

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: P939216

Luminaire Tested: **GALN-SB1C-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939216
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-SB1C-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4087 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

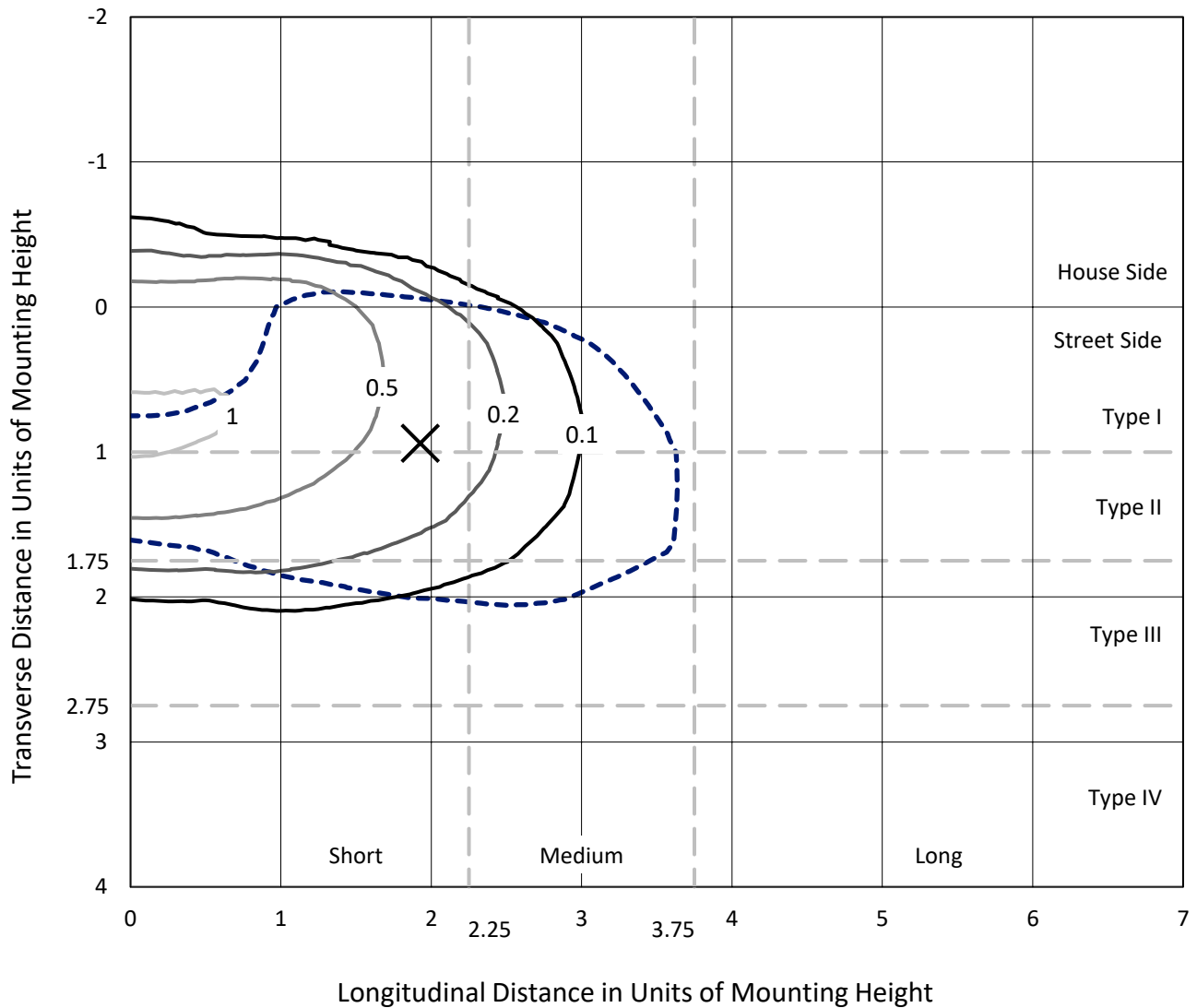
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

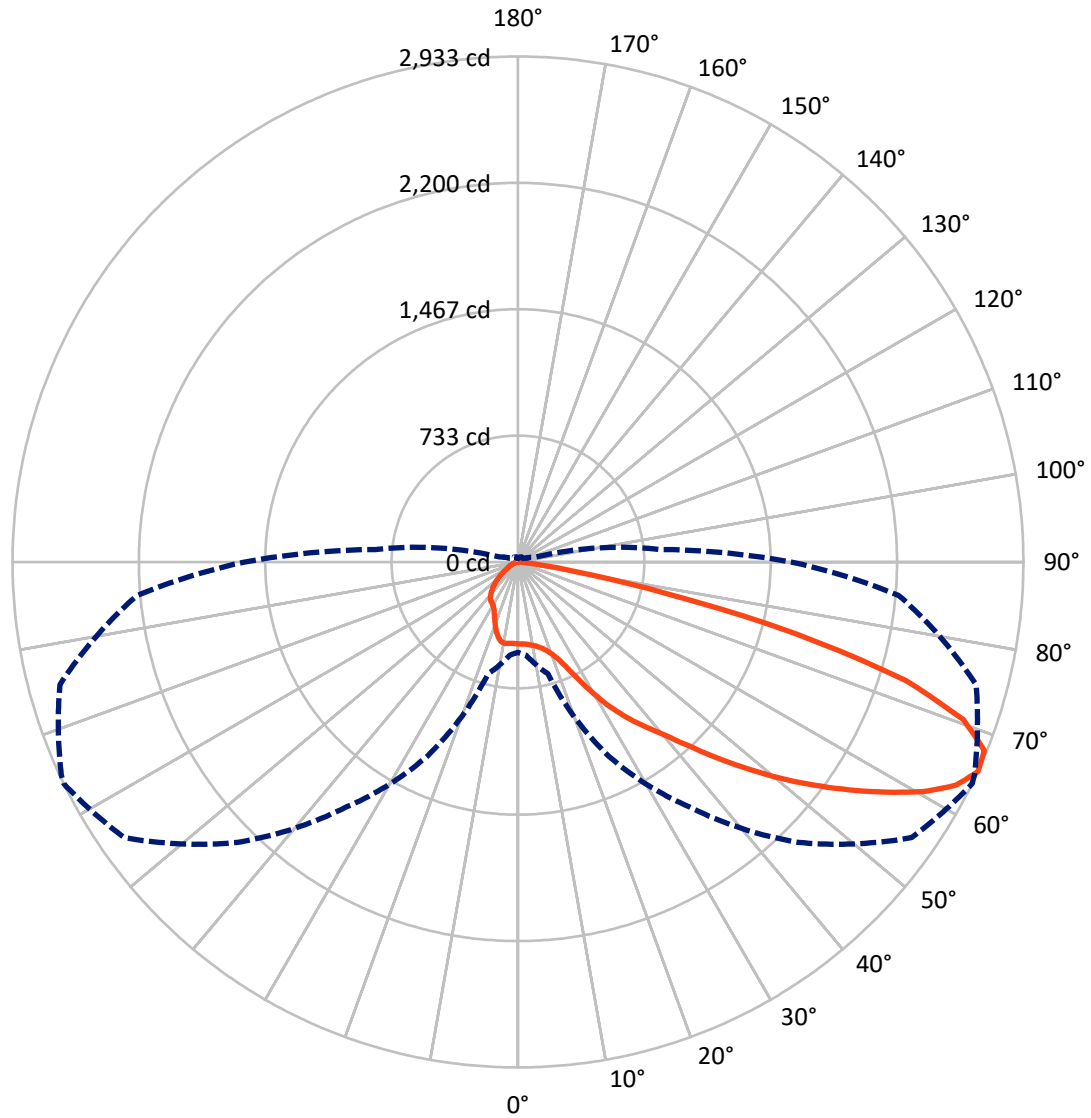
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	546.6	0.0	546.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3540.4	0.0	3540.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	4087.0	0.0	4087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	1.1
10°-20°	119.0	2.9
20°-30°	225.4	5.5
30°-40°	456.1	11.2
40°-50°	777.0	19.0
50°-60°	1056.6	25.9
60°-70°	992.2	24.3
70°-80°	397.5	9.7
80°-90°	19.3	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°	4087.0	100.0
0°-180°	4087.0	100.0

Coefficient of Utilization



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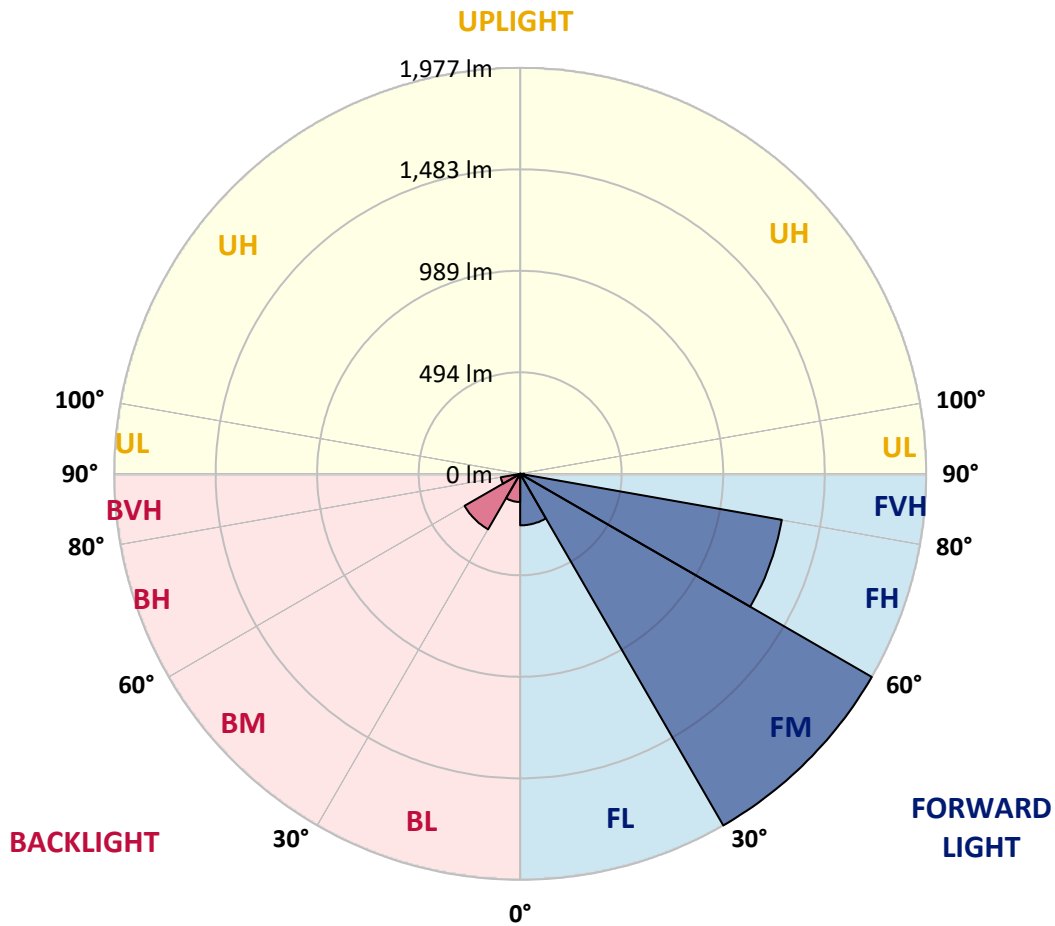
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.0	6.1			
FM (30°-60°)	1977.3	48.4			
FH (60°-80°)	1293.9	31.7			G1/1800
FVH (80°-90°)	18.3	0.4			G1/100
BL (0°-30°)	137.2	3.4	B1/500		
BM (30°-60°)	312.5	7.6	B1/1000		
