

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: P948372

Luminaire Tested: **GALN-SB3B-940-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-940-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

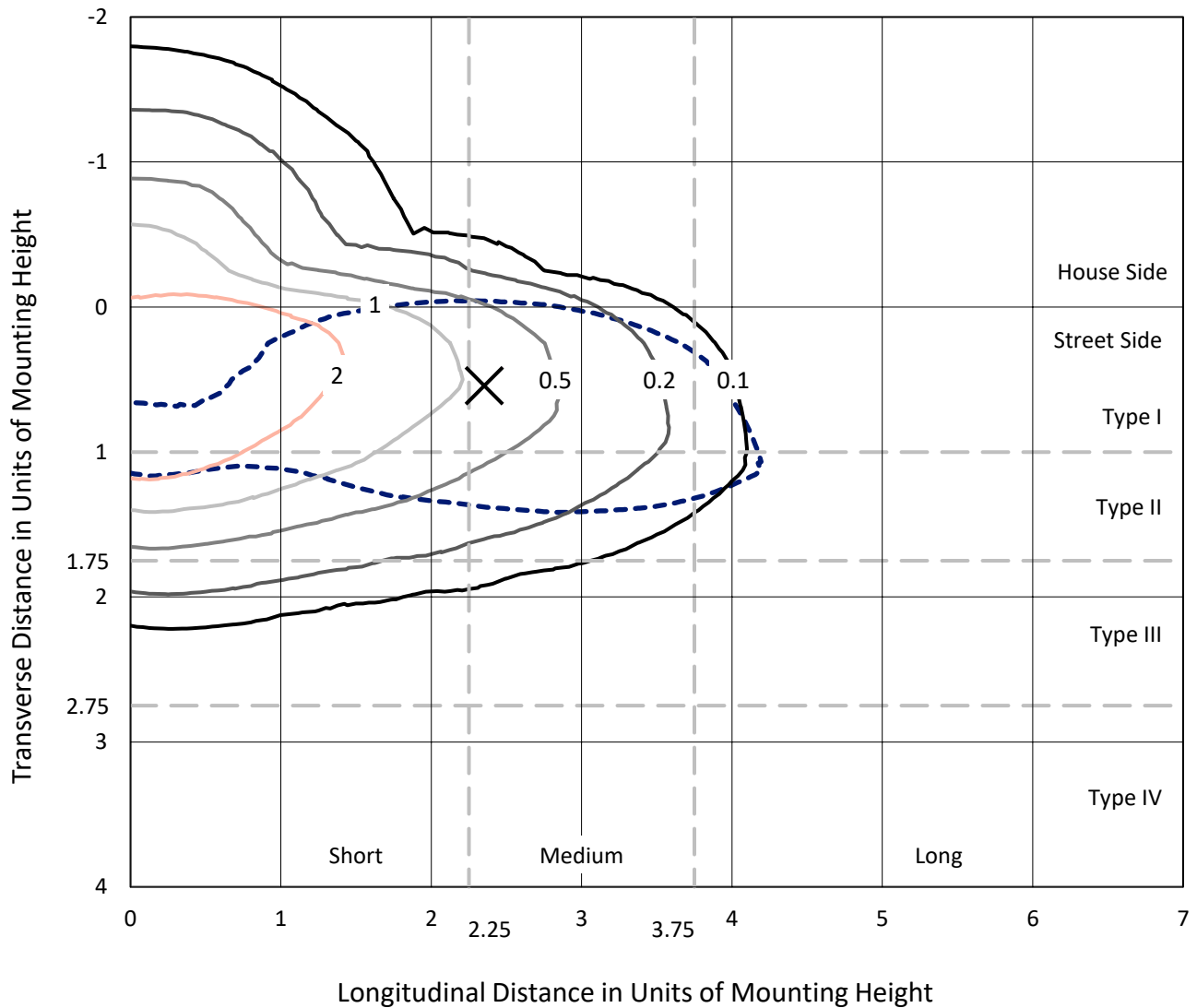
Lumens per Lamp: N/A  
Luminaire Lumens: 12470 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

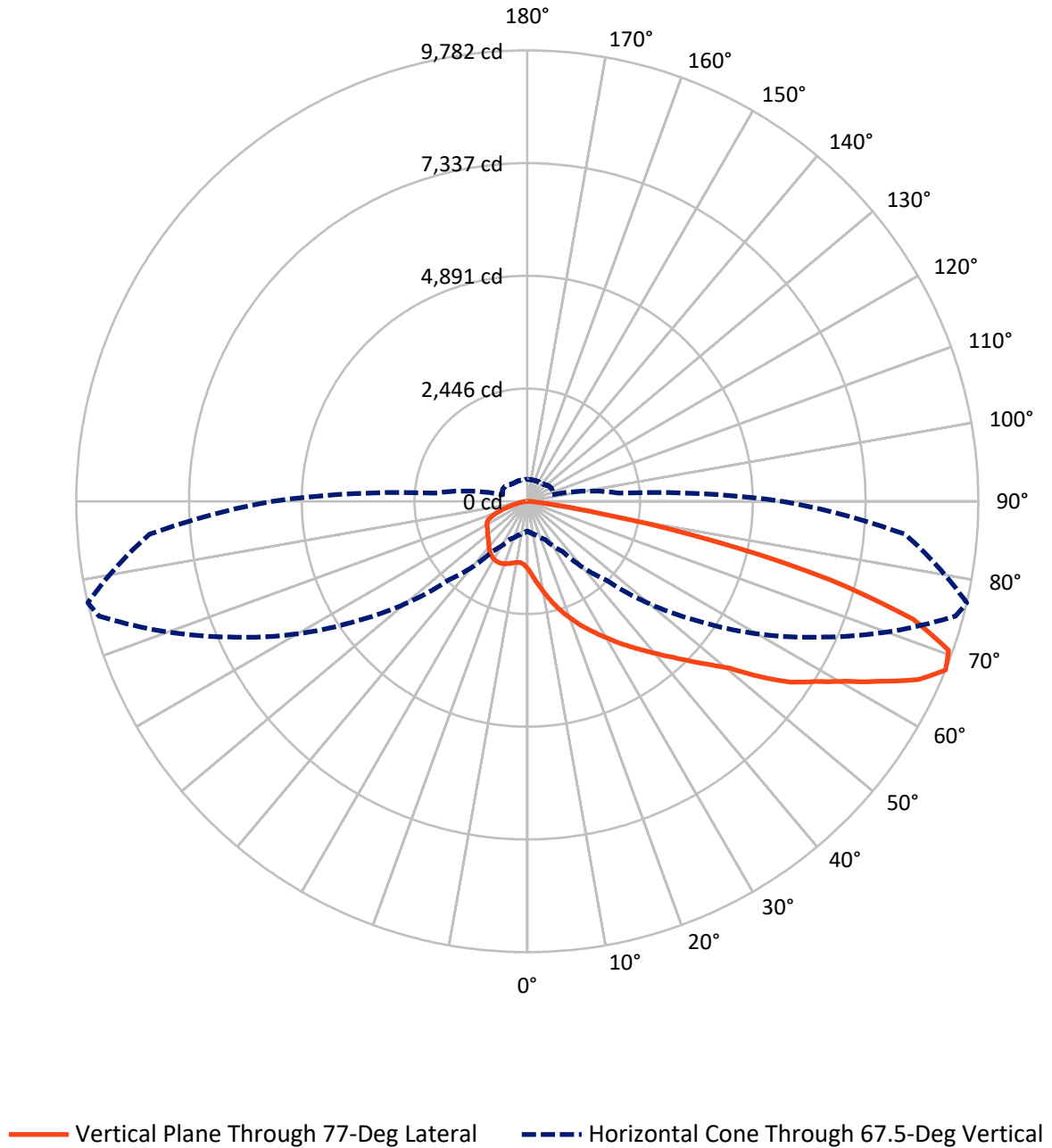
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2358.8	0.0	2358.8
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	10111.2	0.0	10111.2
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	12470.0	0.0	12470.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.8	1.3
10°-20°	563.4	4.5
20°-30°	1063.8	8.5
30°-40°	1713.7	13.7
40°-50°	2344.1	18.8
50°-60°	2644.1	21.2
60°-70°	2468.0	19.8
70°-80°	1352.9	10.8
80°-90°	163.2	1.3
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°	12470.0	100.0
0°-180°	12470.0	100.0

**Coefficient of Utilization**



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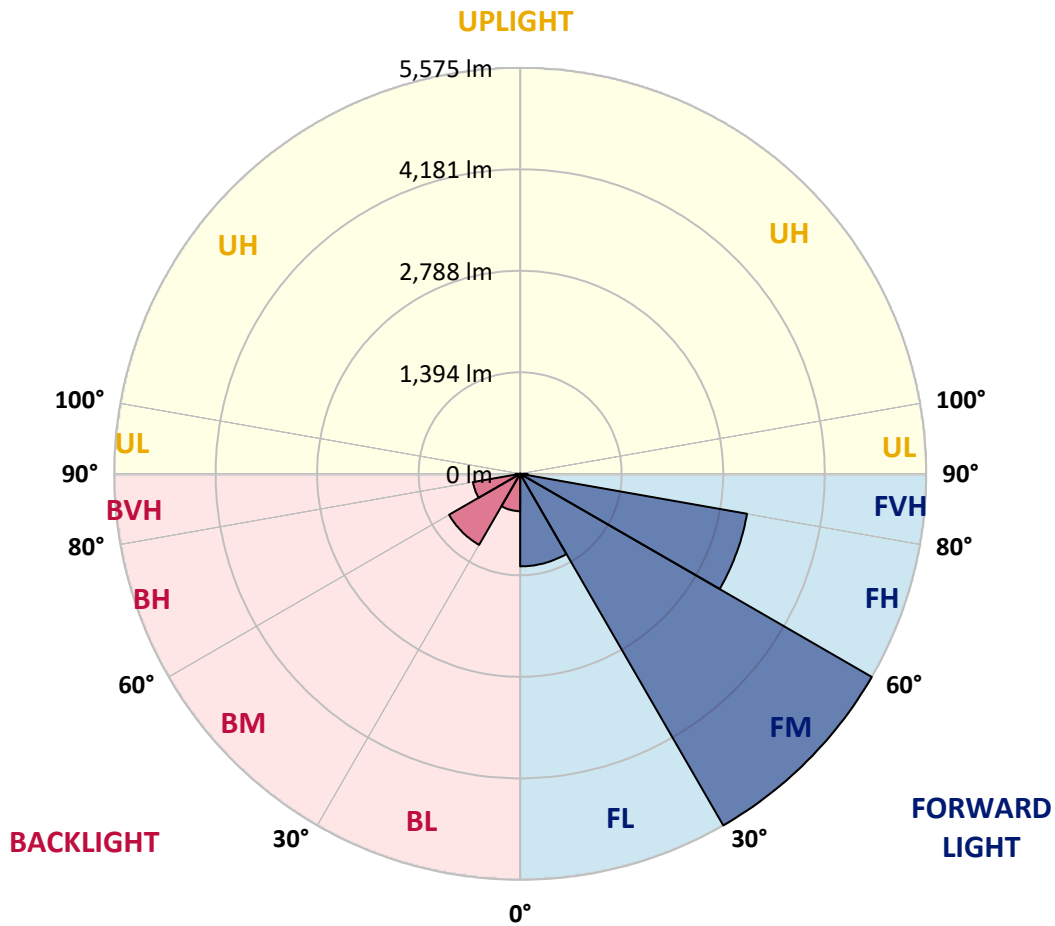
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.2	10.2			
FM (30°-60°)	5575.2	44.7			
FH (60°-80°)	3162.8	25.4			G2/5000
FVH (80°-90°)	102.0	0.8			G2/225
BL (0°-30°)	512.9	4.1	B2/1000		
BM (30°-60°)	1126.8	9.0	B2/2500		
BH (60°-80°)	658.1	5.3	B2/1000		G2/1000
BVH (80°-90°)	61.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1
