

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: P946569

Luminaire Tested: **GALN-SB2A-935-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-935-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5195 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

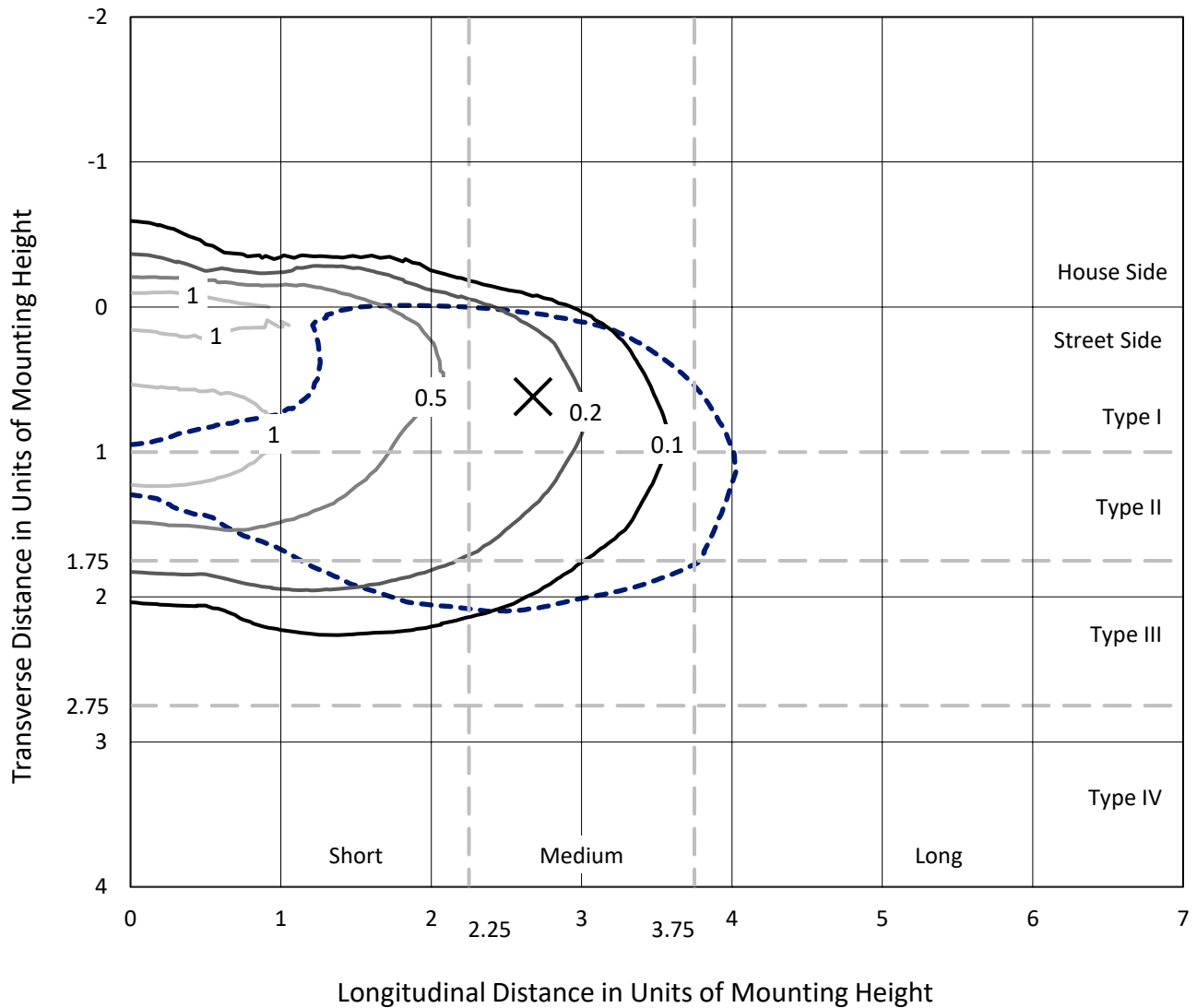
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

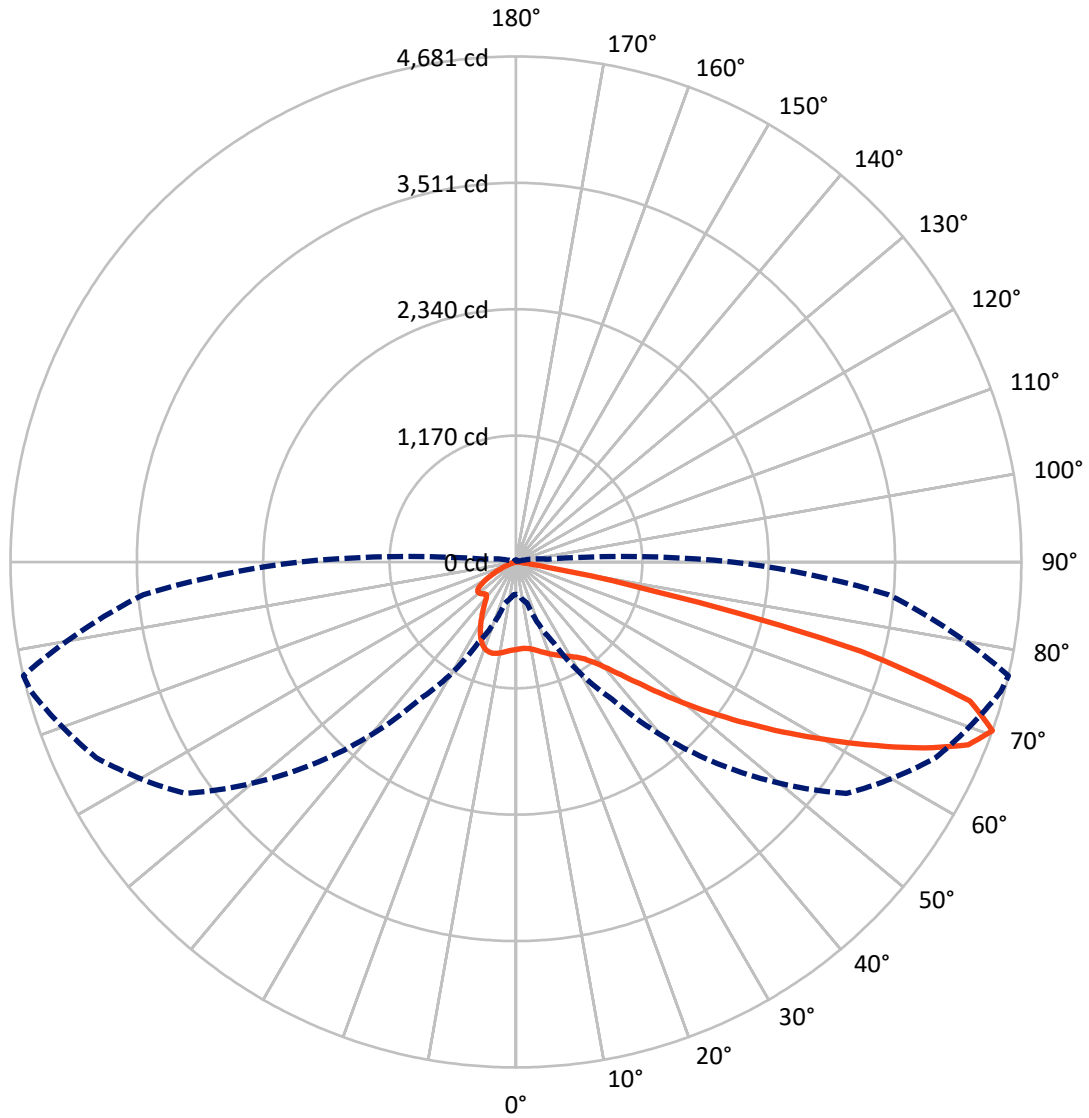
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.6	0.0	547.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4647.4	0.0	4647.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	5195.0	0.0	5195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.3
10°-20°	165.8	3.2
20°-30°	256.4	4.9
30°-40°	465.3	9.0
40°-50°	878.3	16.9
50°-60°	1269.1	24.4
60°-70°	1350.9	26.0
70°-80°	715.9	13.8
80°-90°	23.5	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°	5195.0	100.0
0°-180°	5195.0	100.0

Coefficient of Utilization



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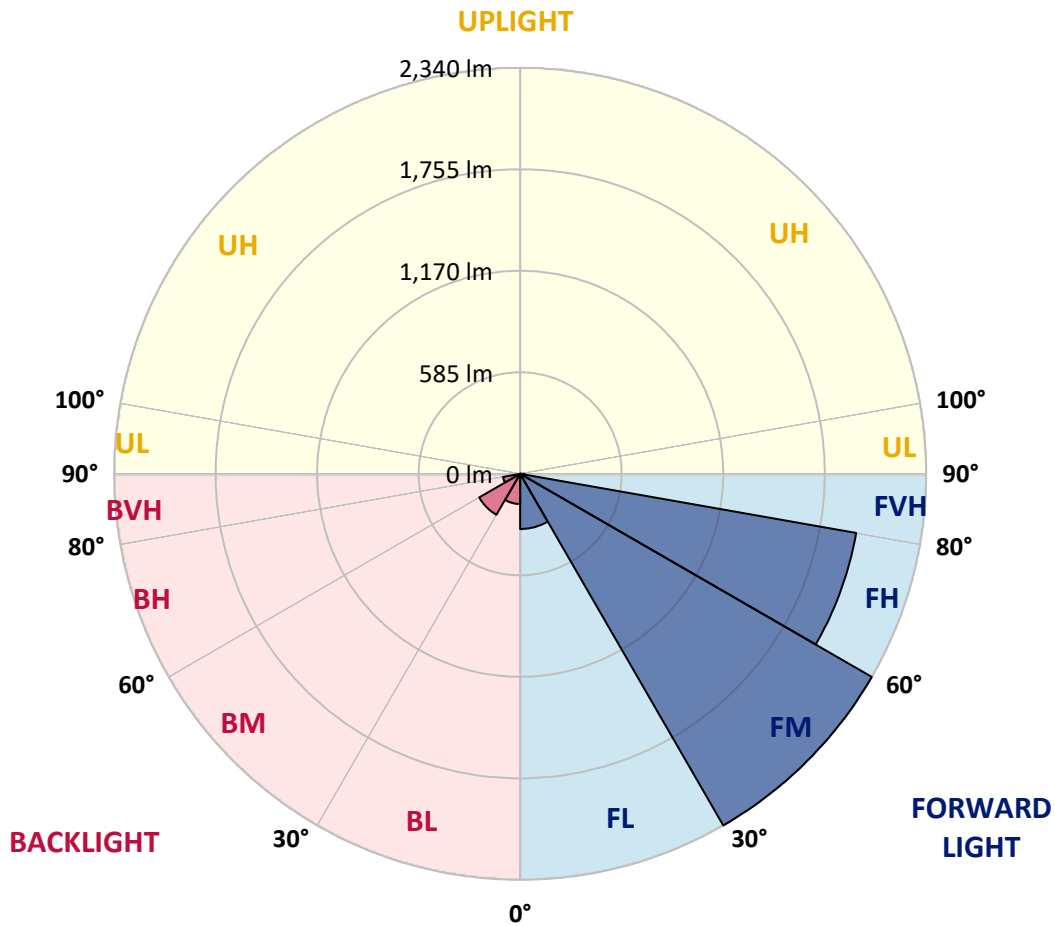
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.1	6.1			
FM (30°-60°)	2340.1	45.0			
FH (60°-80°)	1966.4	37.9			G2/5000
FVH (80°-90°)	22.9	0.4			G1/100
BL (0°-30°)	174.0	3.3	B1/500		
BM (30°-60°)	272.6	5.2	B1/1000		
BH (60°-80°)	100.4	1.9	B0/110		G0/110