BH (60°-80°)	95.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4
2.5°	473.7	477.0	476.2	475.4	475.1	475.6	475.9	475.6	475.6	475.6
5°	464.7	467.4	467.4	469.3	472.1	475.4	477.8	478.4	478.9	479.7
7.5°	447.4	449.6	451.3	457.6	464.4	473.2	480.6	484.4	484.9	488.0
10°	435.6	438.4	441.1	447.7	457.6	470.7	483.3	492.6	494.0	501.1
12.5°	435.1	437.8	441.4	448.5	460.0	474.0	489.3	502.8	505.2	515.6
15°	440.8	444.1	447.4	456.2	468.5	485.5	501.9	518.6	521.1	535.9
17.5°	452.6	457.0	459.5	468.2	481.4	500.3	521.9	541.1	543.3	560.6
20°	475.9	481.1	481.9	489.1	501.9	522.2	548.0	571.8	574.5	594.3
22.5°	524.1	531.5	525.0	528.5	540.0	560.3	588.2	618.4	622.2	644.7
25°	609.1	619.5	602.5	596.5	601.4	622.5	657.6	695.6	700.0	718.1
27.5°	775.9	762.5	736.7	711.5	696.7	708.8	748.2	795.4	800.9	818.4
30°	959.2	947.4	912.6	856.7	821.7	819.8	856.2	908.8	915.1	931.8
32.5°	1142.8	1131.5	1093.7	1025.0	964.1	934.0	959.2	1017.6	1020.9	1031.5
35°	1323.3	1311.8	1274.0	1203.6	1128.8	1060.3	1055.4	1121.1	1122.2	1133.5
37.5°	1505.0	1495.4	1455.1	1386.1	1312.4	1217.9	1172.1	1219.2	1220.6	1231.6
40°	1634.6	1638.7	1611.0	1557.6	1494.3	1391.0	1303.1	1323.6	1315.4	1333.7
42.5°	1745.8	1754.0	1729.9	1703.1	1666.4	1575.4	1465.3	1461.7	1448.5	1458.4
45°	1842.0	1848.8	1827.2	1820.9	1820.1	1756.2	1642.5	1621.2	1602.8	1600.9
