

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: P940406

Luminaire Tested: **GALN-SB3B-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940406
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-SB3B-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 450mA 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: 9218 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

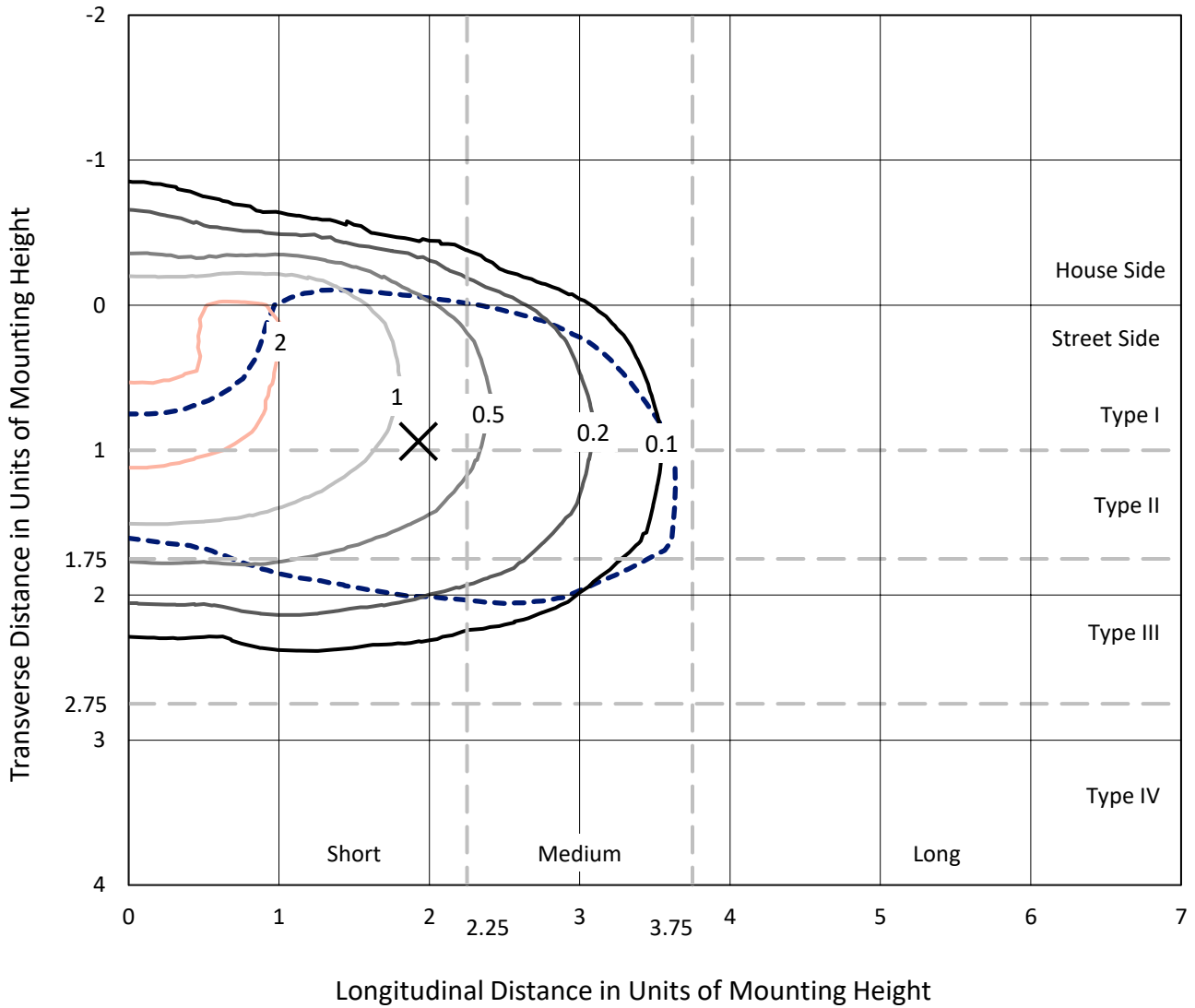
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