BVH (80°-90°)	0.6	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3
2.5°	760.8	767.7	766.7	771.3	772.9	779.5	786.0	794.9	804.7	804.4
5°	717.8	724.7	726.3	732.6	740.4	750.6	764.1	781.8	800.2	803.1
7.5°	667.0	674.2	678.4	690.9	705.3	726.3	748.3	774.2	804.7	809.0
10°	616.1	622.7	628.2	646.0	668.9	700.1	735.9	773.3	814.3	820.5
12.5°	584.6	590.8	597.1	612.5	641.0	679.1	727.7	777.8	830.0	838.9
15°	573.5	579.0	584.0	597.7	624.3	667.6	726.0	787.4	850.0	861.8
17.5°	575.1	578.1	581.3	591.8	617.8	662.4	729.0	803.8	873.6	884.1
20°	584.6	586.3	586.6	593.8	616.8	661.7	734.9	819.5	896.0	910.1
22.5°	596.8	597.4	596.8	601.7	623.0	666.6	742.7	838.5	920.9	934.0
25°	653.5	641.0	625.3	615.8	633.5	676.1	754.6	864.1	948.1	960.9
27.5°	829.7	793.9	737.5	674.2	655.2	689.9	771.0	890.0	975.7	987.2
30°	1115.8	1068.8	973.0	830.3	724.7	718.8	792.3	916.0	1004.9	1017.3
32.5°	1402.5	1391.0	1280.4	1083.0	881.2	783.1	827.7	951.1	1043.6	1053.4
35°	1692.5	1669.2	1578.7	1383.5	1122.3	914.0	886.8	997.0	1094.4	1105.6
37.5°	1914.6	1900.5	1844.4	1683.6	1408.4	1116.1	987.8	1068.2	1168.2	1180.7
40°	2110.8	2104.2	2085.2	1979.2	1728.3	1380.5	1145.0	1178.4	1270.6	1285.4
42.5°	2265.0	2280.4	2291.2	2261.7	2058.0	1682.3	1356.2	1333.3	1413.3	1428.4
45°	2422.8	2428.0	2471.7	2514.3	2385.4	1997.9	1594.4	1514.7	1590.8	1609.5
