

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: P948037

Luminaire Tested: **GALN-SB3A-950-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948037
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-950-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 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: 7155 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

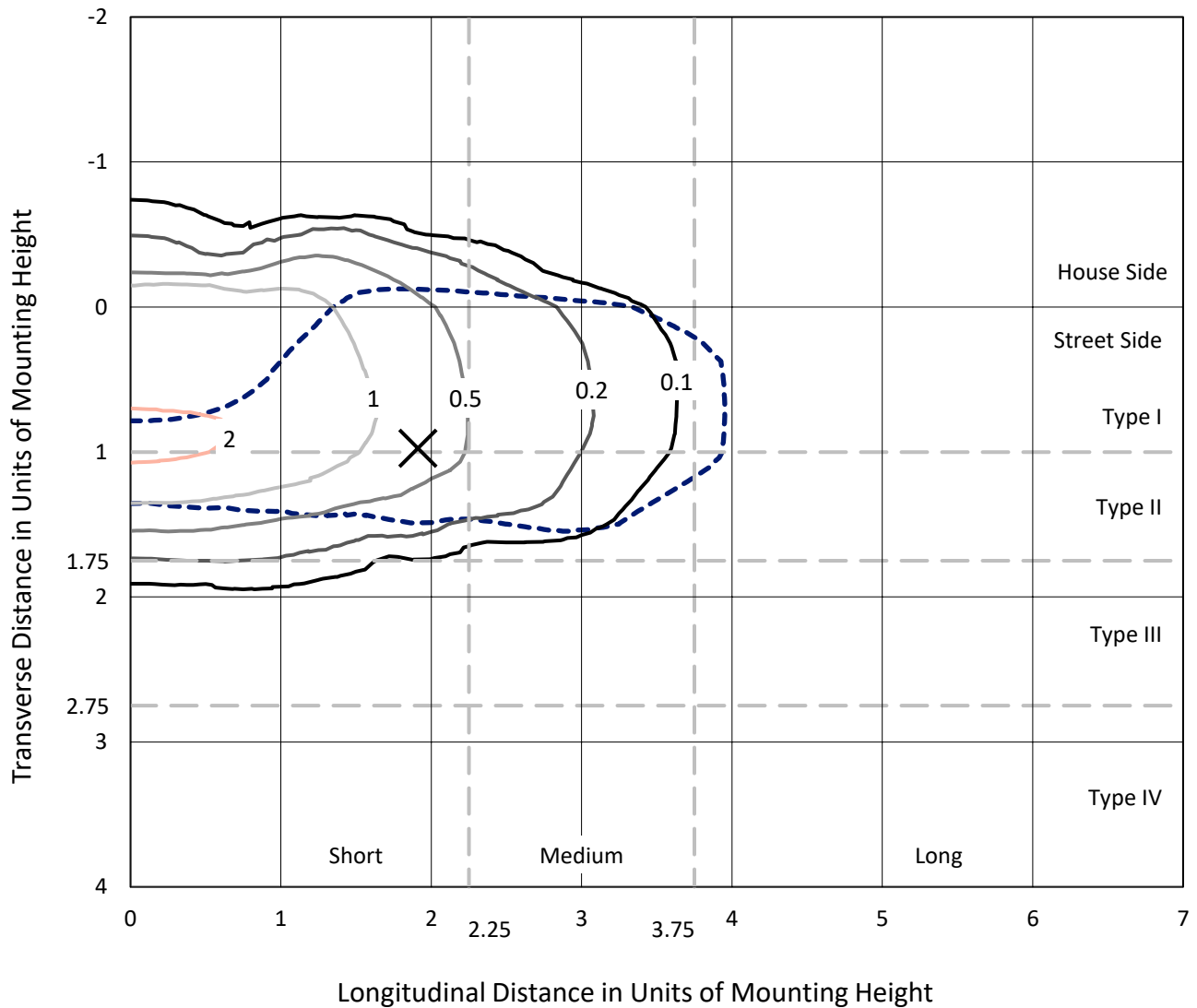
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

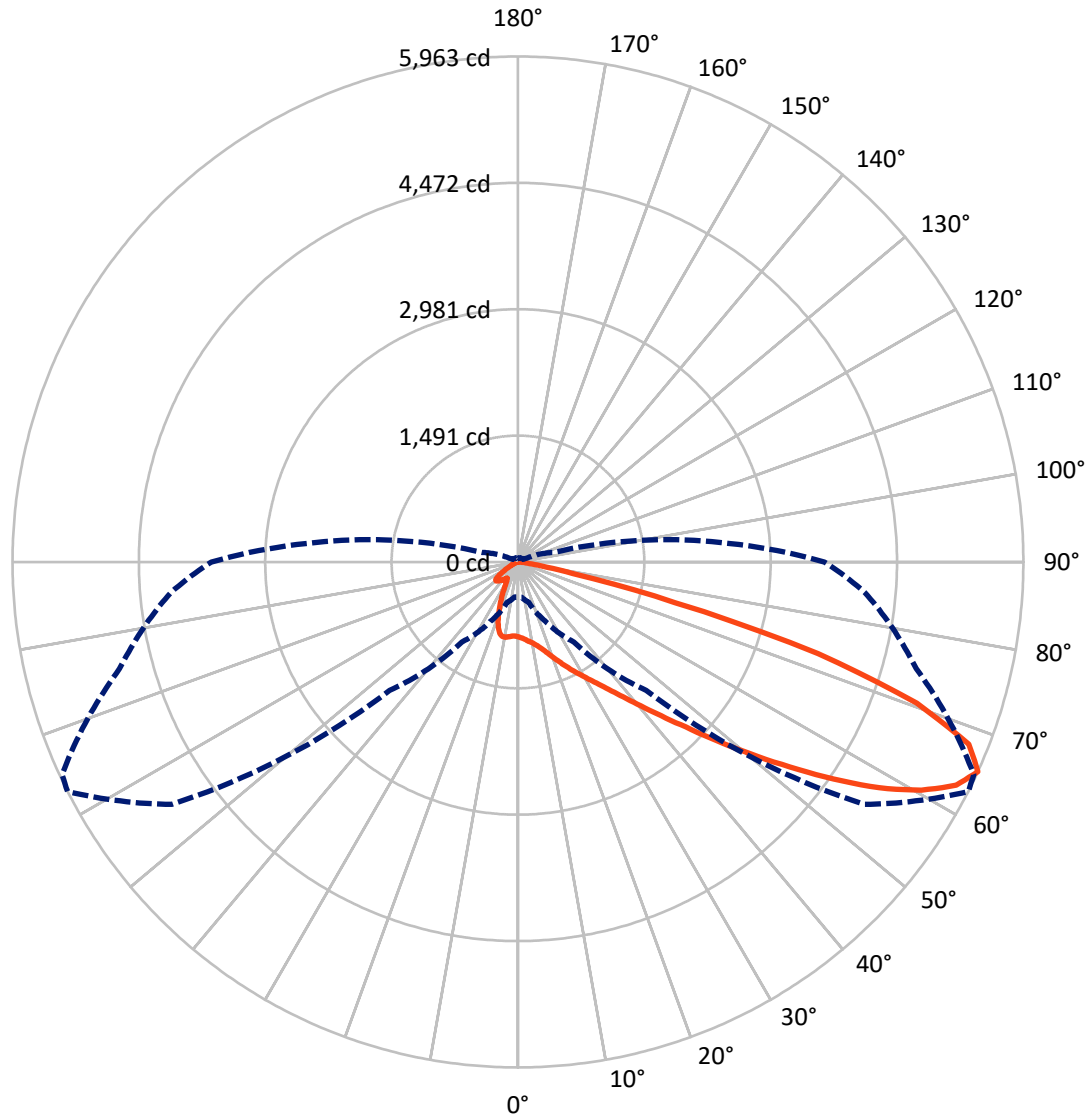
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	1051.7	0.0	1051.7
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	6103.3	0.0	6103.3
	% Fixture	85.3	0.0	85.3
Total	Lumens	7155.0	0.0	7155.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	1.2
10°-20°	230.9	3.2
20°-30°	402.0	5.6
30°-40°	724.5	10.1
40°-50°	1436.9	20.1
50°-60°	1957.4	27.4
60°-70°	1562.3	21.8
70°-80°	707.0	9.9
80°-90°	50.8	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°	7155.0	100.0
0°-180°	7155.0	100.0

Coefficient of Utilization



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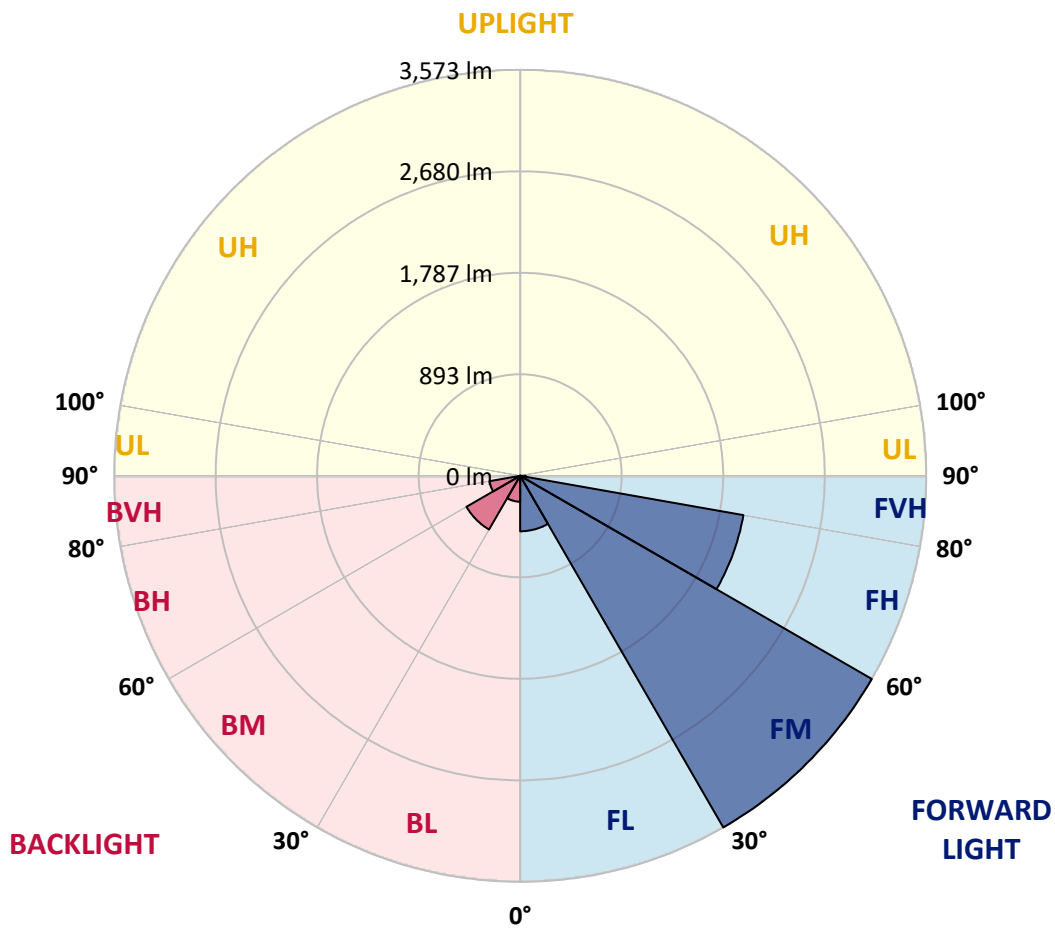
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	488.4	6.8			
FM (30°-60°)	3573.0	49.9			
FH (60°-80°)	1994.8	27.9			G2/5000
FVH (80°-90°)	47.0	0.7			G1/100
BL (0°-30°)	227.6	3.2	B1/500		
