

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: P940326

Luminaire Tested: **GALN-SB3B-830-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940326  
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-SB3B-830-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

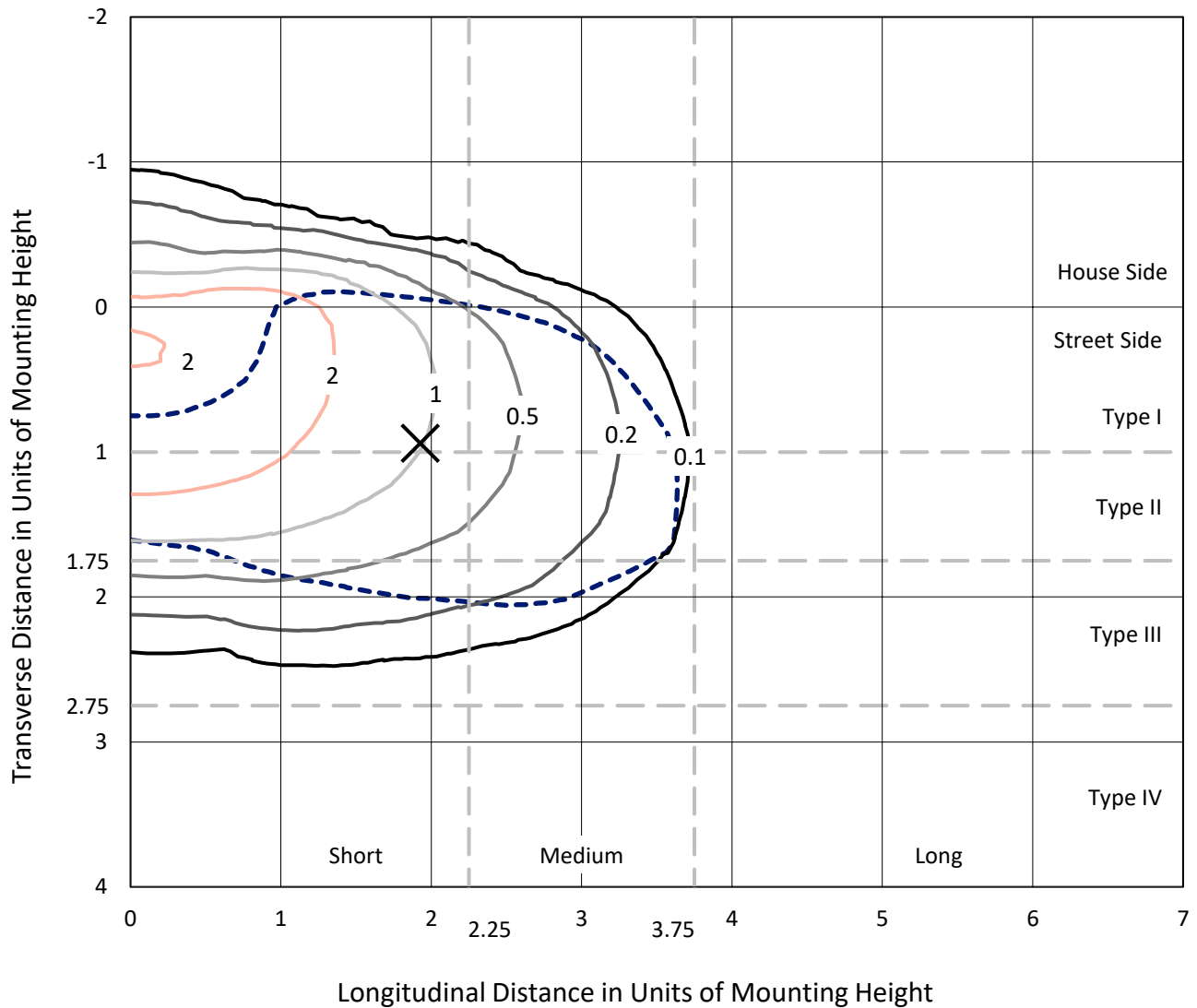
Lumens per Lamp: N/A  
Luminaire Lumens: 11906 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

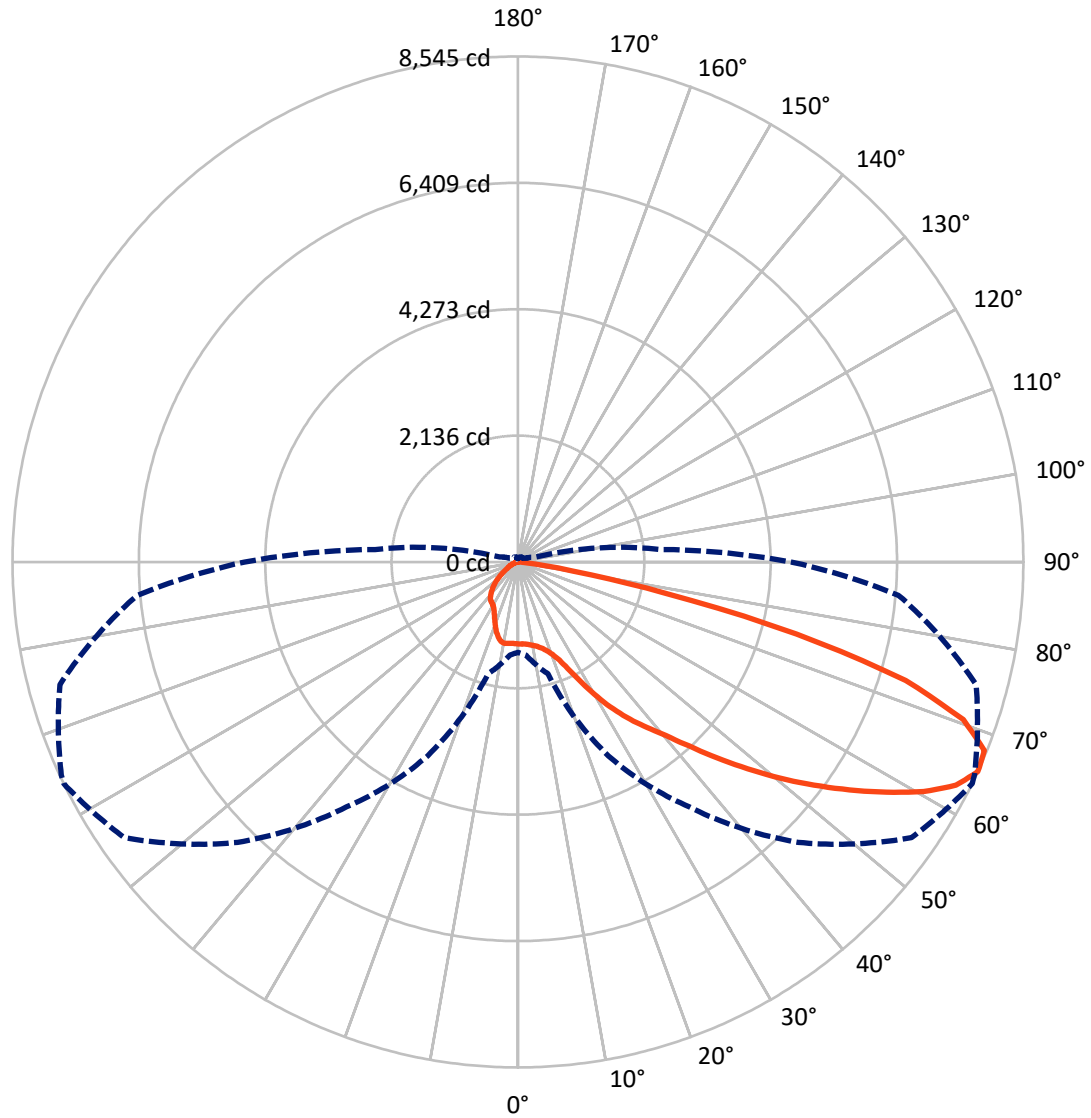
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	1592.2	0.0	1592.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	10313.8	0.0	10313.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	11906.0	0.0	11906.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.8	1.1
10°-20°	346.5	2.9
20°-30°	656.6	5.5
30°-40°	1328.7	11.2
40°-50°	2263.5	19.0
50°-60°	3078.2	25.9
60°-70°	2890.5	24.3
70°-80°	1158.1	9.7
80°-90°	56.1	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°	11906.0	100.0
0°-180°	11906.0	100.0

**Coefficient of Utilization**



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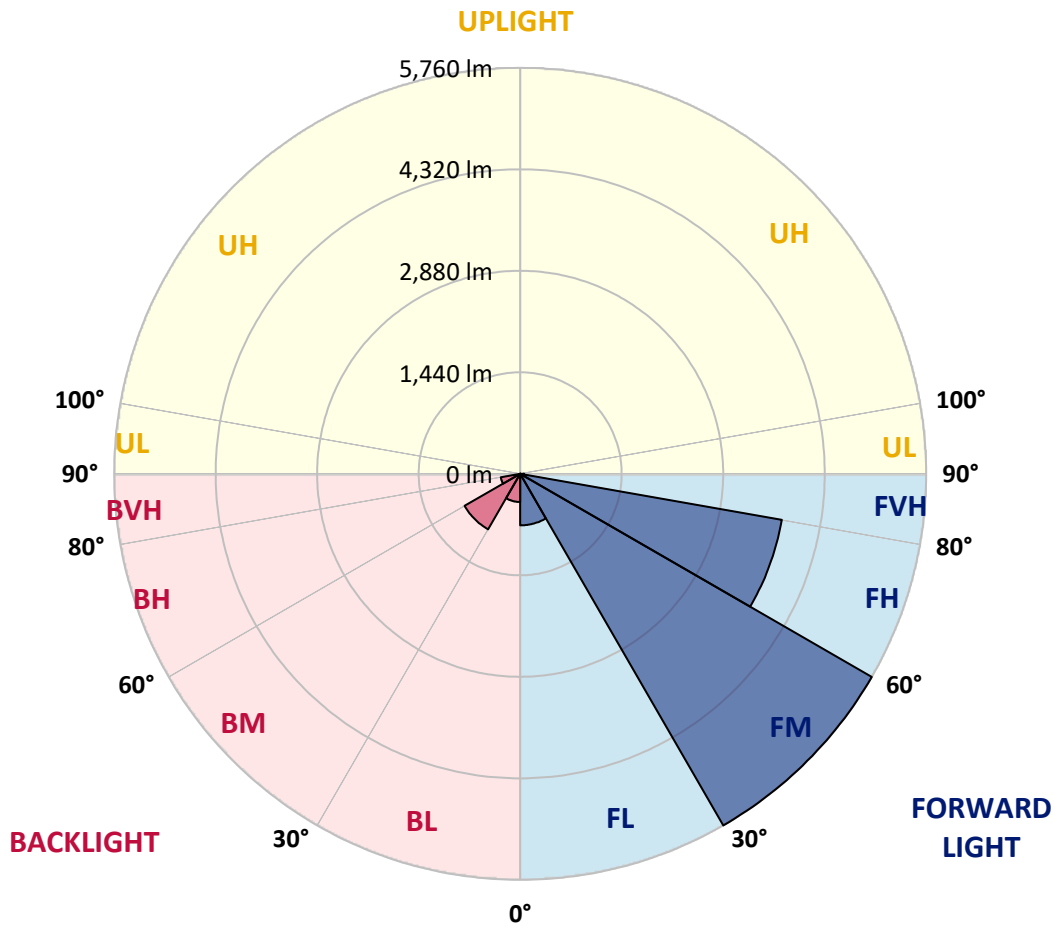
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.2	6.1			
FM (30°-60°)	5760.1	48.4			
FH (60°-80°)	3769.2	31.7			G2/5000
FVH (80°-90°)	53.4	0.4			G1/100
BL (0°-30°)	399.8	3.4	B1/500		
BM (30°-60°)	910.2	7.6	B1/1000		