47.5°	2524.1	2545.1	2621.9	2697.0	2660.6	2310.9	1850.3	1728.9	1796.5	1831.6
50°	2531.7	2571.4	2677.0	2807.9	2861.1	2608.8	2128.5	1973.0	2044.8	2083.6
52.5°	2406.0	2467.7	2631.4	2823.0	2969.3	2861.1	2416.2	2217.1	2309.3	2359.8
55°	1844.7	1925.4	2459.8	2741.0	2973.6	3052.3	2696.4	2471.3	2603.9	2661.0
57.5°	1607.2	1647.9	1934.0	2598.6	2894.5	3129.4	2949.7	2713.4	2924.4	2995.3
60°	1337.2	1390.7	1622.0	2365.7	2787.3	3137.0	3173.4	3025.8	3271.8	3351.5
62.5°	908.7	966.8	1196.8	1965.5	2640.6	3133.4	3356.8	3347.3	3658.0	3743.6
65°	563.0	599.4	750.9	1604.9	2435.6	3137.3	3548.7	3737.7	4065.4	4152.3
67.5°	444.9	461.6	540.7	1232.2	2082.2	3048.7	3740.3	4104.8	4448.9	4517.8
70°	298.9	309.0	393.4	826.1	1549.1	2640.0	3736.7	4289.2	4646.4	4680.9
72.5°	157.5	165.3	230.0	382.5	935.6	1876.5	3149.8	4068.7	4449.9	4398.1
75°	78.7	91.9	154.8	194.2	399.6	1046.5	1955.9	3207.8	3502.4	3301.7
77.5°	59.7	72.2	127.9	127.9	139.1	352.3	828.4	1749.6	1613.8	1343.8
80°	38.1	49.2	111.9	96.8	58.1	89.6	215.9	490.1	342.8	260.8
82.5°	22.3	32.2	93.2	64.0	32.5	33.1	61.0	104.3	88.9	69.2
85°	8.9	21.0	64.0	25.3	12.8	8.2	18.4	22.3	18.4	13.8
87.5°	0.0	4.9	11.2	0.0	1.0	0.7	1.3	1.6	1.6	1.3
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°
810.3	0°	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3