BM (30°-60°)	545.8	7.6	B1/1000		
BH (60°-80°)	274.6	3.8	B1/500		G1/500
BVH (80°-90°)	3.8	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1
2.5°	903.7	901.3	904.7	903.2	902.3	900.3	899.3	898.3	896.4	894.9
5°	906.2	904.7	908.2	911.1	914.1	917.0	918.5	920.5	918.5	914.6
7.5°	885.5	884.5	891.9	900.8	914.1	925.4	937.7	944.6	945.1	943.6
10°	884.0	881.6	889.0	899.8	917.0	937.2	958.9	973.6	975.6	982.0
12.5°	907.2	904.7	915.1	926.9	944.6	965.8	992.3	1013.0	1016.0	1024.8
15°	946.1	942.6	954.4	969.7	992.3	1016.5	1044.5	1063.2	1065.7	1076.5
17.5°	991.4	987.9	1001.7	1017.9	1042.5	1075.5	1108.0	1128.7	1131.6	1138.5
20°	1049.4	1045.0	1055.8	1070.6	1096.7	1136.1	1175.0	1204.5	1204.0	1204.0
22.5°	1116.9	1110.0	1119.3	1131.1	1155.8	1203.5	1255.2	1290.1	1290.1	1276.4
25°	1189.2	1182.3	1192.7	1203.5	1225.2	1279.3	1339.9	1383.2	1385.1	1361.5
27.5°	1279.8	1270.9	1278.8	1291.6	1304.4	1359.5	1431.4	1481.6	1482.6	1446.2
30°	1454.1	1428.9	1404.3	1390.6	1396.5	1451.1	1527.9	1583.5	1588.4	1538.2
32.5°	1773.0	1768.1	1681.5	1568.2	1509.2	1549.5	1635.7	1702.6	1705.6	1641.1
35°	2268.7	2262.8	2123.5	1907.9	1715.4	1681.5	1766.6	1845.9	1843.9	1771.0
37.5°	2860.4	2854.9	2671.3	2382.9	2071.3	1880.8	1935.5	2018.6	2030.9	1935.5
40°	3365.9	3345.7	3229.5	2951.4	2543.8	2211.6	2175.7	2230.8	2243.6	2130.4
42.5°	3748.8	3731.6	3672.5	3498.8	3115.8	2700.9	2458.7	2479.9	2494.1	2358.3
