

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: P945530

Luminaire Tested: **GALN-SB1B-950-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1B-950-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

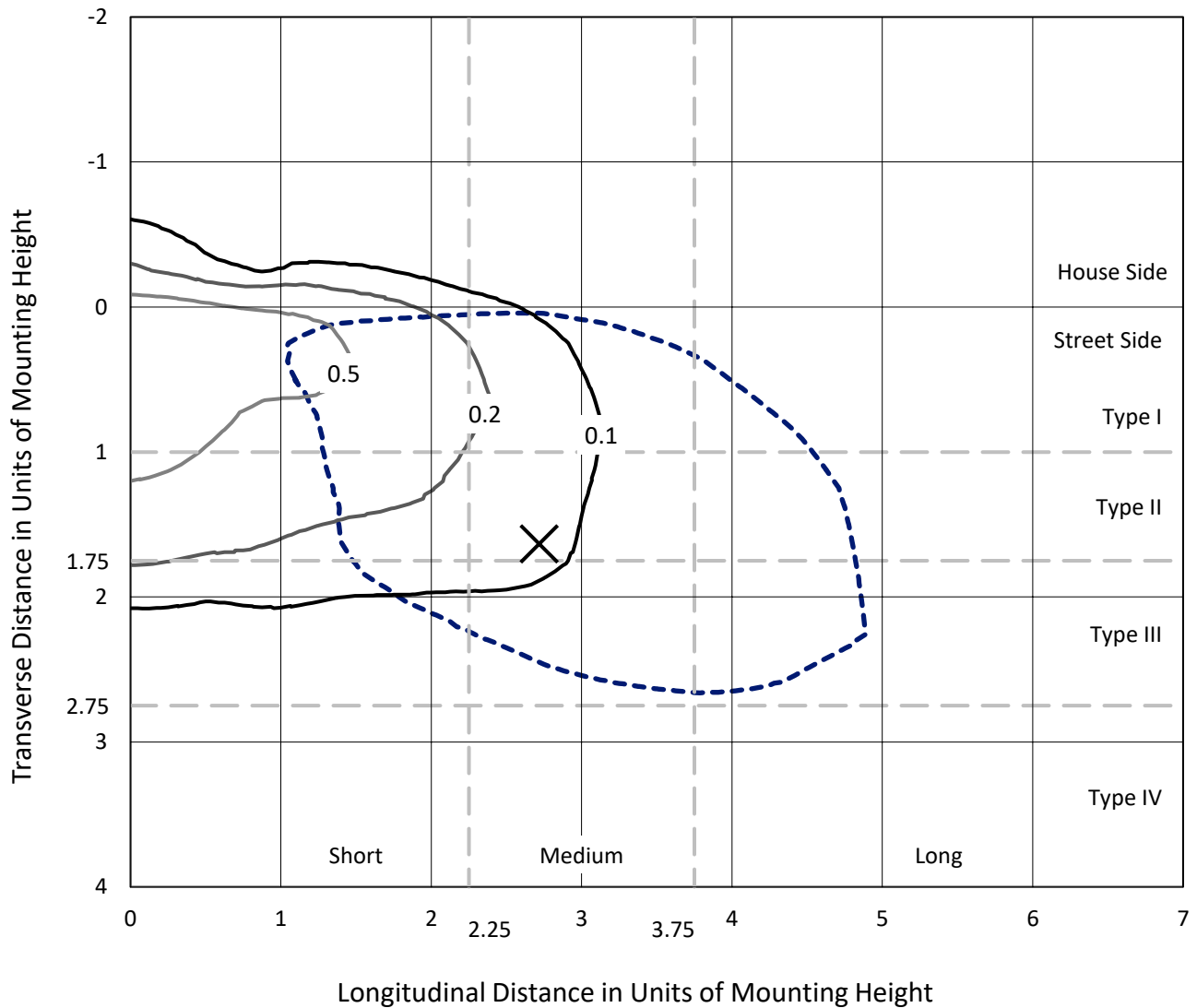
Lumens per Lamp: N/A  
Luminaire Lumens: 3156 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

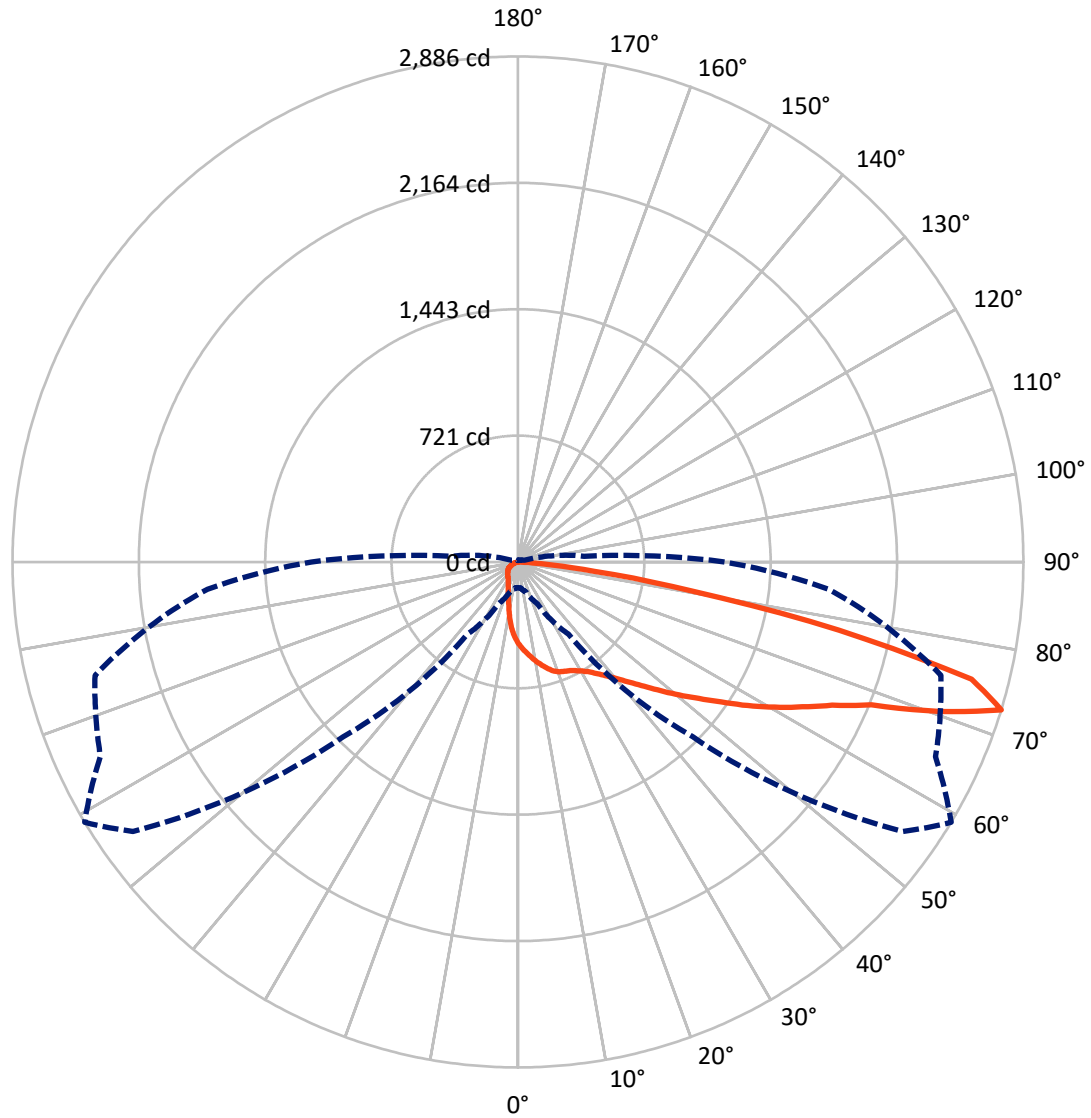
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	333.3	0.0	333.3
	% Fixture	10.6	0.0	10.6
<b>Street Side</b>	Lumens	2822.7	0.0	2822.7
	% Fixture	89.4	0.0	89.4
<b>Total</b>	Lumens	3156.0	0.0	3156.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.2	1.3
10°-20°	112.2	3.6
20°-30°	177.7	5.6
30°-40°	285.3	9.0
40°-50°	455.6	14.4
50°-60°	659.6	20.9
60°-70°	782.8	24.8
70°-80°	581.1	18.4
80°-90°	59.4	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°	3156.0	100.0
0°-180°	3156.0	100.0

**Coefficient of Utilization**



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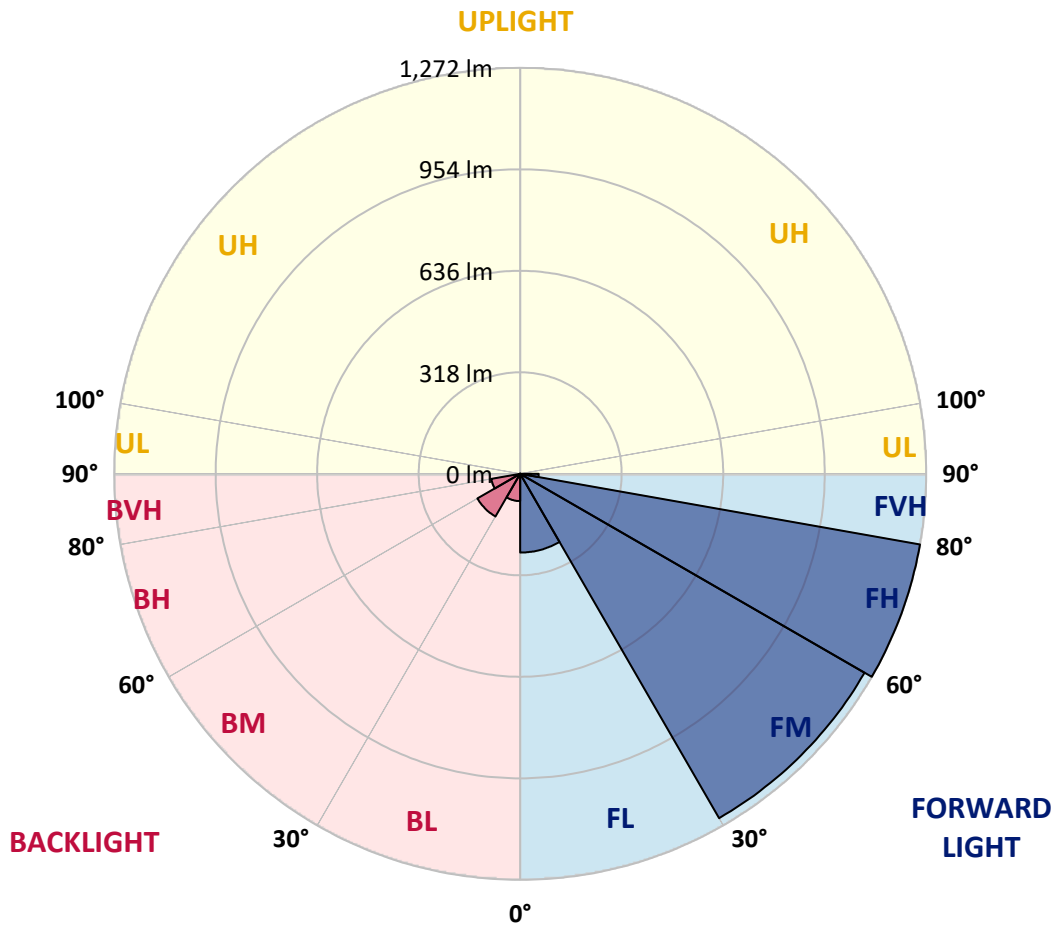
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.7	7.8			
FM (30°-60°)	1245.9	39.5			
FH (60°-80°)	1272.1	40.3			G1/1800
FVH (80°-90°)	57.9	1.8			G1/100
BL (0°-30°)	85.4	2.7	B0/110		
BM (30°-60°)	154.5	4.9	B0/220		
