

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: P947953

Luminaire Tested: **GALN-SB3A-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947953
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-SB3A-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA 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: 6261 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

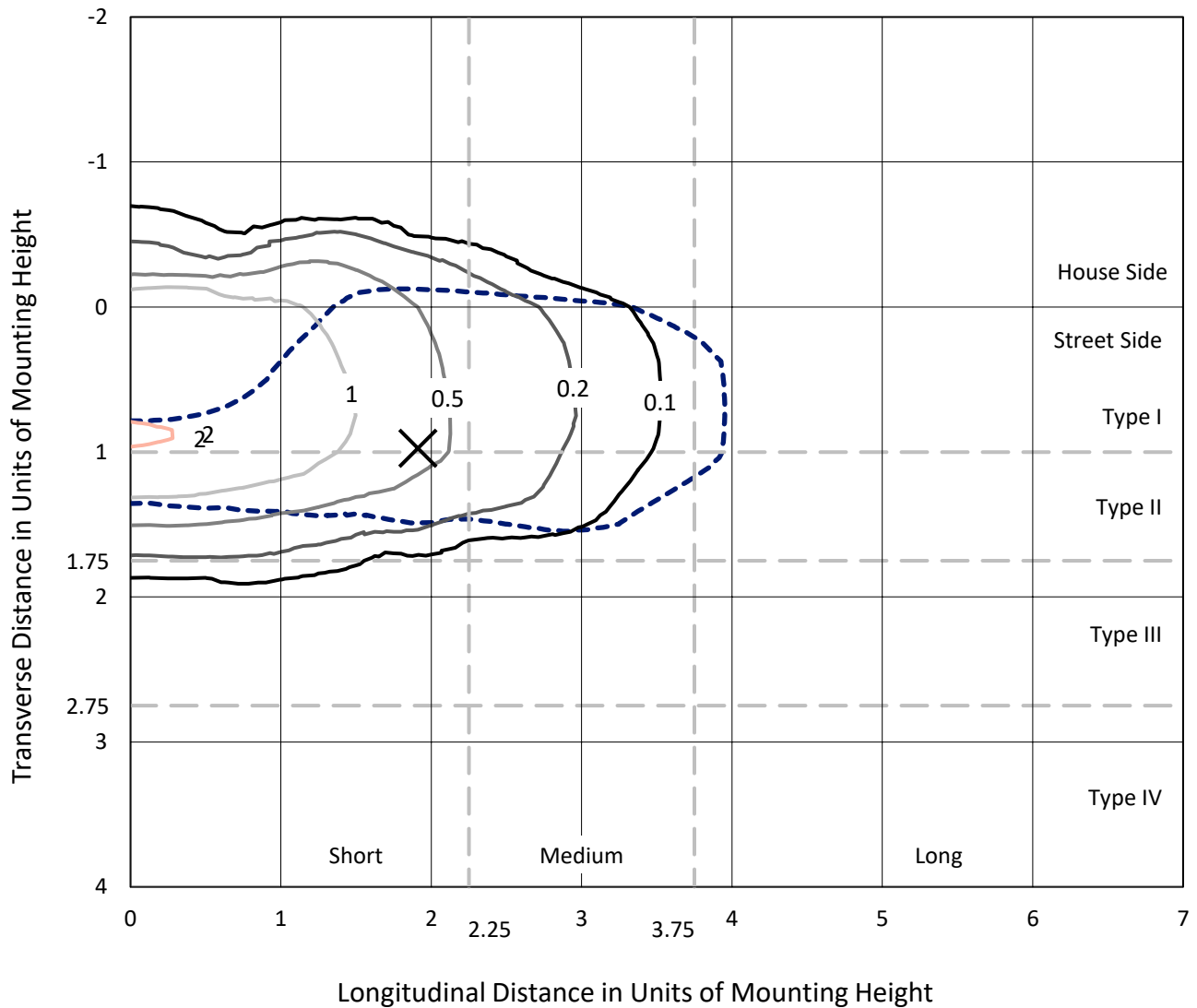
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

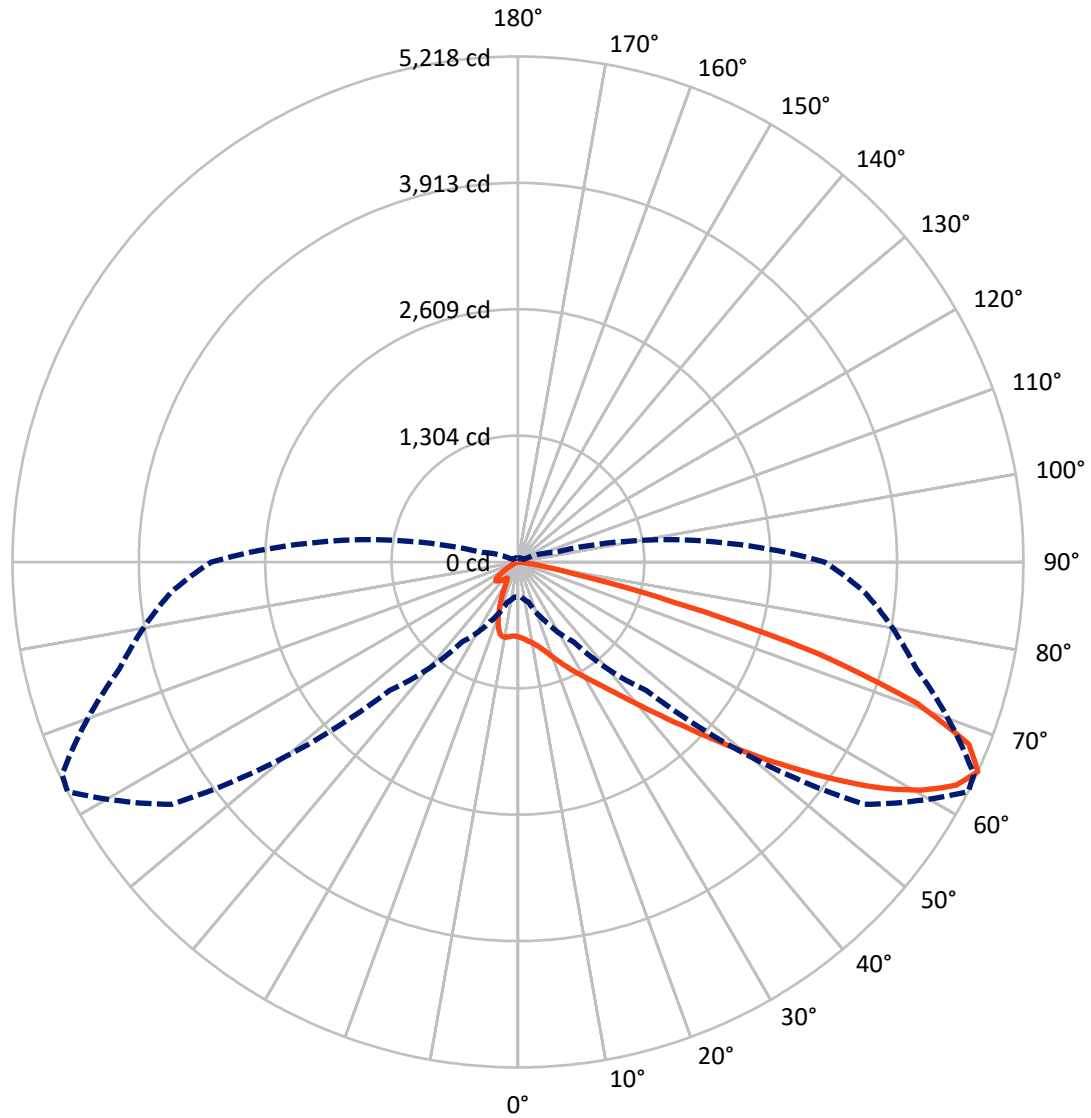
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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
House Side	Lumens	920.3	0.0	920.3
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	5340.7	0.0	5340.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	6261.0	0.0	6261.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	1.2
10°-20°	202.0	3.2
20°-30°	351.7	5.6
30°-40°	634.0	10.1
40°-50°	1257.4	20.1
50°-60°	1712.8	27.4
60°-70°	1367.1	21.8
70°-80°	618.7	9.9
80°-90°	44.5	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°	6261.0	100.0
0°-180°	6261.0	100.0

Coefficient of Utilization



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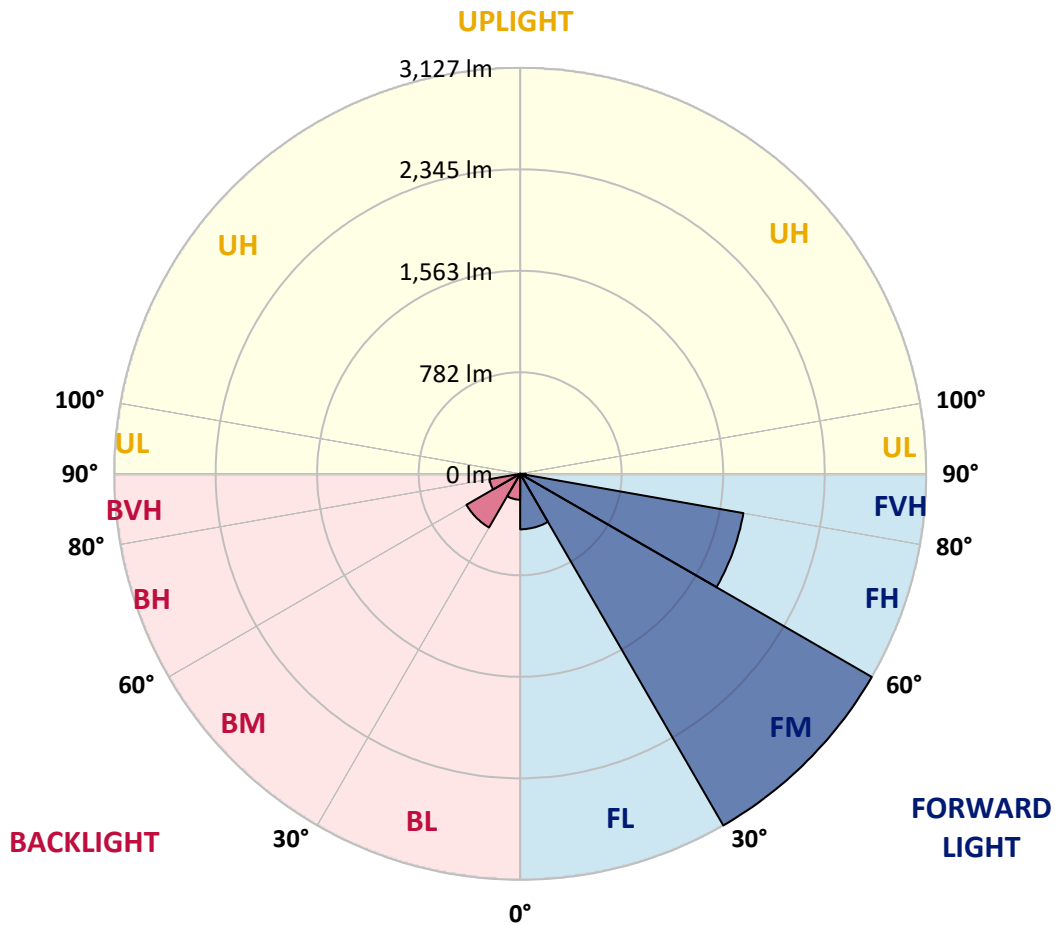
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.4	6.8			
FM (30°-60°)	3126.6	49.9			
FH (60°-80°)	1745.5	27.9			G1/1800
