

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: P940236

Luminaire Tested: **GALN-SB3A-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940236
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-SB3A-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 350mA 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: 7343 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

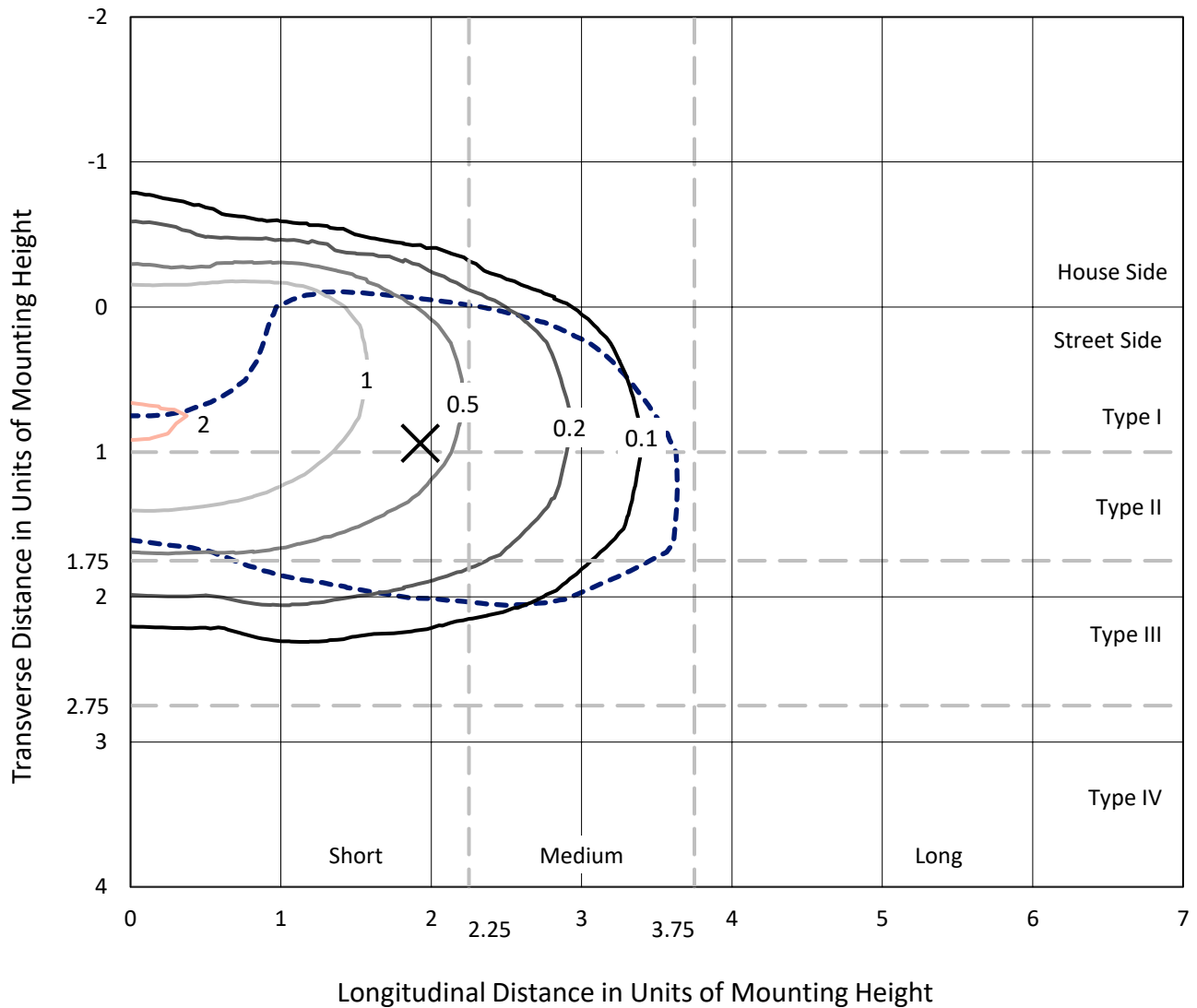
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

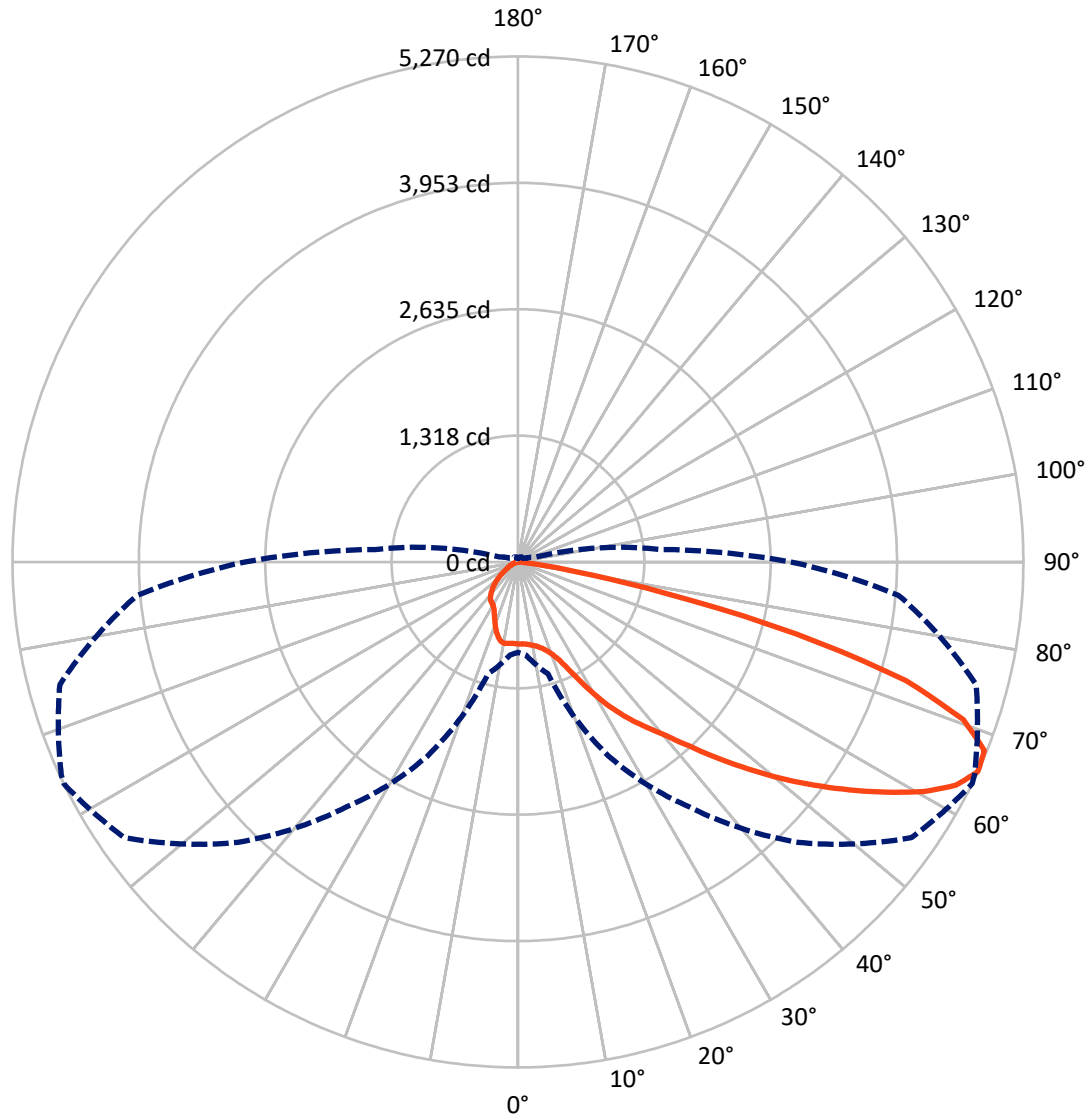
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type 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
House Side	Lumens	982.0	0.0	982.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6361.0	0.0	6361.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	7343.0	0.0	7343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.1
10°-20°	213.7	2.9
20°-30°	405.0	5.5
30°-40°	819.5	11.2
40°-50°	1396.0	19.0
50°-60°	1898.4	25.9
60°-70°	1782.7	24.3
70°-80°	714.2	9.7
80°-90°	34.6	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°	7343.0	100.0
0°-180°	7343.0	100.0

Coefficient of Utilization



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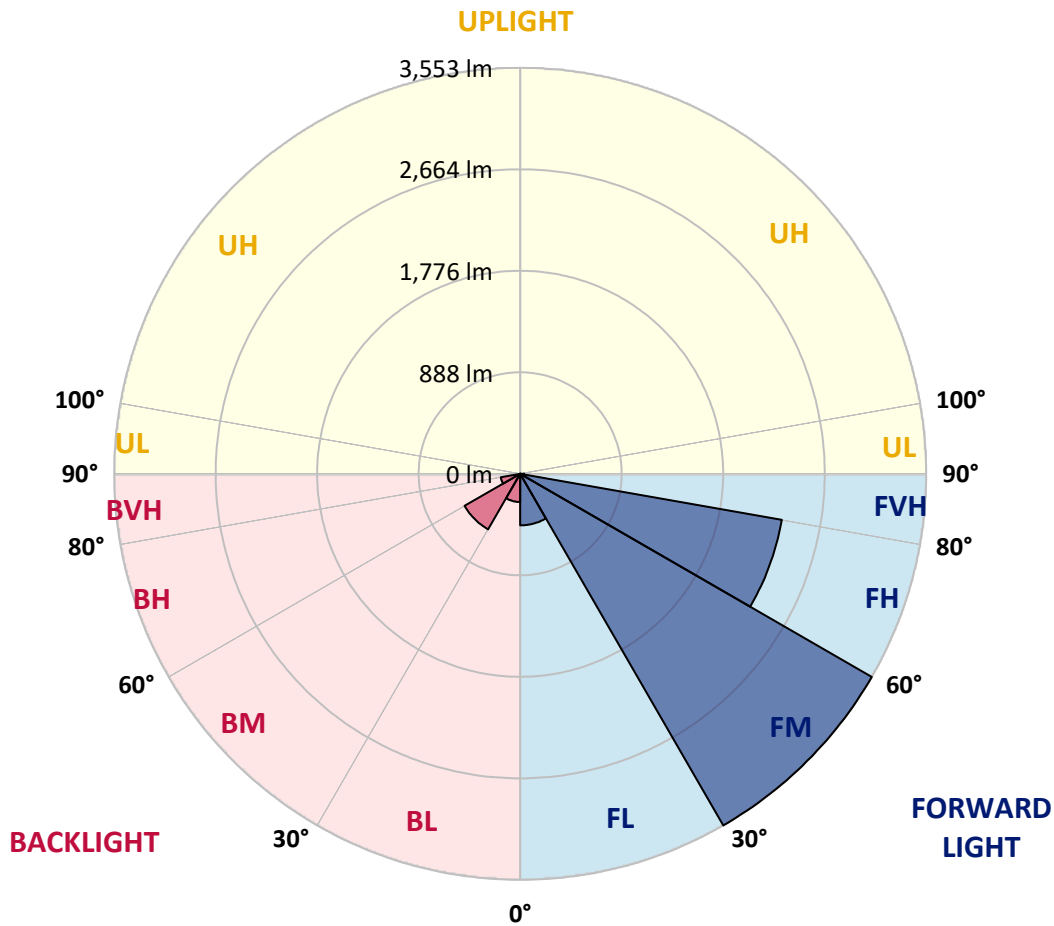
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.9	6.1			
FM (30°-60°)	3552.5	48.4			
FH (60°-80°)	2324.6	31.7			G2/5000
FVH (80°-90°)	32.9	0.4			G1/100