2.5°	1832.0	1844.8	1828.7	1828.7	1774.7	1746.3	1692.3	1651.1	1577.1	1564.2
5°	2165.4	2181.5	2159.0	2149.3	2085.6	2027.0	1936.2	1846.8	1714.8	1701.3
7.5°	2423.5	2444.1	2424.2	2413.9	2357.2	2291.6	2185.3	2060.5	1874.4	1848.0
10°	2634.0	2637.2	2630.8	2634.6	2590.2	2536.2	2427.4	2281.9	2049.5	2013.5
12.5°	2753.1	2767.9	2780.8	2803.9	2796.2	2762.7	2664.9	2491.1	2234.9	2188.6
15°	2809.1	2834.8	2863.8	2917.2	2960.4	2968.7	2894.1	2715.7	2423.5	2367.5
17.5°	2829.0	2853.5	2899.2	2976.4	3069.1	3131.6	3098.1	2934.0	2610.2	2545.8
20°	2930.1	2937.2	2964.9	3038.2	3138.7	3242.3	3267.4	3143.8	2794.9	2722.2
22.5°	3146.4	3132.2	3139.9	3173.4	3245.5	3345.9	3403.2	3329.2	2984.8	2901.1
25°	3503.6	3462.4	3421.2	3382.6	3419.3	3476.0	3541.0	3514.6	3183.7	3077.5
27.5°	3954.9	3904.7	3813.9	3687.1	3642.7	3662.6	3691.6	3686.4	3367.8	3260.3
30°	4399.0	4340.4	4232.3	4048.8	3931.7	3878.9	3857.0	3842.2	3568.0	3453.4
32.5°	4753.7	4707.3	4601.1	4395.8	4225.9	4135.7	4063.0	4010.2	3777.2	3662.6
35°	5063.9	5020.8	4899.2	4675.2	4490.4	4394.5	4299.2	4186.6	3994.8	3878.9
37.5°	5347.2	5304.0	5137.3	4904.3	4718.3	4652.0	4567.0	4375.8	4213.0	4103.6
40°	5526.1	5516.5	5360.7	5096.8	4903.7	4870.8	4842.5	4595.3	4455.0	4353.3
42.5°	5571.8	5593.1	5469.5	5252.6	5068.5	5042.1	5108.4	4843.8	4726.7	4629.5
45°	5461.8	5522.9	5441.8	5294.4	5185.6	5171.4	5344.0	5115.4	5027.3	4938.4
47.5°	5183.0	5286.7	5253.2	5232.6	5217.1	5278.3	5551.2	5403.8	5367.8	5290.5