BH (60°-80°)	91.9	2.9	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7
2.5°	517.8	514.9	515.3	510.4	506.9	503.2	496.0	494.9	489.8	480.7
5°	562.9	561.1	559.4	553.9	546.6	537.6	525.4	521.1	511.6	496.0
7.5°	595.9	593.6	594.4	588.9	583.1	573.0	556.3	548.3	535.7	511.8
10°	602.3	601.0	606.4	608.5	608.5	602.1	585.8	577.8	559.4	528.9
12.5°	566.4	566.6	580.0	596.1	617.1	623.1	612.2	603.5	585.4	547.1
15°	524.6	524.8	537.8	558.4	592.8	627.2	635.9	630.3	611.5	566.6
17.5°	499.5	498.4	507.1	524.0	560.0	608.5	650.3	654.0	638.7	588.3
20°	496.0	494.1	498.6	507.1	532.8	585.0	651.9	669.4	666.8	612.8
22.5°	517.4	514.5	512.0	512.4	523.4	565.4	647.8	678.1	695.6	642.2
25°	559.8	555.3	547.3	537.0	534.7	561.3	644.9	687.6	722.4	680.0
27.5°	611.8	605.4	589.9	574.5	561.3	572.8	650.9	702.6	752.7	723.8
30°	668.8	661.0	645.5	616.3	595.3	598.6	665.1	722.4	791.4	773.5
32.5°	752.7	734.6	707.6	662.9	635.0	626.4	686.5	747.5	839.4	839.6
35°	824.6	814.5	787.3	731.7	674.6	663.3	714.8	783.0	906.0	927.2
37.5°	871.8	858.0	834.1	792.3	736.0	701.2	752.5	826.5	976.5	1026.9
40°	924.5	910.9	879.2	839.8	807.3	766.3	800.1	876.5	1053.7	1129.3
42.5°	988.2	970.5	933.0	890.5	856.5	852.0	862.3	939.0	1133.1	1240.6
45°	1063.0	1046.3	1003.2	949.7	919.8	911.8	940.6	1011.7	1221.4	1362.6
