

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: P948373

Luminaire Tested: **GALN-SB3B-940-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948373  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
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-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

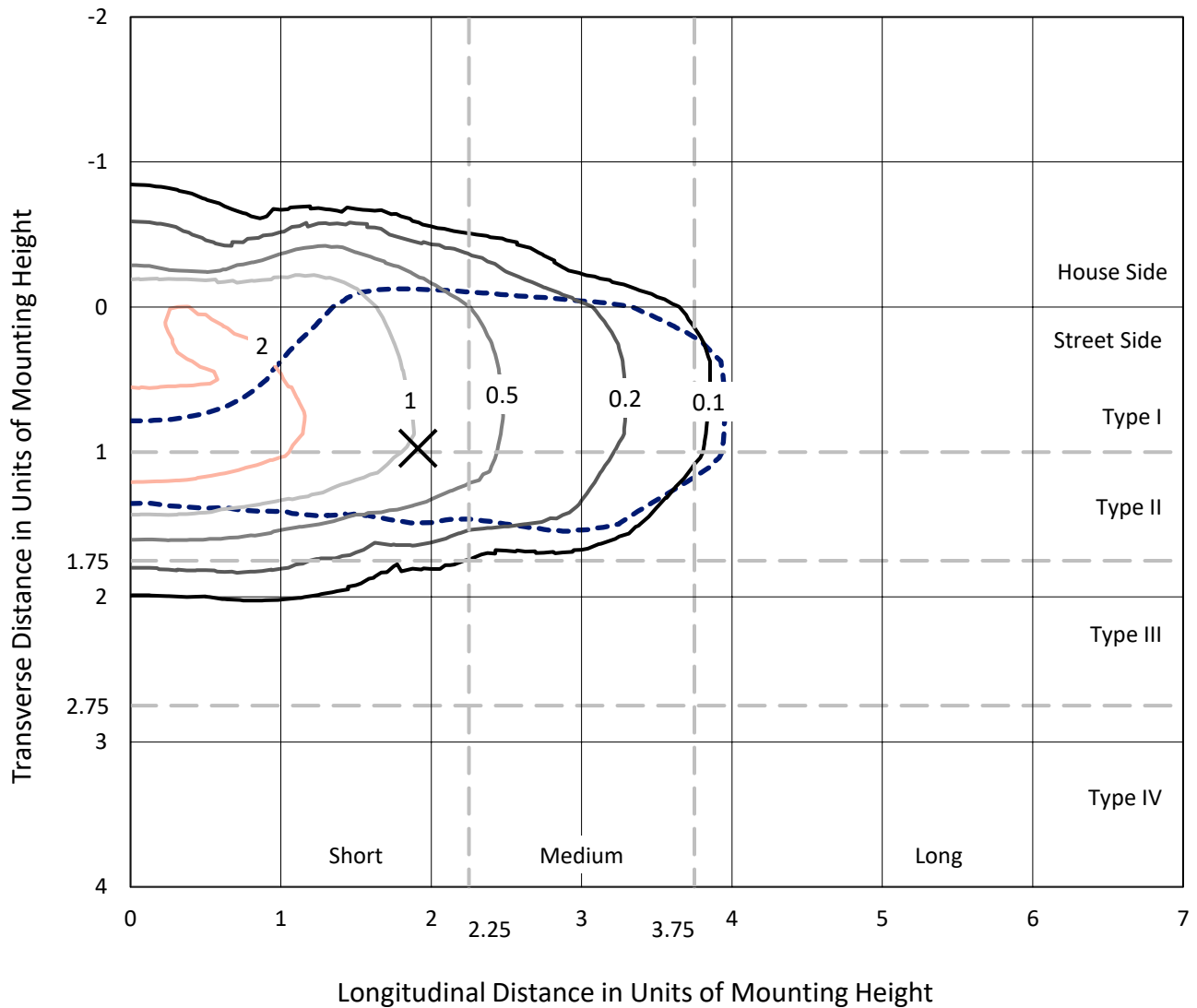
Lumens per Lamp: N/A  
Luminaire Lumens: 9357 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

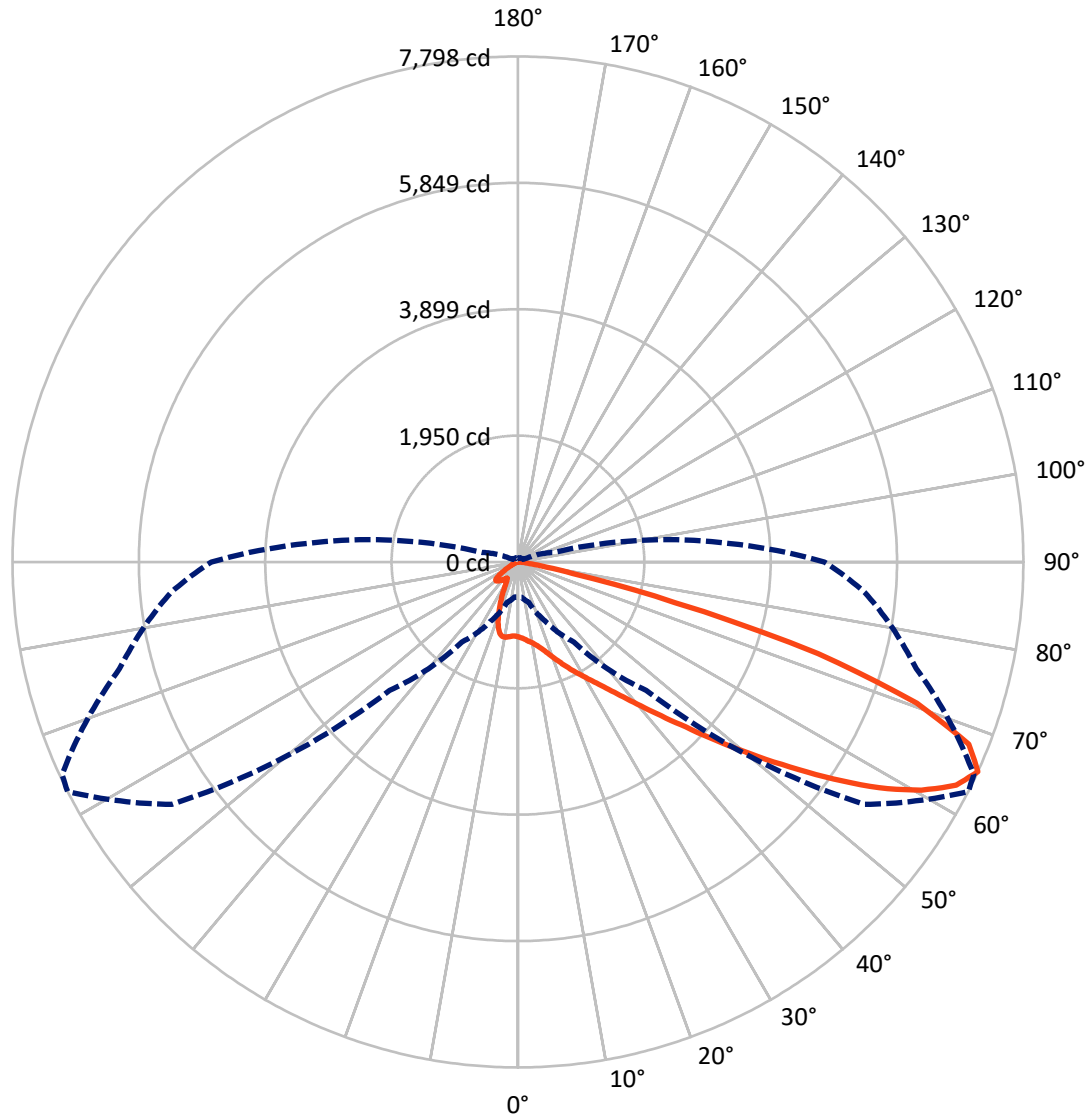
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1375.4	0.0	1375.4
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	7981.6	0.0	7981.6
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	9357.0	0.0	9357.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.8	1.2
10°-20°	301.9	3.2
20°-30°	525.7	5.6
30°-40°	947.5	10.1
40°-50°	1879.2	20.1
50°-60°	2559.7	27.4
60°-70°	2043.2	21.8
70°-80°	924.6	9.9
80°-90°	66.5	0.7
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°	9357.0	100.0
0°-180°	9357.0	100.0

**Coefficient of Utilization**



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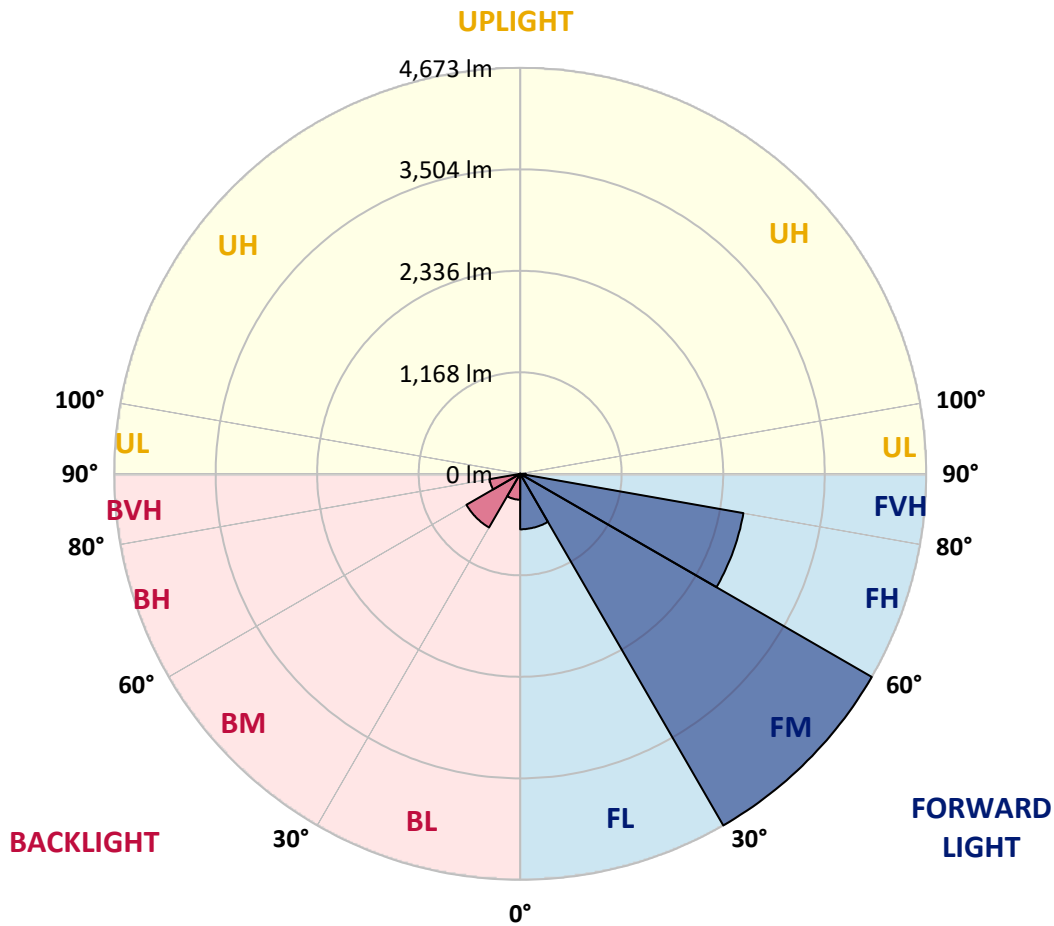
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	638.7	6.8			
FM (30°-60°)	4672.6	49.9			
FH (60°-80°)	2608.7	27.9			G2/5000
FVH (80°-90°)	61.5	0.7			G1/100
BL (0°-30°)	297.7	3.2	B1/500		
BM (30°-60°)	713.8	7.6	B1/1000		