811.0	2.5°	813.9	814.6	816.6	816.9	812.3	806.4	804.1	803.1	799.2	798.8
816.2	5°	823.8	826.7	823.8	815.2	794.9	766.4	744.7	727.0	710.9	706.0
834.3	7.5°	843.5	846.4	837.6	804.1	752.9	696.2	645.0	608.9	576.4	564.3
856.3	10°	871.7	875.6	847.7	780.1	689.6	598.4	511.8	450.8	403.2	383.8
886.1	12.5°	907.1	908.7	853.3	743.7	607.3	477.0	354.3	289.0	246.7	231.0
922.2	15°	946.1	943.8	854.0	694.2	495.1	337.3	231.3	190.0	172.9	167.6
958.3	17.5°	987.2	977.6	840.8	622.7	372.0	230.6	171.6	161.7	158.8	157.5
994.0	20°	1027.5	1006.2	816.9	529.2	267.0	172.2	155.8	152.9	151.2	150.6
1030.1	22.5°	1064.3	1027.8	775.9	420.6	193.9	152.2	147.3	144.7	141.7	140.4
1065.2	25°	1100.0	1040.3	718.1	319.2	155.2	142.4	138.4	133.5	129.6	127.9
1103.0	27.5°	1134.8	1048.2	646.0	236.2	138.4	133.2	126.0	119.1	116.1	115.5
1143.3	30°	1171.9	1050.8	563.9	176.2	128.3	121.7	111.2	103.3	101.7	102.0
1197.8	32.5°	1217.1	1054.7	481.3	144.3	119.7	107.9	95.5	87.3	86.0	87.3
1277.2	35°	1271.3	1062.6	401.6	132.9	112.2	93.8	80.4	73.5	72.2	73.2
1378.9	37.5°	1344.7	1075.4	327.1	130.6	106.0	82.0	67.6	62.0	62.0	62.3
1503.5	40°	1442.5	1109.5	260.5	128.9	102.7	73.2	57.1	54.8	55.8	56.4
1662.3	42.5°	1561.6	1182.0	215.5	127.0	99.1	69.2	51.8	50.9	52.5	53.1
1852.6	45°	1695.1	1273.9	199.8	123.7	95.8	71.8	49.5	48.2	50.2	50.5