47.5°	1877.3	1890.5	1899.8	1920.9	1962.0	1935.1	1825.8	1792.7	1772.1	1757.1
50°	1890.8	1904.7	1936.5	1997.9	2095.1	2106.7	2008.3	1971.0	1945.8	1918.4
52.5°	1872.7	1897.6	1940.3	2043.6	2184.7	2244.2	2183.4	2150.8	2122.0	2077.3
55°	1766.1	1791.0	1878.4	2043.1	2229.4	2340.6	2348.9	2334.3	2302.0	2231.6
57.5°	1541.4	1578.4	1716.8	1973.5	2228.6	2423.7	2511.1	2521.5	2485.3	2384.5
60°	1230.2	1280.3	1449.1	1819.2	2159.8	2468.6	2653.3	2705.3	2667.0	2535.2
62.5°	858.4	916.5	1076.2	1577.6	2002.5	2436.3	2757.1	2853.3	2824.2	2670.0
65°	523.6	542.2	671.0	1241.4	1735.1	2300.9	2789.1	2933.3	2923.7	2752.4
67.5°	348.8	364.4	401.4	851.3	1346.9	2030.5	2712.4	2919.3	2922.0	2739.0
70°	210.1	223.6	247.7	495.1	872.9	1607.2	2474.9	2741.2	2757.1	2559.5
72.5°	86.6	95.6	117.5	224.4	452.1	1020.0	1970.8	2353.5	2390.5	2152.1
75°	49.0	53.7	69.0	112.6	196.2	475.4	1193.7	1670.7	1725.3	1483.3
77.5°	32.6	34.8	44.7	72.9	110.4	162.2	510.2	870.4	974.6	810.2
80°	21.9	23.8	30.7	48.8	71.8	69.6	162.5	322.5	396.7	278.4
82.5°	14.8	15.1	21.9	32.1	45.5	33.7	47.9	100.3	126.0	80.6
85°	8.5	8.2	16.2	18.6	20.3	14.0	14.5	30.1	39.5	34.0
87.5°	1.1	1.6	6.3	4.9	2.7	3.0	3.0	5.2	7.7	8.2
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°
475.4	0°	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4