BH (60°-80°)	359.1	3.8	B1/500		G1/500
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1181.9	1178.6	1183.2	1181.2	1179.9	1177.4	1176.1	1174.8	1172.2	1170.3
5°	1185.1	1183.2	1187.7	1191.5	1195.4	1199.2	1201.2	1203.8	1201.2	1196.0
7.5°	1158.0	1156.8	1166.4	1178.0	1195.4	1210.2	1226.3	1235.3	1235.9	1234.0
10°	1156.1	1152.9	1162.6	1176.7	1199.2	1225.6	1254.0	1273.3	1275.8	1284.2
12.5°	1186.4	1183.2	1196.7	1212.1	1235.3	1263.0	1297.7	1324.8	1328.6	1340.2
15°	1237.2	1232.7	1248.2	1268.1	1297.7	1329.3	1366.0	1390.4	1393.7	1407.8
17.5°	1296.4	1291.9	1310.0	1331.2	1363.4	1406.5	1449.0	1476.0	1479.9	1488.9
20°	1372.4	1366.6	1380.8	1400.1	1434.2	1485.7	1536.6	1575.2	1574.5	1574.5
22.5°	1460.6	1451.6	1463.8	1479.3	1511.5	1573.9	1641.5	1687.2	1687.2	1669.2
25°	1555.2	1546.2	1559.7	1573.9	1602.2	1673.0	1752.2	1808.8	1811.4	1780.5
27.5°	1673.7	1662.1	1672.4	1689.1	1705.9	1777.9	1871.9	1937.6	1938.9	1891.2
30°	1901.5	1868.7	1836.5	1818.5	1826.2	1897.7	1998.1	2070.8	2077.3	2011.6
32.5°	2318.7	2312.2	2198.9	2050.9	1973.6	2026.4	2139.1	2226.6	2230.5	2146.2
35°	2966.9	2959.2	2777.0	2495.1	2243.4	2198.9	2310.3	2413.9	2411.4	2316.1
37.5°	3740.6	3733.6	3493.5	3116.2	2708.8	2459.6	2531.1	2639.9	2656.0	2531.1
40°	4401.7	4375.4	4223.4	3859.7	3326.7	2892.2	2845.2	2917.3	2934.1	2786.0
42.5°	4902.6	4880.0	4802.8	4575.5	4074.7	3532.1	3215.4	3243.1	3261.7	3084.1