2065.8	47.5°	1833.2	1363.8	197.8	120.1	92.5	75.8	48.9	45.9	48.2	48.6
2293.5	50°	1973.0	1422.5	199.8	114.5	87.3	75.8	49.2	43.6	45.6	46.6
2529.7	52.5°	2113.7	1449.4	198.5	102.4	78.1	71.2	49.2	41.7	43.6	44.3
2785.0	55°	2250.2	1444.2	178.5	84.3	66.3	63.0	47.9	40.0	41.3	41.7
3026.1	57.5°	2358.1	1371.0	141.4	65.6	53.8	52.5	43.6	38.1	39.0	38.7
3247.2	60°	2414.6	1210.2	101.0	50.5	42.3	41.3	38.4	35.4	36.1	34.4
3434.5	62.5°	2415.2	997.7	67.6	40.0	33.8	32.8	32.8	31.8	31.2	27.9
3579.5	65°	2363.7	761.8	44.9	31.8	27.2	25.6	27.6	27.2	24.9	20.3
3623.8	67.5°	2246.9	499.3	34.1	24.9	21.0	20.0	22.0	23.0	21.3	17.1
3462.4	70°	2006.8	290.7	28.2	19.4	15.7	14.8	17.7	19.7	17.7	13.8
2959.5	72.5°	1666.9	156.8	23.0	14.4	10.8	9.8	14.1	16.1	14.1	10.2
1898.9	75°	1081.6	84.0	17.7	9.5	5.6	6.2	10.5	11.8	9.8	6.6
557.4	77.5°	363.2	37.1	11.2	4.6	2.6	2.6	6.2	7.2	4.6	2.3
101.4	80°	81.0	15.4	4.6	2.0	1.0	1.0	1.3	1.3	0.7	0.0
31.2	82.5°	26.6	6.2	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
7.9	85°	10.2	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.6	87.5°	3.9	0.3	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>
810.3
799.5
703.0
559.4
375.6
226.0
167.6
157.1
149.9
140.1
127.3
114.8
102.0
86.9
72.8
62.0
56.4
53.1
50.9
48.9
46.9
44.3
41.7
38.7
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