45°	3947.2	3943.3	3966.9	3950.6	3698.6	3301.4	2863.3	2775.2	2780.6	2610.8
47.5°	3975.3	3973.3	4081.1	4233.7	4199.7	3978.7	3382.6	3143.4	3124.2	2895.8
50°	3809.9	3805.9	4012.7	4298.7	4534.4	4547.7	3972.3	3558.3	3516.0	3190.6
52.5°	3281.7	3280.7	3620.4	4096.3	4652.1	5045.9	4555.1	4014.1	3943.3	3502.7
55°	2525.1	2543.4	2932.7	3495.3	4437.5	5285.6	5078.3	4520.2	4411.4	3816.8
57.5°	1788.8	1815.3	2200.3	2701.4	3772.0	5143.8	5432.3	5027.2	4910.0	4129.8
60°	960.8	984.5	1369.9	1967.9	2806.2	4615.2	5618.8	5467.2	5356.5	4427.1
62.5°	572.5	580.3	739.8	1270.4	1898.0	3525.8	5539.6	5802.4	5711.4	4676.7
65°	411.0	412.5	492.7	775.8	1152.3	2142.2	4983.8	5962.9	5934.8	4864.7
67.5°	346.0	345.1	378.5	515.4	785.1	1073.1	3819.7	5736.0	5855.1	4983.8
70°	296.8	298.3	337.7	377.5	590.2	607.4	1899.0	4994.2	5248.2	5015.3
72.5°	221.0	225.9	262.4	344.1	445.5	417.9	655.7	3703.1	4162.3	4725.4
75°	156.0	158.5	184.6	289.4	332.3	304.2	334.7	1914.3	2503.0	3622.8
77.5°	120.1	124.5	139.8	202.3	327.3	213.6	204.8	662.5	1017.9	2188.5
80°	65.0	72.9	100.9	146.2	229.9	151.1	101.4	263.8	345.1	1023.3
82.5°	33.5	37.4	70.4	105.3	130.9	131.9	50.2	109.8	142.3	316.0
85°	13.3	16.2	47.3	58.1	67.4	65.0	22.6	44.3	51.2	87.6
87.5°	3.0	4.9	17.2	13.3	12.8	13.8	5.4	10.3	9.8	10.3
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°
883.1	0°	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1