BH (60°-80°)	279.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8
2.5°	1380.0	1389.6	1387.2	1384.8	1384.0	1385.6	1386.4	1385.6	1385.6	1385.6
5°	1353.7	1361.6	1361.6	1367.2	1375.2	1384.8	1392.0	1393.6	1395.2	1397.6
7.5°	1303.4	1309.8	1314.6	1332.9	1352.9	1378.4	1400.0	1411.1	1412.7	1421.5
10°	1269.1	1277.0	1285.0	1304.2	1332.9	1371.2	1407.9	1435.1	1439.1	1459.8
12.5°	1267.5	1275.4	1285.8	1306.6	1340.1	1380.8	1425.5	1464.6	1471.8	1502.1
15°	1284.2	1293.8	1303.4	1328.9	1364.8	1414.3	1462.2	1510.9	1518.1	1561.2
17.5°	1318.5	1331.3	1338.5	1364.0	1402.4	1457.4	1520.5	1576.3	1582.7	1633.0
20°	1386.4	1401.6	1403.9	1424.7	1462.2	1521.3	1596.3	1665.7	1673.7	1731.2
22.5°	1526.9	1548.4	1529.3	1539.6	1573.2	1632.2	1713.6	1801.4	1812.6	1878.0
25°	1774.3	1804.6	1755.1	1737.6	1751.9	1813.4	1915.6	2026.5	2039.3	2092.0
27.5°	2260.4	2221.3	2146.2	2072.8	2029.7	2064.8	2179.7	2317.0	2333.0	2384.1
30°	2794.3	2760.0	2658.6	2495.8	2393.7	2388.1	2494.2	2647.5	2665.8	2714.5
32.5°	3329.1	3296.4	3186.2	2985.9	2808.7	2720.9	2794.3	2964.3	2973.9	3005.0
35°	3855.1	3821.5	3711.4	3506.3	3288.4	3088.8	3074.5	3266.0	3269.2	3301.9
37.5°	4384.2	4356.3	4239.0	4037.8	3823.1	3547.8	3414.5	3551.8	3555.8	3587.7
40°	4761.8	4773.7	4693.1	4537.5	4353.1	4052.2	3796.0	3855.9	3831.9	3885.4
42.5°	5085.8	5109.8	5039.5	4961.3	4854.4	4589.4	4268.5	4258.1	4219.8	4248.6
45°	5366.0	5385.9	5322.9	5304.5	5302.1	5116.1	4784.9	4722.7	4669.2	4663.6