BL (0°-30°)	246.5	3.4	B1/500		
BM (30°-60°)	561.4	7.6	B1/1000		
BH (60°-80°)	172.4	2.3	B1/500		G1/500
BVH (80°-90°)	1.7	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°	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1
2.5°	851.1	857.0	855.5	854.1	853.6	854.6	855.1	854.6	854.6	854.6
5°	834.9	839.8	839.8	843.2	848.2	854.1	858.5	859.5	860.5	861.9
7.5°	803.9	807.8	810.7	822.1	834.4	850.1	863.4	870.3	871.3	876.7
10°	782.7	787.6	792.5	804.3	822.1	845.7	868.3	885.1	887.5	900.3
12.5°	781.7	786.6	793.0	805.8	826.5	851.6	879.2	903.3	907.7	926.4
15°	792.0	797.9	803.9	819.6	841.8	872.3	901.8	931.8	936.3	962.9
17.5°	813.2	821.1	825.5	841.3	864.9	898.9	937.8	972.2	976.1	1007.2
20°	855.1	864.4	865.9	878.7	901.8	938.2	984.5	1027.3	1032.3	1067.7
22.5°	941.7	955.0	943.2	949.6	970.2	1006.7	1056.9	1111.0	1117.9	1158.3
25°	1094.3	1113.0	1082.5	1071.6	1080.5	1118.4	1181.4	1249.8	1257.7	1290.2
27.5°	1394.1	1370.0	1323.7	1278.4	1251.8	1273.5	1344.4	1429.0	1438.9	1470.4
30°	1723.4	1702.2	1639.7	1539.3	1476.3	1472.8	1538.3	1632.8	1644.1	1674.2
32.5°	2053.2	2033.0	1965.1	1841.5	1732.3	1678.1	1723.4	1828.2	1834.2	1853.4
35°	2377.6	2356.9	2289.0	2162.5	2028.1	1905.0	1896.2	2014.3	2016.3	2036.5
37.5°	2704.0	2686.7	2614.4	2490.3	2357.9	2188.1	2105.9	2190.5	2193.0	2212.7
40°	2936.8	2944.2	2894.5	2798.5	2684.8	2499.2	2341.2	2378.1	2363.3	2396.3
