	5007.5	4986.1	5046.1	5047.0	4942.6	4806.2	4486.5	4975.5	5993.7	6071.0
45°	5039.6	5032.2	5122.6	5141.5	5101.2	4953.3	4701.8	5274.6	6541.1	6679.1
47.5°	5005.0	4991.1	5116.0	5185.8	5217.9	5022.3	4880.1	5598.4	7099.9	7302.1
50°	4830.8	4803.7	4989.4	5136.5	5250.8	5067.5	5060.1	5972.4	7735.2	7956.3
52.5°	4517.7	4497.1	4708.4	4963.9	5178.5	5089.7	5262.3	6380.8	8338.4	8624.5
55°	4117.4	4090.3	4322.9	4656.6	4998.5	5082.3	5464.5	6837.8	9050.2	9340.3
57.5°	3483.0	3428.7	3723.0	4117.4	4705.1	5073.3	5674.8	7292.2	9773.4	10121.0
60°	2557.6	2477.0	2837.8	3305.5	4131.4	4985.3	5935.4	7801.8	10641.3	10954.4
62.5°	1489.2	1442.3	1678.2	2114.6	3114.0	4467.6	6081.7	8394.3	11494.3	11823.1
65°	1156.3	1143.2	1163.7	1197.4	1733.3	3344.9	5630.5	8972.1	12579.2	12809.3
67.5°	1057.7	1047.9	1056.9	993.6	879.4	1863.1	4454.4	9118.4	13741.3	13881.0
70°	940.2	928.7	958.3	904.0	692.0	847.3	2878.1	8587.5	14665.8	14928.0
72.5°	766.0	752.8	821.8	797.2	582.7	544.1	1445.6	7325.9	14568.9	15112.9
75°	588.4	581.0	663.2	683.8	475.0	428.2	693.6	5445.6	12820.8	13369.0
77.5°	456.9	451.2	493.1	567.9	383.0	332.0	426.5	3454.2	9661.6	9757.8
80°	342.7	326.3	364.9	439.7	298.3	242.4	289.3	2014.3	6107.1	5536.0
82.5°	214.5	206.3	238.3	293.4	210.4	166.8	188.2	1112.8	2447.5	1441.5
85°	122.5	119.2	129.9	167.7	114.2	96.2	107.7	491.5	447.1	307.4
87.5°	49.3	47.7	59.2	74.8	41.9	35.3	37.8	118.3	98.6	91.2
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°
3118.9	0°	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9	3118.9
3131.2	2.5°	3127.9	3127.9	3116.4	3098.4	3077.8	3064.7	3043.3	3037.5	3015.4	3008.8
3159.2	5°	3165.8	3159.2	3123.8	3072.9	3003.0	2938.9	2868.2	2823.9	2761.4	2739.2
3214.2	7.5°	3213.4	3195.3	3134.5	3022.7	2876.5	2732.6	2583.1	2469.6	2361.2	2322.5
3259.4	10°	3257.0	3231.5	3127.9	2932.3	2679.2	2430.2	2191.9	2025.0	1898.5	1846.7
3309.6	12.5°	3300.5	3253.7	3084.4	2781.9	2399.0	2061.2	1807.2	1677.4	1599.3	1536.9
3350.7	15°	3341.6	3275.9	3017.0	2580.6	2091.6	1748.9	1561.5	1458.0	1395.5	1354.4
3410.7	17.5°	3389.3	3294.8	2915.9	2325.0	1799.0	1532.7	1379.9	1317.4	1305.1	1300.2
3492.8	20°	3455.9	3312.0	2782.8	2039.0	1583.7	1360.2	1281.3	1275.5	1274.7	1272.2
3591.5	22.5°	3527.4	3332.6	2606.9	1779.3	1400.4	1252.5	1238.5	1227.0	1219.6	1218.8
3710.6	25°	3612.0	3339.2	2386.6	1566.4	1244.3	1201.5	1185.1	1167.8	1162.9	1162.9
3846.2	27.5°	3694.2	3317.0	2130.2	1381.5	1156.3	1154.7	1133.3	1127.6	1126.8	1129.2
4000.7	30°	3776.4	3275.1	1875.5	1210.6	1105.4	1105.4	1098.0	1102.1	1105.4	1113.6
4212.8	32.5°	3887.3	3230.7	1662.6	1084.0	1061.0	1052.8	1060.2	1068.4	1071.7	1082.4
4491.4	35°	4050.1	3199.4	1493.3	1015.0	1015.0	1004.3	1008.4	1006.8	999.4	994.4
4828.3	37.5°	4265.4	3197.8	1353.6	982.9	976.4	974.7	975.5	964.8	936.1	901.6
5236.0	40°	4524.3	3242.2	1245.9	960.7	955.8	965.7	960.7	932.0	853.1	793.1
5737.3	42.5°	4871.9	3368.7	1176.9	933.6	948.4	960.7	941.0	841.6	788.2	747.9
6308.5	45°	5281.2	3574.2	1141.5	904.9	934.4	949.2	853.9	810.3	767.6	719.1
6931.4	47.5°	5744.7	3833.1	1133.3	877.7	903.2	912.2	816.9	797.2	748.7	696.1
7557.7	50°	6249.3	4139.6	1155.5	845.7	858.0	826.8	804.6	786.5	736.4	684.6
8199.6	52.5°	6771.2	4477.4	1199.9	802.1	812.8	778.3	799.7	784.0	729.0	659.1
8862.8	55°	7284.0	4817.7	1242.6	751.2	766.8	734.7	785.7	774.2	695.3	616.4
9570.4	57.5°	7805.1	5156.3	1284.5	706.0	722.4	692.8	763.5	747.9	657.5	576.9
10342.9	60°	8346.7	5485.0	1304.3	662.4	673.9	654.2	729.8	702.7	614.7	536.7
11102.3	62.5°	8853.7	5758.7	1272.2	618.8	626.2	618.0	685.4	649.3	572.0	491.5
11893.8	65°	9362.5	5921.4	1173.6	576.1	577.8	573.6	623.0	591.7	521.9	452.0
12586.6	67.5°	9823.5	6012.6	1016.6	530.1	526.0	524.3	564.6	529.3	473.4	412.6
13113.4	70°	9921.3	5780.9	776.6	475.8	475.8	471.7	500.5	464.3	420.0	370.7
12736.1	72.5°	9061.7	4862.9	551.5	414.2	420.8	412.6	436.4	406.0	365.7	332.8
10976.6	75°	7307.0	3566.0	401.1	350.9	362.4	348.5	370.7	349.3	314.8	313.9
7564.3	77.5°	5020.7	2205.0	290.9	289.3	297.5	279.4	304.9	293.4	262.2	248.2
3292.3	80°	2142.6	879.4	212.0	223.5	223.5	207.1	236.7	240.0	212.9	206.3
635.3	82.5°	426.5	249.8	148.8	153.7	144.6	139.7	167.7	185.7	256.4	285.2
191.5	85°	128.2	92.0	89.6	83.8	74.0	74.8	98.6	186.6	230.1	131.5
63.3	87.5°	35.3	23.0	23.8	18.9	15.6	20.5	33.7	141.4	77.3	32.9
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>
3118.9
3019.5
2755.6
2327.5
1858.2
1557.4
1361.8
1303.4
1280.4
1227.8
1167.8
1135.8
1119.4
1091.4
1005.9
902.4
791.4
746.2
715.8
692.0
678.8
654.2
612.3
575.3
534.2
490.6
447.1
407.6
369.0
<b>323.0</b>
282.7
232.6
206.3
286.0
113.4
27.9
0.0

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