47.5°	5468.9	5507.2	5534.4	5595.8	5715.6	5637.3	5318.9	5222.3	5162.4	5118.5
50°	5508.0	5548.7	5641.3	5820.1	6103.5	6137.0	5850.4	5741.9	5668.5	5588.7
52.5°	5455.4	5528.0	5652.5	5953.4	6364.5	6537.7	6360.5	6265.5	6181.7	6051.6
55°	5144.9	5217.5	5472.1	5951.8	6494.6	6818.6	6842.5	6800.2	6706.1	6500.9
57.5°	4490.4	4598.1	5001.2	5749.1	6492.2	7060.4	7315.1	7345.4	7240.0	6946.3
60°	3583.7	3729.8	4221.4	5299.7	6291.8	7191.3	7729.3	7880.9	7769.2	7385.3
62.5°	2500.6	2669.8	3135.1	4595.8	5833.7	7097.2	8031.8	8311.9	8227.3	7778.0
65°	1525.3	1579.5	1954.7	3616.4	5054.7	6702.9	8125.2	8545.0	8517.1	8018.2
67.5°	1016.0	1061.5	1169.3	2479.9	3923.7	5915.1	7901.7	8504.3	8512.3	7979.1
70°	612.2	651.3	721.5	1442.3	2542.9	4682.0	7209.7	7985.5	8031.8	7456.3
72.5°	252.2	278.6	342.4	653.7	1316.9	2971.5	5741.1	6856.1	6963.9	6269.5
75°	142.9	156.4	201.1	328.0	571.5	1384.8	3477.5	4867.1	5026.0	4321.2
77.5°	95.0	101.4	130.1	212.3	321.7	472.5	1486.2	2535.7	2839.0	2360.1
80°	63.9	69.4	89.4	142.1	209.1	202.7	473.3	939.4	1155.7	810.9
82.5°	43.1	43.9	63.9	93.4	132.5	98.2	139.7	292.1	367.1	234.7
85°	24.7	23.9	47.1	54.3	59.1	40.7	42.3	87.8	114.9	99.0
87.5°	3.2	4.8	18.4	14.4	8.0	8.8	8.8	15.2	22.3	23.9
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°
1384.8	0°	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8