42.5°	3136.7	3151.4	3108.1	3059.9	2993.9	2830.5	2632.6	2626.2	2602.6	2620.3
45°	3309.4	3321.8	3282.9	3271.5	3270.1	3155.4	2951.1	2912.7	2879.7	2876.3
47.5°	3372.9	3396.6	3413.3	3451.2	3525.1	3476.8	3280.4	3220.8	3183.9	3156.8
50°	3397.1	3422.2	3479.3	3589.5	3764.3	3785.0	3608.2	3541.3	3496.0	3446.8
52.5°	3364.6	3409.4	3486.2	3671.8	3925.3	4032.1	3922.8	3864.2	3812.5	3732.3
55°	3173.1	3217.9	3374.9	3670.8	4005.5	4205.4	4220.1	4194.0	4135.9	4009.4
57.5°	2769.4	2835.9	3084.5	3545.7	4004.0	4354.5	4511.5	4530.2	4465.3	4284.1
60°	2210.2	2300.3	2603.6	3268.6	3880.5	4435.2	4767.0	4860.6	4791.6	4554.9
62.5°	1542.2	1646.6	1933.6	2834.4	3597.9	4377.2	4953.6	5126.4	5074.2	4797.1
65°	940.7	974.2	1205.5	2230.4	3117.5	4134.0	5011.2	5270.1	5252.9	4945.2
67.5°	626.6	654.7	721.2	1529.4	2419.9	3648.1	4873.4	5245.0	5249.9	4921.1
70°	377.6	401.7	445.0	889.5	1568.3	2887.6	4446.6	4925.0	4953.6	4598.7
72.5°	155.6	171.8	211.2	403.2	812.2	1832.7	3540.8	4228.5	4294.9	3866.7
75°	88.1	96.5	124.0	202.3	352.5	854.1	2144.8	3001.8	3099.7	2665.1
77.5°	58.6	62.5	80.2	130.9	198.4	291.4	916.6	1563.9	1751.0	1455.6
80°	39.4	42.8	55.1	87.6	129.0	125.0	291.9	579.4	712.8	500.1
82.5°	26.6	27.1	39.4	57.6	81.7	60.5	86.1	180.2	226.4	144.7
85°	15.3	14.8	29.0	33.5	36.4	25.1	26.1	54.1	70.9	61.0
87.5°	2.0	3.0	11.3	8.9	4.9	5.4	5.4	9.4	13.8	14.8
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°
854.1	0°	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1
