

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: P940226

Luminaire Tested: **GALN-SB3A-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940226
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-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 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: 7649 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

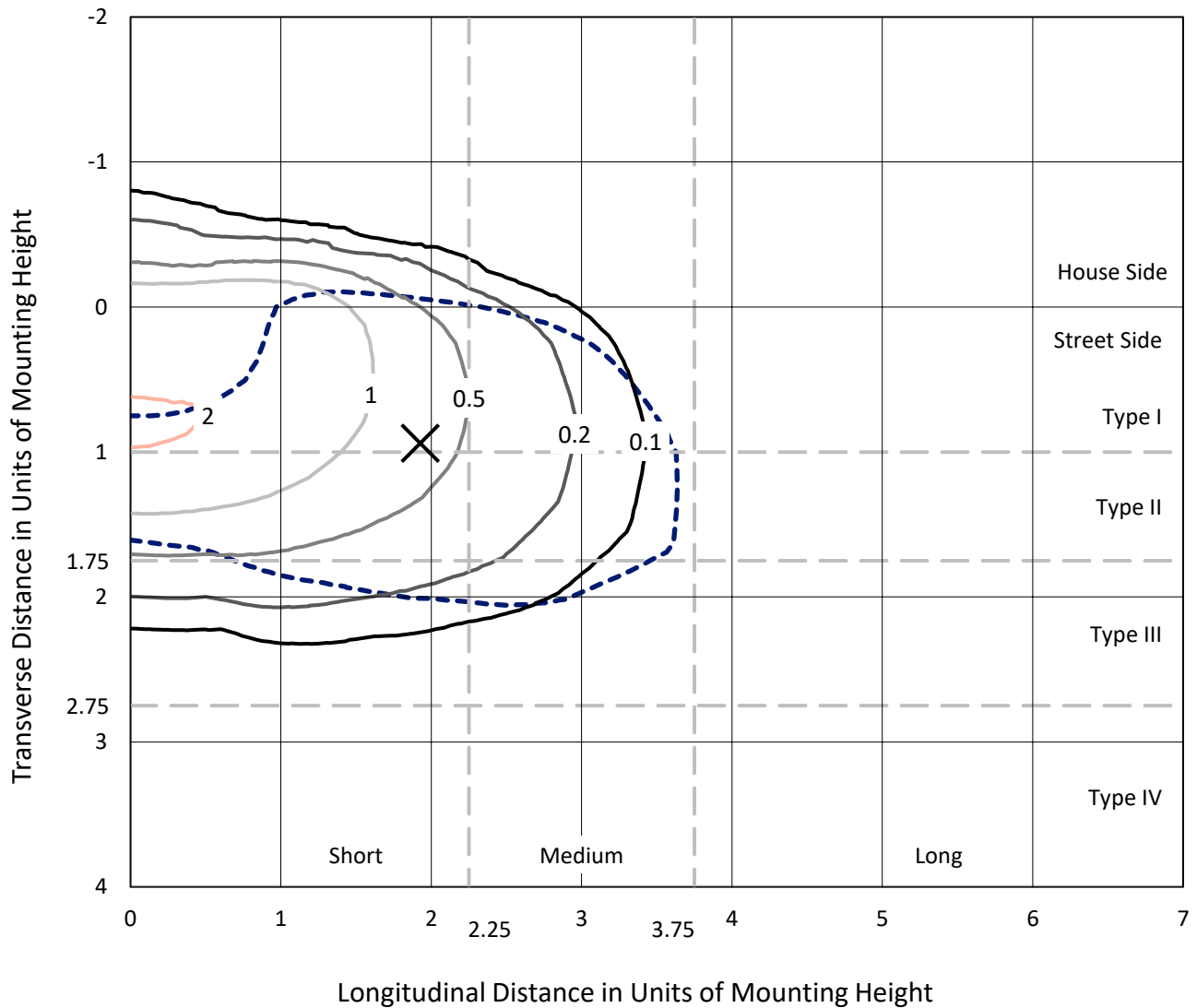
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

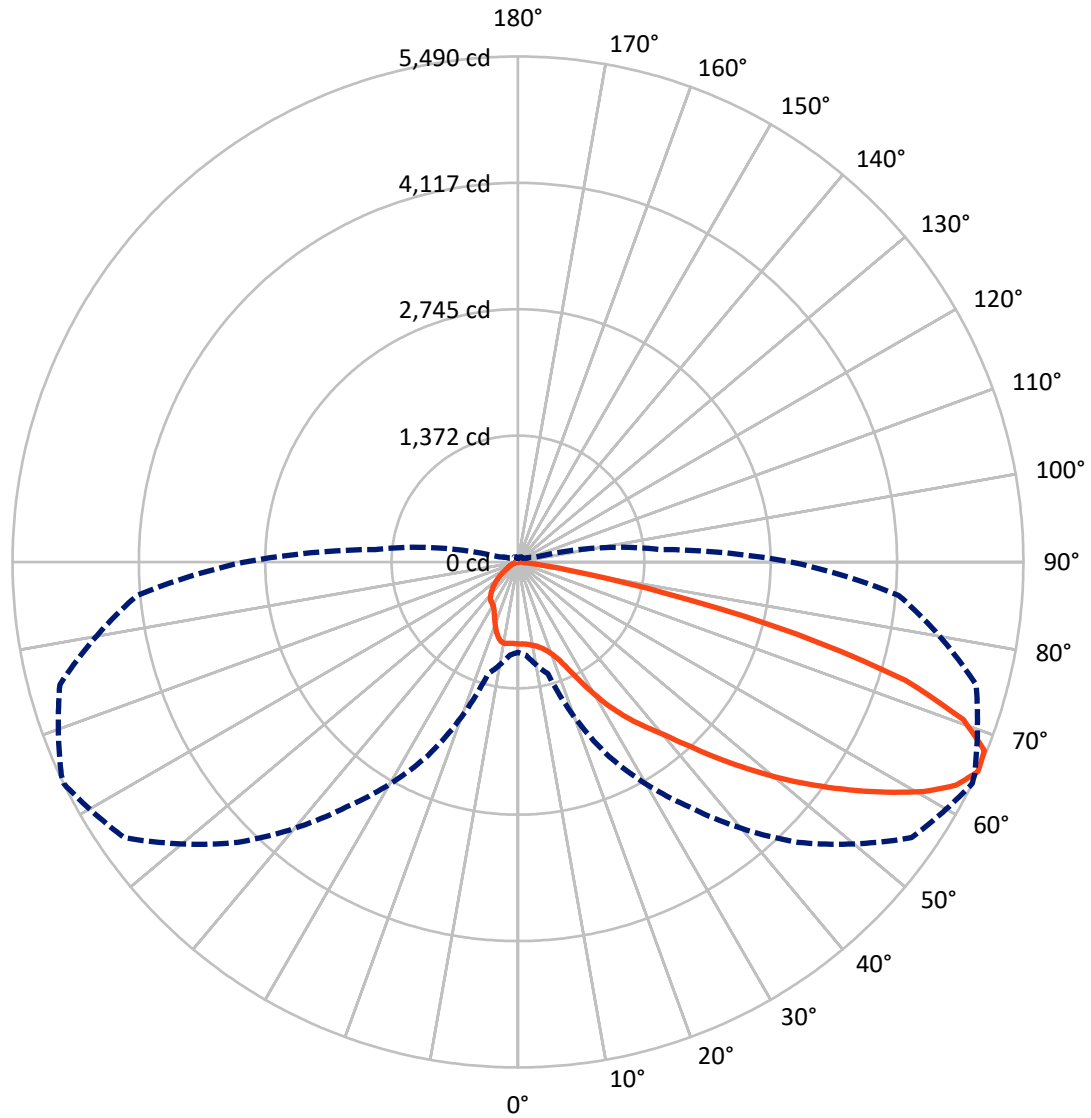
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	1022.9	0.0	1022.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6626.1	0.0	6626.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	7649.0	0.0	7649.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	1.1
10°-20°	222.6	2.9
20°-30°	421.9	5.5
30°-40°	853.6	11.2
40°-50°	1454.2	19.0
50°-60°	1977.6	25.9
60°-70°	1857.0	24.3
70°-80°	744.0	9.7
80°-90°	36.0	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°	7649.0	100.0
0°-180°	7649.0	100.0

Coefficient of Utilization



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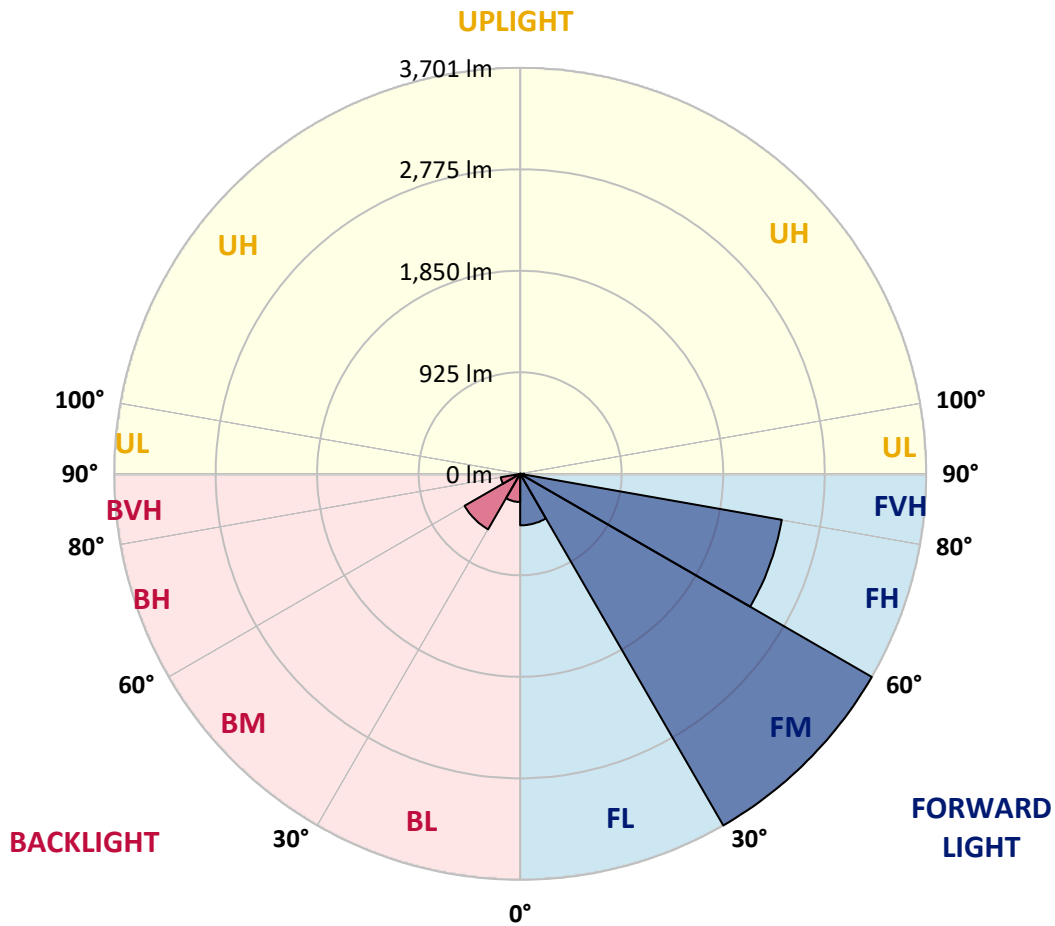
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.7	6.1			
FM (30°-60°)	3700.6	48.4			
FH (60°-80°)	2421.5	31.7			G2/5000
FVH (80°-90°)	34.3	0.4			G1/100
BL (0°-30°)	256.8	3.4	B1/500		
BM (30°-60°)	584.8	7.6	B1/1000		