50°	4620.4	4816.8	4875.3	5005.4	5154.7	5361.3	5739.8	5718.6	5765.6	5687.7
52.5°	3647.8	3918.2	4258.0	4583.8	4962.9	5333.7	5947.1	6170.5	6368.7	6326.2
55°	3011.2	3132.9	3394.2	3991.6	4590.8	5217.1	6040.4	6535.4	6967.4	6929.4
57.5°	2522.0	2630.8	2791.7	3290.6	4028.2	4952.6	6098.4	6758.2	7377.4	7373.5
60°	1997.4	2112.6	2277.4	2630.8	3371.0	4495.6	6085.5	7011.8	7900.7	7932.9
62.5°	1405.2	1532.0	1714.8	2044.4	2699.7	3903.4	5822.9	7195.2	8516.7	8604.3
65°	923.7	1007.4	1145.1	1429.6	2011.5	3141.9	5321.4	7219.0	9175.9	9323.9
67.5°	647.6	679.7	760.8	915.3	1326.0	2409.3	4522.6	6972.5	9615.5	9782.2
70°	505.3	521.4	562.6	624.4	832.9	1620.2	3465.7	6331.4	9521.5	9695.3
72.5°	436.4	451.9	467.3	475.0	558.7	1000.3	2347.6	5293.7	8636.5	8754.3
75°	395.9	399.7	412.6	410.0	426.1	648.8	1355.0	3857.0	6814.2	6773.6
77.5°	332.8	337.9	359.2	356.0	378.5	443.5	703.6	2489.2	4417.7	4142.2
80°	281.9	284.5	307.7	303.8	328.9	321.2	359.2	1268.7	1873.8	1587.4
82.5°	97.8	121.0	234.9	242.0	251.0	194.4	207.3	517.5	572.2	438.4
85°	47.6	50.9	119.7	169.9	169.3	97.8	101.1	184.7	180.2	141.6
87.5°	7.7	9.7	14.2	66.3	52.8	25.7	34.8	36.0	37.3	32.2
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°
1463.1	0°	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1	1463.1
1515.3	2.5°	1479.2	1447.0	1379.4	1317.0	1268.1	1221.1	1194.7	1172.2	1159.3	1156.7
1586.1	5°	1519.1	1452.8	1329.9	1226.2	1158.7	1108.4	1082.1	1065.3	1056.9	1051.8