47.5°	1133.1	1113.7	1067.3	1018.5	985.3	960.0	1023.8	1097.6	1321.6	1490.1
50°	1192.6	1172.8	1130.4	1078.2	1055.8	1022.6	1105.7	1193.4	1420.9	1619.7
52.5°	1233.4	1215.9	1166.0	1130.6	1115.3	1098.6	1201.5	1295.0	1519.8	1738.4
55°	1224.1	1208.5	1164.6	1162.1	1161.1	1178.6	1316.0	1410.2	1620.6	1850.7
57.5°	1194.7	1176.9	1122.1	1159.8	1196.3	1249.9	1440.1	1546.4	1731.0	1956.6
60°	1107.9	1101.7	1068.4	1155.5	1211.1	1319.7	1581.8	1683.2	1850.5	2049.8
62.5°	924.3	929.7	929.5	1164.6	1237.9	1399.3	1710.6	1821.7	1967.3	2139.4
65°	692.1	710.7	734.4	1083.0	1273.8	1541.2	1864.5	1971.9	2086.0	2243.6
67.5°	465.0	479.9	496.0	888.5	1167.1	1690.4	2120.2	2177.7	2228.2	2359.2
70°	266.2	271.0	293.4	554.9	899.6	1649.2	2536.6	2557.5	2440.2	2501.6
72.5°	149.2	147.5	177.2	263.3	502.8	1412.2	2682.5	2885.5	2630.0	2499.4
75°	99.7	99.9	122.0	166.1	196.0	988.6	2311.6	2675.5	2516.3	2216.2
77.5°	68.0	70.3	89.6	128.4	90.7	482.4	1529.3	1874.2	2037.2	1711.4
80°	29.5	29.7	59.1	92.1	61.2	153.5	792.9	1004.1	1277.7	961.0
82.5°	15.2	17.3	37.7	59.5	38.5	53.8	374.6	438.7	536.1	282.1
85°	5.4	6.4	23.3	29.3	19.4	19.2	130.4	132.9	113.5	42.4
87.5°	0.0	1.0	9.1	7.2	2.5	2.3	15.5	13.0	10.3	6.0
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°
466.7	0°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7