45°	5162.0	5156.8	5187.7	5166.5	4836.9	4317.4	3744.5	3629.3	3636.4	3414.3
47.5°	5198.7	5196.1	5337.1	5536.6	5492.2	5203.2	4423.6	4110.8	4085.7	3787.0
50°	4982.4	4977.2	5247.6	5621.6	5929.9	5947.3	5194.8	4653.4	4598.1	4172.6
52.5°	4291.7	4290.4	4734.5	5357.0	6083.8	6598.8	5957.0	5249.5	5156.8	4580.7
55°	3302.3	3326.1	3835.3	4571.0	5803.1	6912.2	6641.2	5911.3	5769.0	4991.4
57.5°	2339.3	2374.0	2877.4	3532.7	4932.8	6726.9	7104.1	6574.3	6421.1	5400.8
60°	1256.5	1287.4	1791.5	2573.6	3669.8	6035.5	7348.0	7149.8	7004.9	5789.6
62.5°	748.6	758.9	967.5	1661.4	2482.2	4611.0	7244.4	7588.2	7469.1	6116.0
65°	537.5	539.4	644.4	1014.5	1506.9	2801.5	6517.6	7798.0	7761.3	6361.9
67.5°	452.5	451.2	495.0	674.0	1026.7	1403.3	4995.3	7501.2	7657.0	6517.6
70°	388.2	390.1	441.6	493.7	771.8	794.3	2483.5	6531.2	6863.3	6558.8
72.5°	289.0	295.5	343.1	450.0	582.6	546.5	857.4	4842.7	5443.3	6179.7
75°	204.1	207.3	241.4	378.5	434.5	397.8	437.7	2503.4	3273.3	4737.8
77.5°	157.1	162.9	182.8	264.6	428.1	279.4	267.8	866.4	1331.2	2862.0
80°	85.0	95.3	132.0	191.2	300.6	197.6	132.6	345.0	451.2	1338.3
82.5°	43.8	48.9	92.1	137.8	171.2	172.5	65.7	143.5	186.0	413.3
85°	17.4	21.2	61.8	76.0	88.2	85.0	29.6	57.9	66.9	114.6
87.5°	3.9	6.4	22.5	17.4	16.7	18.0	7.1	13.5	12.9	13.5
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°
1154.8	0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