BH (60°-80°)	179.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	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°	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7
2.5°	886.6	892.7	891.2	889.7	889.1	890.2	890.7	890.2	890.2	890.2
5°	869.7	874.8	874.8	878.4	883.5	889.7	894.3	895.3	896.3	897.9
7.5°	837.4	841.5	844.5	856.3	869.1	885.6	899.4	906.6	907.6	913.2
10°	815.3	820.4	825.6	837.9	856.3	880.9	904.5	922.0	924.5	937.9
12.5°	814.3	819.4	826.1	839.4	860.9	887.1	915.8	940.9	945.6	965.0
15°	825.0	831.2	837.4	853.8	876.8	908.6	939.4	970.7	975.3	1003.0
17.5°	847.1	855.3	859.9	876.3	900.9	936.3	976.8	1012.7	1016.8	1049.1
20°	890.7	900.4	902.0	915.3	939.4	977.3	1025.5	1070.2	1075.3	1112.2
22.5°	980.9	994.8	982.5	989.1	1010.7	1048.6	1100.9	1157.3	1164.5	1206.6
25°	1139.9	1159.4	1127.6	1116.3	1125.5	1165.0	1230.7	1301.9	1310.1	1344.0
27.5°	1452.2	1427.0	1378.8	1331.7	1304.0	1326.5	1400.4	1488.6	1498.8	1531.6
30°	1795.2	1773.2	1708.0	1603.4	1537.8	1534.2	1602.4	1700.9	1712.7	1743.9
32.5°	2138.8	2117.7	2047.0	1918.3	1804.4	1748.0	1795.2	1904.4	1910.6	1930.6
35°	2476.7	2455.1	2384.4	2252.6	2112.6	1984.4	1975.2	2098.3	2100.3	2121.3
37.5°	2816.7	2798.7	2723.3	2594.1	2456.2	2279.3	2193.6	2281.8	2284.4	2304.9
40°	3059.2	3066.9	3015.1	2915.1	2796.7	2603.3	2438.7	2477.2	2461.8	2496.2
42.5°	3267.4	3282.8	3237.6	3187.4	3118.7	2948.4	2742.3	2735.6	2711.0	2729.5