1386.4	2.5°	1386.4	1385.6	1383.2	1380.8	1375.2	1372.0	1373.6	1372.0	1371.2	1372.0
1396.8	5°	1396.8	1394.4	1388.0	1380.0	1368.8	1355.3	1346.5	1333.7	1321.7	1314.6
1424.7	7.5°	1424.7	1422.3	1413.5	1391.2	1355.3	1298.6	1246.7	1201.2	1166.9	1146.9
1469.4	10°	1469.4	1465.4	1451.8	1402.4	1308.2	1184.5	1081.5	996.1	940.2	913.9
1522.1	12.5°	1522.1	1517.3	1493.3	1392.0	1218.8	1025.6	883.6	788.6	736.7	713.5
1582.7	15°	1584.3	1577.9	1530.9	1342.5	1088.7	850.0	719.9	648.9	615.4	594.6
1660.2	17.5°	1661.7	1650.6	1558.8	1268.3	947.4	715.9	619.4	565.9	536.4	516.4
1761.5	20°	1762.3	1744.0	1581.1	1179.7	817.3	631.3	551.5	506.8	484.5	466.9
1905.2	22.5°	1902.8	1876.5	1608.3	1083.9	725.5	573.1	501.2	468.5	450.2	430.2
2105.5	25°	2076.8	2045.7	1641.8	995.3	662.5	522.8	464.5	437.4	415.8	392.7
2368.1	27.5°	2320.2	2264.4	1681.7	922.7	608.2	479.7	431.0	400.7	375.9	356.8
2665.8	30°	2591.6	2499.8	1716.8	878.8	558.7	439.8	387.1	356.8	333.6	320.1
2933.2	32.5°	2848.6	2724.1	1740.0	859.6	514.0	394.3	339.2	306.5	288.9	284.9
3195.0	35°	3091.2	2926.8	1737.6	841.3	474.1	348.8	292.1	258.6	245.0	247.4
3476.7	37.5°	3370.6	3143.1	1720.8	812.5	441.4	307.3	251.4	221.9	209.9	210.7
3819.2	40°	3695.4	3392.9	1710.4	758.2	405.5	269.0	217.9	194.0	185.2	182.0
4179.9	42.5°	4041.8	3634.8	1712.0	696.8	360.8	234.7	194.7	174.8	166.8	164.4
4581.4	45°	4389.8	3865.4	1714.4	632.9	313.7	208.3	178.0	161.2	156.4	153.2