FVH (80°-90°)	41.2	0.7			G1/100
BL (0°-30°)	199.2	3.2	B1/500		
BM (30°-60°)	477.6	7.6	B1/1000		
BH (60°-80°)	240.3	3.8	B1/500		G1/500
BVH (80°-90°)	3.3	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7
2.5°	790.8	788.7	791.7	790.4	789.5	787.8	786.9	786.1	784.4	783.1
5°	793.0	791.7	794.7	797.3	799.9	802.4	803.7	805.5	803.7	800.3
7.5°	774.9	774.0	780.5	788.2	799.9	809.8	820.5	826.6	827.0	825.7
10°	773.6	771.4	777.9	787.4	802.4	820.1	839.1	852.0	853.7	859.3
12.5°	793.8	791.7	800.7	811.1	826.6	845.1	868.3	886.4	889.0	896.8
15°	827.9	824.8	835.2	848.5	868.3	889.5	914.0	930.4	932.5	942.0
17.5°	867.5	864.5	876.5	890.7	912.3	941.1	969.6	987.7	990.2	996.3
20°	918.3	914.4	923.9	936.8	959.7	994.1	1028.1	1054.0	1053.6	1053.6
22.5°	977.3	971.3	979.5	989.8	1011.3	1053.1	1098.4	1128.9	1128.9	1116.9
25°	1040.6	1034.6	1043.7	1053.1	1072.1	1119.5	1172.4	1210.3	1212.1	1191.4
27.5°	1119.9	1112.1	1119.0	1130.2	1141.4	1189.7	1252.6	1296.5	1297.4	1265.5
30°	1272.4	1250.4	1228.9	1216.8	1222.0	1269.8	1337.0	1385.7	1390.0	1346.0
32.5°	1551.5	1547.2	1471.4	1372.3	1320.6	1355.9	1431.3	1489.9	1492.5	1436.0
35°	1985.2	1980.1	1858.2	1669.5	1501.1	1471.4	1545.9	1615.2	1613.5	1549.8
37.5°	2503.0	2498.2	2337.6	2085.2	1812.5	1645.8	1693.6	1766.4	1777.2	1693.6
40°	2945.3	2927.7	2826.0	2582.6	2226.0	1935.3	1903.8	1952.1	1963.3	1864.2