471.4	2.5°	467.1	461.5	452.5	441.4	428.4	421.4	411.3	405.1	399.5	399.7
477.8	5°	467.7	458.5	435.4	410.9	383.7	363.7	341.4	325.8	313.8	310.9
484.4	7.5°	469.6	453.9	416.2	375.4	330.1	296.5	265.8	246.4	235.5	232.6
491.2	10°	472.1	449.0	394.6	332.1	275.9	235.5	210.0	197.6	192.7	188.9
499.9	12.5°	474.1	443.8	367.4	287.4	227.7	196.2	176.8	166.5	162.2	159.5
510.0	15°	477.6	437.0	337.9	245.8	195.1	169.4	151.0	143.4	142.2	142.6
521.1	17.5°	481.1	430.4	305.0	213.3	171.2	145.9	134.8	133.5	135.2	136.8
533.9	20°	485.0	421.0	271.6	188.7	149.2	129.6	126.7	127.5	128.4	131.3
551.4	22.5°	490.8	409.0	242.3	167.9	130.8	121.8	120.3	120.9	121.6	124.5
574.5	25°	499.0	396.2	218.6	148.8	119.3	115.4	113.9	113.9	114.8	117.4
601.2	27.5°	507.7	378.1	199.5	131.0	112.5	108.4	105.9	105.9	106.9	110.0
634.8	30°	517.4	361.6	184.4	117.9	106.7	101.4	98.1	97.3	98.5	102.4
683.5	32.5°	534.9	350.9	173.7	111.7	101.6	95.0	90.5	88.2	89.4	94.0
751.5	35°	561.5	348.4	166.3	108.6	96.6	89.2	82.8	79.3	80.4	85.1
835.3	37.5°	592.6	353.6	159.1	104.5	91.9	83.7	75.2	70.7	72.3	76.6
931.1	40°	637.3	375.0	153.5	101.4	87.2	77.1	67.6	63.1	65.7	69.4
1030.9	42.5°	691.3	413.1	152.1	98.5	81.4	70.1	60.6	57.3	59.3	62.8
1131.6	45°	758.3	461.8	158.7	94.8	75.0	63.3	55.0	53.2	53.8	57.3