4988.4	47.5°	4717.1	4061.8	1669.7	564.3	267.4	188.4	164.4	153.2	149.3	145.3
5397.1	50°	5022.0	4192.7	1562.0	484.5	230.7	172.4	154.0	146.1	142.1	138.1
5767.4	52.5°	5259.0	4213.4	1384.0	402.3	205.1	160.4	147.7	140.5	135.7	131.7
6066.7	55°	5364.4	4083.3	1131.0	325.6	185.2	150.1	141.3	134.1	128.5	124.5
6302.2	57.5°	5337.2	3809.6	882.0	261.8	166.0	139.7	133.3	128.5	122.1	115.7
6493.0	60°	5203.9	3443.2	664.9	217.9	148.5	128.5	124.5	120.5	111.7	102.2
6566.4	62.5°	4973.3	2982.7	474.1	180.4	129.3	115.7	114.1	110.9	98.2	80.6
6457.8	65°	4620.5	2423.2	319.3	150.1	110.9	101.4	102.2	96.6	79.8	59.9
6060.4	67.5°	4104.9	1771.9	204.3	122.9	92.6	84.6	85.4	82.2	67.8	51.1
5306.9	70°	3448.0	1173.3	133.3	93.4	74.2	65.4	70.2	71.0	57.5	41.5
4073.0	72.5°	2527.7	692.8	93.4	69.4	54.3	45.5	57.5	59.1	46.3	31.1
2450.3	75°	1440.7	328.8	70.2	50.3	33.5	31.9	44.7	44.7	31.9	20.8
1060.7	77.5°	605.0	137.3	49.5	32.7	19.2	18.4	30.3	27.9	16.0	9.6
258.6	80°	174.8	61.5	26.3	16.0	8.0	7.2	12.0	8.8	4.0	1.6
98.2	82.5°	68.6	27.1	10.4	6.4	3.2	3.2	1.6	0.0	0.0	0.0
55.9	85°	40.7	11.2	4.8	2.4	0.8	0.0	0.0	0.0	0.0	0.0
12.0	87.5°	10.4	2.4	1.6	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>
1384.8
1375.2
1316.2
1147.7
911.5
711.2
595.4
514.8
463.7
427.0
390.3
352.8
317.7
287.3
247.4
213.9
181.2
163.6
153.2
145.3
138.1
130.9
123.7
114.9
100.6
79.0
58.3
48.7
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