475.9	2.5°	475.9	475.6	474.8	474.0	472.1	471.0	471.5	471.0	470.7	471.0
479.5	5°	479.5	478.6	476.5	473.7	469.9	465.2	462.2	457.8	453.7	451.3
489.1	7.5°	489.1	488.2	485.2	477.6	465.2	445.8	428.0	412.3	400.6	393.7
504.4	10°	504.4	503.0	498.4	481.4	449.1	406.6	371.2	341.9	322.8	313.7
522.5	12.5°	522.5	520.8	512.6	477.8	418.4	352.1	303.3	270.7	252.9	244.9
543.3	15°	543.9	541.7	525.5	460.8	373.7	291.8	247.1	222.7	211.2	204.1
569.9	17.5°	570.4	566.6	535.1	435.4	325.2	245.8	212.6	194.3	184.1	177.3
604.7	20°	605.0	598.7	542.8	404.9	280.6	216.7	189.3	174.0	166.3	160.3
654.0	22.5°	653.2	644.1	552.1	372.1	249.1	196.7	172.1	160.8	154.5	147.7
722.8	25°	712.9	702.2	563.6	341.7	227.4	179.5	159.5	150.1	142.7	134.8
812.9	27.5°	796.5	777.3	577.3	316.7	208.8	164.7	148.0	137.5	129.0	122.5
915.1	30°	889.6	858.1	589.3	301.7	191.8	151.0	132.9	122.5	114.5	109.9
1006.9	32.5°	977.8	935.1	597.3	295.1	176.4	135.3	116.4	105.2	99.2	97.8
1096.8	35°	1061.1	1004.7	596.5	288.8	162.7	119.7	100.3	88.8	84.1	84.9
1193.5	37.5°	1157.0	1078.9	590.7	278.9	151.5	105.5	86.3	76.2	72.1	72.3
1311.0	40°	1268.5	1164.7	587.1	260.3	139.2	92.3	74.8	66.6	63.6	62.5
1434.8	42.5°	1387.5	1247.7	587.7	239.2	123.8	80.6	66.9	60.0	57.3	56.4
1572.7	45°	1506.9	1326.9	588.5	217.3	107.7	71.5	61.1	55.3	53.7	52.6
1712.4	47.5°	1619.2	1394.3	573.2	193.7	91.8	64.7	56.4	52.6	51.2	49.9