45°	3447.4	3460.2	3419.7	3407.9	3406.3	3286.9	3074.1	3034.1	2999.7	2996.1
47.5°	3513.5	3538.1	3555.6	3595.0	3672.0	3621.7	3417.1	3355.1	3316.6	3288.4
50°	3538.6	3564.8	3624.3	3739.1	3921.2	3942.7	3758.6	3688.9	3641.7	3590.4
52.5°	3504.8	3551.5	3631.4	3824.8	4088.8	4200.1	4086.3	4025.3	3971.4	3887.8
55°	3305.3	3352.0	3515.6	3823.7	4172.4	4380.6	4396.0	4368.8	4308.3	4176.5
57.5°	2884.9	2954.1	3213.0	3693.5	4170.9	4536.0	4699.5	4719.0	4651.3	4462.6
60°	2302.3	2396.2	2712.0	3404.8	4042.2	4620.1	4965.7	5063.1	4991.3	4744.7
62.5°	1606.5	1715.2	2014.2	2952.5	3747.8	4559.6	5160.0	5340.0	5285.6	4997.0
65°	979.9	1014.8	1255.8	2323.4	3247.4	4306.3	5220.0	5489.7	5471.8	5151.3
67.5°	652.8	682.0	751.2	1593.2	2520.8	3800.1	5076.4	5463.6	5468.7	5126.2
70°	393.3	418.4	463.5	926.6	1633.7	3007.9	4631.9	5130.3	5160.0	4790.3
72.5°	162.0	179.0	220.0	420.0	846.1	1909.0	3688.4	4404.7	4473.9	4027.8
75°	91.8	100.5	129.2	210.7	367.1	889.7	2234.1	3126.9	3228.9	2776.1
77.5°	61.0	65.1	83.6	136.4	206.6	303.6	954.8	1629.1	1823.9	1516.3
80°	41.0	44.6	57.4	91.3	134.3	130.2	304.1	603.5	742.5	521.0
82.5°	27.7	28.2	41.0	60.0	85.1	63.1	89.7	187.7	235.9	150.8
85°	15.9	15.4	30.3	34.9	37.9	26.2	27.2	56.4	73.8	63.6
87.5°	2.1	3.1	11.8	9.2	5.1	5.6	5.6	9.7	14.4	15.4
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°