42.5°	3280.4	3265.3	3213.7	3061.6	2726.5	2363.4	2151.5	2170.0	2182.5	2063.6
45°	3454.0	3450.6	3471.2	3457.0	3236.5	2888.9	2505.5	2428.4	2433.2	2284.6
47.5°	3478.6	3476.8	3571.2	3704.7	3675.0	3481.6	2960.0	2750.6	2733.8	2534.0
50°	3333.8	3330.4	3511.3	3761.5	3967.9	3979.5	3476.0	3113.7	3076.7	2792.0
52.5°	2871.7	2870.8	3168.0	3584.5	4070.8	4415.4	3986.0	3512.6	3450.6	3065.1
55°	2209.6	2225.6	2566.3	3058.6	3883.0	4625.2	4443.8	3955.4	3860.2	3339.9
57.5°	1565.3	1588.5	1925.4	2363.8	3300.7	4501.1	4753.5	4399.0	4296.5	3613.8
60°	840.8	861.5	1198.7	1722.0	2455.6	4038.5	4916.8	4784.1	4687.2	3874.0
62.5°	500.9	507.8	647.4	1111.7	1660.9	3085.3	4847.4	5077.4	4997.7	4092.3
65°	359.7	360.9	431.2	678.8	1008.3	1874.5	4361.1	5217.8	5193.3	4256.9
67.5°	302.8	301.9	331.2	451.0	687.0	939.0	3342.4	5019.3	5123.5	4361.1
70°	259.7	261.0	295.5	330.4	516.4	531.5	1661.7	4370.2	4592.4	4388.7
72.5°	193.4	197.7	229.6	301.1	389.8	365.7	573.7	3240.4	3642.2	4135.0
75°	136.5	138.7	161.5	253.3	290.7	266.2	292.9	1675.1	2190.3	3170.2
77.5°	105.1	109.0	122.3	177.0	286.4	186.9	179.2	579.8	890.7	1915.0
80°	56.9	63.7	88.3	127.9	201.1	132.2	88.7	230.9	301.9	895.5
82.5°	29.3	32.7	61.6	92.2	114.6	115.4	43.9	96.1	124.5	276.5
85°	11.6	14.2	41.3	50.8	59.0	56.9	19.8	38.8	44.8	76.7
87.5°	2.6	4.3	15.1	11.6	11.2	12.1	4.7	9.0	8.6	9.0
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°