1852.7	50°	1723.9	1439.2	536.2	166.3	79.2	59.2	52.9	50.1	48.8	47.4
1979.8	52.5°	1805.3	1446.4	475.1	138.1	70.4	55.1	50.7	48.2	46.6	45.2
2082.5	55°	1841.4	1401.7	388.2	111.8	63.6	51.5	48.5	46.0	44.1	42.7
2163.4	57.5°	1832.1	1307.7	302.8	89.9	57.0	47.9	45.8	44.1	41.9	39.7
2228.9	60°	1786.4	1182.0	228.2	74.8	51.0	44.1	42.7	41.4	38.4	35.1
2254.1	62.5°	1707.2	1023.9	162.7	61.9	44.4	39.7	39.2	38.1	33.7	27.7
2216.8	65°	1586.1	831.8	109.6	51.5	38.1	34.8	35.1	33.2	27.4	20.5
2080.4	67.5°	1409.1	608.2	70.1	42.2	31.8	29.0	29.3	28.2	23.3	17.5
1821.7	70°	1183.6	402.8	45.8	32.1	25.5	22.5	24.1	24.4	19.7	14.2
1398.1	72.5°	867.7	237.8	32.1	23.8	18.6	15.6	19.7	20.3	15.9	10.7
841.1	75°	494.5	112.9	24.1	17.3	11.5	11.0	15.3	15.3	11.0	7.1
364.1	77.5°	207.7	47.1	17.0	11.2	6.6	6.3	10.4	9.6	5.5	3.3
88.8	80°	60.0	21.1	9.0	5.5	2.7	2.5	4.1	3.0	1.4	0.5
33.7	82.5°	23.6	9.3	3.6	2.2	1.1	1.1	0.5	0.0	0.0	0.0
19.2	85°	14.0	3.8	1.6	0.8	0.3	0.0	0.0	0.0	0.0	0.0
4.1	87.5°	3.6	0.8	0.5	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>
475.4
472.1
451.8
394.0
312.9
244.1
204.4
176.7
159.2
146.6
134.0
121.1
109.0
98.6
84.9
73.4
62.2
56.2
52.6
49.9
47.4
44.9
42.5
39.5
34.5
27.1
20.0
16.7
13.7
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6.6
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