1681.3	7.5°	1576.4	1479.2	1304.1	1186.3	1115.5	1079.5	1066.0	1063.4	1062.7	1063.4
1796.6	10°	1655.6	1522.3	1301.6	1176.7	1117.5	1097.5	1096.9	1097.5	1100.1	1100.7
1922.1	12.5°	1741.2	1566.8	1311.9	1185.0	1141.9	1131.0	1129.0	1128.4	1130.3	1131.6
2048.9	15°	1834.5	1625.3	1329.2	1203.1	1168.9	1157.4	1155.4	1151.6	1150.9	1150.3
2182.1	17.5°	1930.4	1683.3	1348.5	1222.4	1186.3	1170.2	1163.2	1154.1	1147.1	1145.1
2319.9	20°	2027.6	1740.6	1362.1	1232.0	1187.6	1165.1	1150.9	1135.5	1123.2	1116.2
2458.9	22.5°	2131.3	1800.4	1370.4	1229.5	1176.0	1145.1	1119.4	1101.4	1082.7	1070.5
2599.2	25°	2232.3	1852.6	1369.8	1215.9	1153.5	1114.2	1081.4	1058.2	1032.5	1019.6
2744.1	27.5°	2329.5	1899.5	1353.7	1192.1	1121.3	1077.5	1038.3	1010.6	985.5	973.3
2890.2	30°	2429.9	1938.8	1328.6	1157.4	1083.3	1035.1	991.9	968.1	945.6	934.0
3044.7	32.5°	2529.7	1974.9	1293.2	1114.2	1039.6	993.2	950.7	928.9	915.3	915.3
3210.7	35°	2635.3	2000.0	1246.2	1064.0	993.2	948.8	915.3	902.5	901.2	893.4
3386.5	37.5°	2746.6	2016.1	1188.9	1012.5	947.5	905.7	895.4	879.9	867.1	850.3
3579.6	40°	2863.8	2032.1	1120.0	959.1	899.2	876.1	871.6	851.0	814.3	773.1
3798.4	42.5°	3006.1	2043.1	1048.6	905.7	848.4	840.7	847.1	811.7	753.1	722.2
4062.4	45°	3170.8	2061.1	982.9	852.9	796.3	796.3	823.3	776.9	728.7	709.4
4363.6	47.5°	3384.5	2103.0	921.8	795.0	748.0	760.8	770.5	735.1	708.1	684.2
4730.5	50°	3693.5	2203.4	858.7	736.4	711.3	737.0	723.5	702.9	671.4	652.1