1162.6	2.5°	1161.9	1159.3	1152.3	1144.5	1135.5	1130.4	1127.2	1126.5	1122.0	1118.8
1188.3	5°	1181.2	1178.6	1165.1	1149.0	1131.7	1118.1	1105.3	1093.7	1076.9	1073.7
1225.6	7.5°	1219.8	1212.8	1190.9	1169.0	1136.2	1096.9	1049.3	994.5	945.6	930.8
1275.2	10°	1267.5	1257.8	1230.1	1191.5	1118.8	1011.9	896.7	789.8	704.9	681.1
1333.8	12.5°	1321.6	1313.2	1276.5	1205.0	1046.0	852.3	675.9	543.3	460.9	440.3
1396.2	15°	1385.9	1373.7	1322.8	1184.4	916.0	647.6	464.1	385.6	356.0	352.1
1467.7	17.5°	1454.2	1434.2	1364.0	1110.4	740.9	460.3	358.6	336.0	323.1	319.3
1539.8	20°	1516.6	1490.9	1388.5	998.4	553.6	358.6	321.2	306.4	294.8	290.3
1611.9	22.5°	1579.0	1542.3	1388.5	845.8	415.2	318.0	294.8	281.3	267.8	262.0
1689.1	25°	1644.1	1595.1	1364.0	675.9	334.1	291.6	269.7	254.9	243.3	236.2
1762.5	27.5°	1707.1	1639.6	1308.0	515.0	297.4	268.4	246.5	232.4	221.4	216.3
1842.3	30°	1767.0	1683.3	1229.5	390.7	273.6	245.9	225.3	213.1	202.1	197.0
1946.0	32.5°	1848.1	1738.7	1145.8	320.6	253.0	224.7	206.0	194.4	184.7	180.9
2080.5	35°	1960.8	1820.4	1073.7	314.8	235.6	207.3	188.6	177.7	168.0	164.8
2254.3	37.5°	2120.4	1952.4	1035.7	353.4	221.4	191.8	174.4	162.9	153.8	151.3
2475.1	40°	2317.4	2131.4	1056.3	392.0	211.8	178.3	161.6	150.0	142.3	139.0
2728.7	42.5°	2551.1	2352.1	1170.3	421.6	205.3	166.7	149.3	136.5	131.3	130.0
3016.5	45°	2819.5	2594.8	1344.7	453.2	195.0	155.8	137.1	127.5	123.6	123.0