889.7	0°	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7
890.7	2.5°	890.7	890.2	888.6	887.1	883.5	881.5	882.5	881.5	880.9	881.5
897.3	5°	897.3	895.8	891.7	886.6	879.4	870.7	865.0	856.8	849.1	844.5
915.3	7.5°	915.3	913.8	908.1	893.8	870.7	834.3	800.9	771.7	749.7	736.9
944.0	10°	944.0	941.4	932.7	900.9	840.4	761.0	694.8	639.9	604.0	587.1
977.9	12.5°	977.9	974.8	959.4	894.3	783.0	658.9	567.6	506.6	473.3	458.4
1016.8	15°	1017.9	1013.7	983.5	862.5	699.4	546.1	462.5	416.9	395.3	382.0
1066.6	17.5°	1067.6	1060.4	1001.4	814.8	608.7	460.0	397.9	363.6	344.6	331.8
1131.7	20°	1132.2	1120.4	1015.8	757.9	525.1	405.6	354.3	325.6	311.3	300.0
1224.0	22.5°	1222.4	1205.5	1033.2	696.3	466.1	368.2	322.0	301.0	289.2	276.4
1352.7	25°	1334.2	1314.2	1054.8	639.4	425.6	335.9	298.4	281.0	267.2	252.3
1521.4	27.5°	1490.6	1454.7	1080.4	592.8	390.7	308.2	276.9	257.4	241.5	229.2
1712.7	30°	1665.0	1606.0	1103.0	564.6	358.9	282.5	248.7	229.2	214.3	205.6
1884.4	32.5°	1830.1	1750.1	1117.8	552.3	330.2	253.3	217.9	196.9	185.6	183.1
2052.6	35°	1986.0	1880.3	1116.3	540.5	304.6	224.1	187.7	166.1	157.4	159.0
2233.6	37.5°	2165.4	2019.3	1105.5	522.0	283.6	197.4	161.5	142.6	134.9	135.4
2453.6	40°	2374.1	2179.8	1098.9	487.1	260.5	172.8	140.0	124.6	119.0	116.9
2685.4	42.5°	2596.7	2335.2	1099.9	447.6	231.8	150.8	125.1	112.3	107.2	105.6
2943.3	45°	2820.2	2483.4	1101.4	406.6	201.5	133.8	114.3	103.6	100.5	98.5