855.1	2.5°	855.1	854.6	853.1	851.6	848.2	846.2	847.2	846.2	845.7	846.2
861.5	5°	861.5	860.0	856.0	851.1	844.2	835.9	830.4	822.6	815.2	810.7
878.7	7.5°	878.7	877.2	871.8	858.0	835.9	800.9	768.9	740.8	719.7	707.4
906.2	10°	906.2	903.8	895.4	864.9	806.8	730.5	667.0	614.3	579.9	563.6
938.7	12.5°	938.7	935.8	921.0	858.5	751.7	632.6	544.9	486.4	454.4	440.1
976.1	15°	977.1	973.2	944.2	828.0	671.4	524.3	444.0	400.2	379.5	366.7
1023.9	17.5°	1024.9	1018.0	961.4	782.2	584.3	441.6	382.0	349.0	330.8	318.5
1086.4	20°	1086.9	1075.6	975.2	727.6	504.1	389.4	340.2	312.6	298.8	288.0
1175.0	22.5°	1173.5	1157.3	991.9	668.5	447.5	353.4	309.1	289.0	277.6	265.3
1298.6	25°	1280.9	1261.7	1012.6	613.8	408.6	322.4	286.5	269.8	256.5	242.2
1460.5	27.5°	1431.0	1396.5	1037.2	569.0	375.1	295.8	265.8	247.1	231.9	220.0
1644.1	30°	1598.4	1541.8	1058.8	542.0	344.6	271.2	238.7	220.0	205.8	197.4
1809.0	32.5°	1756.9	1680.1	1073.1	530.2	317.0	243.2	209.2	189.0	178.2	175.7
1970.5	35°	1906.5	1805.1	1071.6	518.8	292.4	215.1	180.2	159.5	151.1	152.6
2144.3	37.5°	2078.8	1938.5	1061.3	501.1	272.2	189.5	155.1	136.8	129.5	130.0
2355.5	40°	2279.2	2092.6	1054.9	467.6	250.1	165.9	134.4	119.6	114.2	112.2
2578.0	42.5°	2492.8	2241.7	1055.9	429.7	222.5	144.7	120.1	107.8	102.9	101.4
2825.6	45°	2707.4	2384.0	1057.4	390.4	193.5	128.5	109.8	99.4	96.5	94.5
3076.6	47.5°	2909.2	2505.1	1029.8	348.0	164.9	116.2	101.4	94.5	92.1	89.6