3329.3	47.5°	3124.6	2861.3	1546.9	492.4	184.7	145.5	127.5	121.0	117.8	116.5
3655.7	50°	3427.2	3129.8	1754.8	514.3	176.4	135.8	119.7	114.6	112.0	111.4
4000.7	52.5°	3743.9	3405.9	1922.8	493.7	169.3	128.1	113.3	109.4	106.9	106.2
4318.7	55°	4045.8	3629.3	1951.8	419.1	155.1	120.4	106.2	104.3	101.1	101.1
4641.2	57.5°	4305.8	3741.3	1747.1	307.7	141.0	108.8	99.1	97.2	94.6	94.0
4932.2	60°	4544.7	3709.1	1348.6	207.3	125.5	97.2	90.1	88.8	86.3	83.0
5185.2	62.5°	4679.2	3567.5	922.4	135.2	110.1	85.0	79.8	79.2	73.4	66.9
5372.5	65°	4730.0	3276.5	575.5	98.5	92.1	72.7	68.9	67.6	59.2	52.1
5478.7	67.5°	4685.6	2797.6	290.3	77.9	72.7	60.5	56.6	56.6	50.9	44.4
5472.2	70°	4508.0	2097.2	122.3	62.4	56.0	46.3	46.3	48.9	43.1	36.0
5188.4	72.5°	4122.4	1411.0	65.0	47.6	41.8	32.8	38.0	39.9	34.1	27.0
4246.6	75°	3277.2	860.7	45.1	35.4	26.4	23.2	29.0	30.3	23.2	18.0
2911.5	77.5°	2241.4	494.4	30.3	22.5	16.7	13.5	20.0	18.7	12.2	8.4
1122.6	80°	984.2	206.0	17.4	10.3	6.4	5.1	7.1	5.1	3.9	2.6
153.8	82.5°	115.2	48.3	6.4	3.9	2.6	1.3	0.6	0.0	0.0	0.0
47.0	85°	23.8	5.8	3.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0
8.4	87.5°	4.5	1.3	0.6	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

<u>180°</u>
1154.8
1122.0
1072.4
923.7
672.0
434.5
348.3
317.4
287.7
258.8
233.7
216.3
197.6
180.9
164.8
150.6
138.4
130.0
122.3
116.5
111.4
106.2
100.4
93.3
82.4
65.7
51.5
43.8
35.4
27.0
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