3204.8	47.5°	3030.5	2609.5	1072.7	362.5	171.8	121.0	105.6	98.5	95.9	93.3
3467.4	50°	3226.4	2693.6	1003.5	311.3	148.2	110.8	99.0	93.8	91.3	88.7
3705.3	52.5°	3378.6	2706.9	889.1	258.4	131.8	103.1	94.9	90.2	87.2	84.6
3897.6	55°	3446.3	2623.3	726.6	209.2	119.0	96.4	90.8	86.1	82.6	80.0
4048.8	57.5°	3428.9	2447.5	566.6	168.2	106.7	89.7	85.6	82.6	78.5	74.4
4171.4	60°	3343.3	2212.1	427.1	140.0	95.4	82.6	80.0	77.4	71.8	65.6
4218.6	62.5°	3195.1	1916.2	304.6	115.9	83.1	74.4	73.3	71.3	63.1	51.8
4148.8	65°	2968.4	1556.8	205.1	96.4	71.3	65.1	65.6	62.0	51.3	38.5
3893.5	67.5°	2637.2	1138.4	131.3	79.0	59.5	54.4	54.9	52.8	43.6	32.8
3409.4	70°	2215.2	753.8	85.6	60.0	47.7	42.0	45.1	45.6	36.9	26.7
2616.7	72.5°	1623.9	445.1	60.0	44.6	34.9	29.2	36.9	37.9	29.7	20.0
1574.2	75°	925.6	211.3	45.1	32.3	21.5	20.5	28.7	28.7	20.5	13.3
681.5	77.5°	388.7	88.2	31.8	21.0	12.3	11.8	19.5	17.9	10.3	6.2
166.1	80°	112.3	39.5	16.9	10.3	5.1	4.6	7.7	5.6	2.6	1.0
63.1	82.5°	44.1	17.4	6.7	4.1	2.1	2.1	1.0	0.0	0.0	0.0
35.9	85°	26.2	7.2	3.1	1.5	0.5	0.0	0.0	0.0	0.0	0.0
7.7	87.5°	6.7	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>
889.7
883.5
845.6
737.4
585.6
456.9
382.5
330.7
297.9
274.3
250.7
226.6
204.1
184.6
159.0
137.4
116.4
105.1
98.5
93.3
88.7
84.1
79.5
73.8
64.6
50.8
37.4
31.3
25.6
19.0
12.3
6.2
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