889.0	2.5°	888.5	886.5	881.1	875.2	868.3	864.4	861.9	861.4	858.0	855.5
908.7	5°	903.2	901.3	890.9	878.6	865.3	855.0	845.2	836.3	823.5	821.0
937.2	7.5°	932.8	927.4	910.6	893.9	868.8	838.8	802.3	760.5	723.1	711.8
975.1	10°	969.2	961.8	940.7	911.1	855.5	773.8	685.7	604.0	539.0	520.8
1019.9	12.5°	1010.5	1004.2	976.1	921.5	799.9	651.7	516.8	415.4	352.4	336.7
1067.6	15°	1059.8	1050.4	1011.5	905.7	700.4	495.2	354.9	294.8	272.2	269.3
1122.3	17.5°	1111.9	1096.7	1043.0	849.1	566.6	351.9	274.2	256.9	247.1	244.1
1177.4	20°	1159.7	1140.0	1061.7	763.5	423.3	274.2	245.6	234.3	225.4	222.0
1232.5	22.5°	1207.4	1179.4	1061.7	646.8	317.5	243.2	225.4	215.1	204.8	200.3
1291.6	25°	1257.2	1219.7	1043.0	516.8	255.5	223.0	206.2	194.9	186.1	180.6
1347.7	27.5°	1305.4	1253.7	1000.2	393.8	227.4	205.3	188.5	177.7	169.3	165.4
1408.8	30°	1351.2	1287.2	940.2	298.8	209.2	188.0	172.3	162.9	154.6	150.6
1488.0	32.5°	1413.2	1329.5	876.2	245.1	193.4	171.8	157.5	148.7	141.3	138.3
1590.9	35°	1499.3	1392.0	821.0	240.7	180.2	158.5	144.2	135.9	128.5	126.0
1723.8	37.5°	1621.4	1492.9	792.0	270.2	169.3	146.7	133.4	124.5	117.6	115.7
1892.6	40°	1772.0	1629.8	807.8	299.8	161.9	136.3	123.5	114.7	108.8	106.3
2086.6	42.5°	1950.7	1798.6	894.9	322.4	157.0	127.5	114.2	104.4	100.4	99.4
2306.6	45°	2156.0	1984.2	1028.3	346.5	149.1	119.1	104.8	97.5	94.5	94.0