3328.6	50°	3097.3	2585.8	963.3	298.8	142.3	106.3	95.0	90.1	87.6	85.2
3557.1	52.5°	3243.5	2598.6	853.6	248.1	126.5	98.9	91.1	86.6	83.7	81.2
3741.7	55°	3308.5	2518.4	697.5	200.8	114.2	92.5	87.1	82.7	79.3	76.8
3886.9	57.5°	3291.7	2349.5	543.9	161.5	102.4	86.1	82.2	79.3	75.3	71.4
4004.5	60°	3209.5	2123.6	410.1	134.4	91.6	79.3	76.8	74.3	68.9	63.0
4049.8	62.5°	3067.3	1839.6	292.4	111.3	79.7	71.4	70.4	68.4	60.5	49.7
3982.9	65°	2849.7	1494.5	196.9	92.5	68.4	62.5	63.0	59.6	49.2	36.9
3737.7	67.5°	2531.7	1092.8	126.0	75.8	57.1	52.2	52.7	50.7	41.8	31.5
3273.0	70°	2126.6	723.6	82.2	57.6	45.8	40.4	43.3	43.8	35.4	25.6
2512.0	72.5°	1559.0	427.3	57.6	42.8	33.5	28.1	35.4	36.4	28.6	19.2
1511.2	75°	888.5	202.8	43.3	31.0	20.7	19.7	27.6	27.6	19.7	12.8
654.2	77.5°	373.1	84.7	30.5	20.2	11.8	11.3	18.7	17.2	9.8	5.9
159.5	80°	107.8	37.9	16.2	9.8	4.9	4.4	7.4	5.4	2.5	1.0
60.5	82.5°	42.3	16.7	6.4	3.9	2.0	2.0	1.0	0.0	0.0	0.0
34.5	85°	25.1	6.9	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0
7.4	87.5°	6.4	1.5	1.0	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>
854.1
848.2
811.7
707.9
562.2
438.6
367.2
317.5
286.0
263.4
240.7
217.6
195.9
177.2
152.6
131.9
111.7
100.9
94.5
89.6
85.2
80.7
76.3
70.9
62.0
48.7
35.9
30.0
24.6
18.2
11.8
5.9
1.0
0.0
0.0
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0.0

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