5313.7	52.5°	4077.2	2262.6	802.7	683.6	679.7	705.5	686.2	666.9	643.1	617.3
5755.9	55°	4338.5	2273.5	755.7	645.0	658.5	655.9	648.8	631.5	618.6	584.5
6192.3	57.5°	4630.7	2295.4	717.1	621.8	645.0	616.7	614.1	599.3	582.5	559.4
6724.7	60°	4980.3	2329.5	683.6	612.8	633.4	590.9	578.0	572.2	555.5	543.9
7365.2	62.5°	5361.3	2360.4	649.5	614.1	619.9	565.8	546.5	544.6	534.3	530.4
7966.4	65°	5621.4	2276.1	607.0	612.8	598.6	540.1	515.6	515.0	506.6	505.3
8227.1	67.5°	5530.6	2009.0	549.7	594.8	576.8	514.3	487.3	484.7	473.8	474.4
7954.8	70°	5076.2	1627.9	470.5	550.4	549.7	491.1	457.7	449.3	434.5	437.1
6916.5	72.5°	4223.9	1206.3	364.3	476.3	506.6	469.9	423.6	410.0	391.4	393.9
5105.8	75°	3050.5	820.1	265.2	362.4	440.9	444.8	390.1	366.9	344.4	348.2
2841.9	77.5°	1561.0	464.7	195.0	249.8	346.3	404.2	359.8	328.9	323.8	359.8
819.4	80°	509.2	233.0	135.2	175.1	227.2	330.9	315.4	280.0	278.7	287.1
171.9	82.5°	151.9	98.5	86.9	115.2	125.5	253.6	272.3	211.8	182.2	191.8
57.3	85°	52.1	47.6	49.6	57.3	59.9	148.7	190.5	140.3	132.6	146.1
12.9	87.5°	12.2	16.7	14.2	12.9	12.9	36.0	74.0	58.6	81.1	54.1
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>
1463.1
1156.7
1051.2
1065.3
1101.4
1132.3
1149.6
1147.1
1118.7
1071.1
1019.6
972.6
933.4
916.0
891.5
847.7
767.3
722.9
712.6
683.6
650.1
612.2
585.1
551.6
547.1
530.4
504.7
474.4
439.6
393.3
349.5
354.7
246.5
198.3
144.2
52.1
0.0

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