2545.8	47.5°	2389.3	2188.0	1182.8	376.6	141.3	111.2	97.5	92.5	90.1	89.1
2795.4	50°	2620.6	2393.2	1341.8	393.3	134.9	103.9	91.6	87.6	85.6	85.2
3059.2	52.5°	2862.8	2604.4	1470.3	377.5	129.5	98.0	86.6	83.7	81.7	81.2
3302.4	55°	3093.7	2775.2	1492.4	320.4	118.6	92.0	81.2	79.7	77.3	77.3
3549.0	57.5°	3292.5	2860.8	1335.9	235.3	107.8	83.2	75.8	74.3	72.4	71.9
3771.5	60°	3475.1	2836.2	1031.2	158.5	96.0	74.3	68.9	67.9	66.0	63.5
3964.9	62.5°	3578.0	2727.9	705.4	103.4	84.2	65.0	61.0	60.5	56.1	51.2
4108.2	65°	3616.9	2505.5	440.1	75.3	70.4	55.6	52.7	51.7	45.3	39.9
4189.4	67.5°	3582.9	2139.2	222.0	59.6	55.6	46.3	43.3	43.3	38.9	34.0
4184.5	70°	3447.1	1603.7	93.5	47.7	42.8	35.4	35.4	37.4	33.0	27.6
3967.4	72.5°	3152.2	1079.0	49.7	36.4	32.0	25.1	29.0	30.5	26.1	20.7
3247.2	75°	2505.9	658.1	34.5	27.1	20.2	17.7	22.2	23.1	17.7	13.8
2226.4	77.5°	1713.9	378.0	23.1	17.2	12.8	10.3	15.3	14.3	9.4	6.4
858.5	80°	752.6	157.5	13.3	7.9	4.9	3.9	5.4	3.9	3.0	2.0
117.6	82.5°	88.1	36.9	4.9	3.0	2.0	1.0	0.5	0.0	0.0	0.0
35.9	85°	18.2	4.4	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
6.4	87.5°	3.4	1.0	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>
883.1
858.0
820.1
706.4
513.9
332.3
266.3
242.7
220.0
197.9
178.7
165.4
151.1
138.3
126.0
115.2
105.8
99.4
93.5
89.1
85.2
81.2
76.8
71.4
63.0
50.2
39.4
33.5
27.1
20.7
13.3
6.9
2.0
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