772.7	0°	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7
777.9	2.5°	777.5	775.7	771.0	765.8	759.8	756.4	754.2	753.8	750.8	748.6
795.1	5°	790.4	788.7	779.6	768.8	757.2	748.2	739.6	731.8	720.6	718.5
820.1	7.5°	816.2	811.5	796.8	782.2	760.2	734.0	702.1	665.5	632.7	622.8
853.3	10°	848.1	841.6	823.1	797.3	748.6	677.1	600.0	528.5	471.6	455.7
892.5	12.5°	884.3	878.7	854.1	806.3	699.9	570.3	452.3	363.5	308.4	294.6
934.2	15°	927.4	919.2	885.1	792.5	612.9	433.3	310.6	258.0	238.2	235.6
982.1	17.5°	973.0	959.7	912.7	743.0	495.8	308.0	239.9	224.8	216.2	213.6
1030.3	20°	1014.8	997.6	929.1	668.1	370.4	239.9	214.9	205.0	197.3	194.3
1078.5	22.5°	1056.6	1032.0	929.1	566.0	277.8	212.8	197.3	188.2	179.2	175.3
1130.2	25°	1100.1	1067.3	912.7	452.3	223.5	195.1	180.5	170.6	162.8	158.1
1179.3	27.5°	1142.3	1097.1	875.2	344.6	199.0	179.6	165.0	155.5	148.2	144.7
1232.7	30°	1182.3	1126.4	822.7	261.5	183.1	164.5	150.8	142.6	135.2	131.8
1302.1	32.5°	1236.6	1163.4	766.7	214.5	169.3	150.3	137.8	130.1	123.6	121.0
1392.1	35°	1312.0	1218.1	718.5	210.6	157.6	138.7	126.2	118.9	112.4	110.3
1508.4	37.5°	1418.8	1306.4	693.0	236.5	148.2	128.4	116.7	109.0	102.9	101.2
1656.1	40°	1550.6	1426.1	706.8	262.3	141.7	119.3	108.1	100.4	95.2	93.0
1825.9	42.5°	1707.0	1573.9	783.1	282.1	137.4	111.6	99.9	91.3	87.9	87.0
2018.4	45°	1886.6	1736.3	899.8	303.2	130.5	104.2	91.7	85.3	82.7	82.3