1226.8	47.5°	830.2	511.6	176.8	91.5	69.4	57.7	50.7	49.0	48.6	51.9
1313.8	50°	902.9	555.9	198.2	89.0	65.5	53.2	47.4	45.3	44.3	46.4
1399.7	52.5°	974.8	591.1	212.2	84.9	61.6	48.6	44.5	41.4	39.6	40.6
1485.2	55°	1047.8	622.1	213.1	78.7	57.9	45.7	41.6	38.1	35.9	35.9
1567.6	57.5°	1116.0	649.3	200.9	70.5	52.7	43.1	37.7	34.8	32.3	31.5
1640.8	60°	1176.3	669.4	180.7	61.2	48.2	39.6	33.8	31.5	28.4	26.8
1705.9	62.5°	1230.1	679.3	153.1	51.7	42.7	35.4	30.1	27.6	23.5	21.4
1772.0	65°	1275.6	669.2	124.2	42.9	37.9	30.9	25.8	23.3	18.8	16.3
1846.4	67.5°	1320.8	623.1	94.0	36.1	33.0	26.0	21.2	19.0	15.7	13.6
1900.6	70°	1326.5	526.0	65.7	30.3	27.4	20.0	17.1	15.7	12.8	10.9
1779.6	72.5°	1180.9	378.5	40.0	24.7	21.4	14.2	13.6	12.4	9.5	8.2
1454.1	75°	943.9	232.0	23.5	18.5	14.2	10.1	10.1	8.9	6.4	5.4
1003.9	77.5°	652.3	121.4	13.8	12.0	8.4	6.0	6.6	5.4	3.1	2.5
397.7	80°	261.3	46.2	7.4	5.6	3.9	2.7	2.3	1.2	0.6	0.4
81.6	82.5°	52.1	12.2	2.5	1.4	1.4	0.6	0.0	0.0	0.0	0.0
22.5	85°	13.4	2.7	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0
7.4	87.5°	4.1	0.0	0.0	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>
466.7
404.3
315.3
235.5
191.2
160.9
143.2
137.4
132.1
125.3
118.5
111.3
103.4
95.2
86.5
77.9
70.1
63.5
58.9
54.0
47.2
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