2227.7	47.5°	2090.8	1914.6	1035.0	329.5	123.6	97.3	85.3	81.0	78.8	78.0
2446.1	50°	2293.2	2094.2	1174.2	344.2	118.0	90.9	80.1	76.7	74.9	74.5
2677.0	52.5°	2505.1	2279.0	1286.6	330.4	113.3	85.7	75.8	73.2	71.5	71.1
2889.8	55°	2707.1	2428.4	1306.0	280.4	103.8	80.5	71.1	69.8	67.6	67.6
3105.5	57.5°	2881.1	2503.4	1169.0	205.9	94.3	72.8	66.3	65.0	63.3	62.9
3300.2	60°	3040.9	2481.9	902.4	138.7	84.0	65.0	60.3	59.4	57.7	55.6
3469.5	62.5°	3131.0	2387.1	617.2	90.5	73.7	56.9	53.4	53.0	49.1	44.8
3594.9	65°	3165.0	2192.4	385.1	65.9	61.6	48.7	46.1	45.2	39.6	34.9
3665.9	67.5°	3135.3	1871.9	194.3	52.1	48.7	40.5	37.9	37.9	34.0	29.7
3661.6	70°	3016.4	1403.3	81.8	41.8	37.5	31.0	31.0	32.7	28.9	24.1
3471.7	72.5°	2758.4	944.2	43.5	31.9	28.0	22.0	25.4	26.7	22.8	18.1
2841.5	75°	2192.8	575.9	30.2	23.7	17.7	15.5	19.4	20.2	15.5	12.1
1948.2	77.5°	1499.8	330.8	20.2	15.1	11.2	9.0	13.4	12.5	8.2	5.6
751.2	80°	658.6	137.8	11.6	6.9	4.3	3.4	4.7	3.4	2.6	1.7
102.9	82.5°	77.1	32.3	4.3	2.6	1.7	0.9	0.4	0.0	0.0	0.0
31.4	85°	15.9	3.9	2.2	0.9	0.4	0.0	0.0	0.0	0.0	0.0
5.6	87.5°	3.0	0.9	0.4	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>
772.7
750.8
717.6
618.1
449.7
290.7
233.0
212.3
192.5
173.2
156.4
144.7
132.2
121.0
110.3
100.8
92.6
87.0
81.8
78.0
74.5
71.1
67.2
62.5
55.1
43.9
34.5
29.3
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