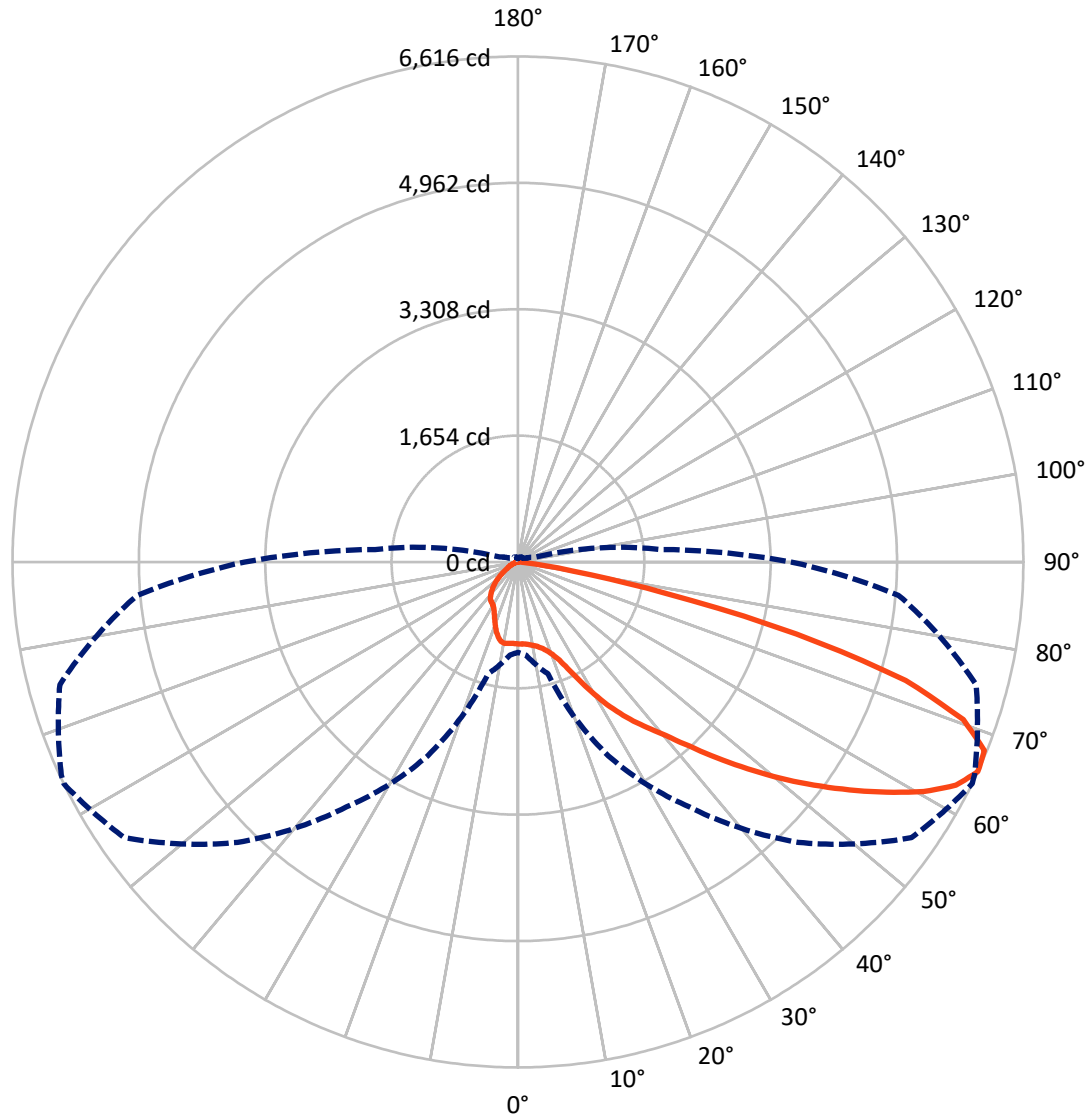
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	1232.7	0.0	1232.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7985.3	0.0	7985.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	9218.0	0.0	9218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.1
10°-20°	268.3	2.9
20°-30°	508.4	5.5
30°-40°	1028.7	11.2
40°-50°	1752.5	19.0
50°-60°	2383.2	25.9
60°-70°	2238.0	24.3
70°-80°	896.6	9.7
80°-90°	43.4	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°	9218.0	100.0
0°-180°	9218.0	100.0

Coefficient of Utilization



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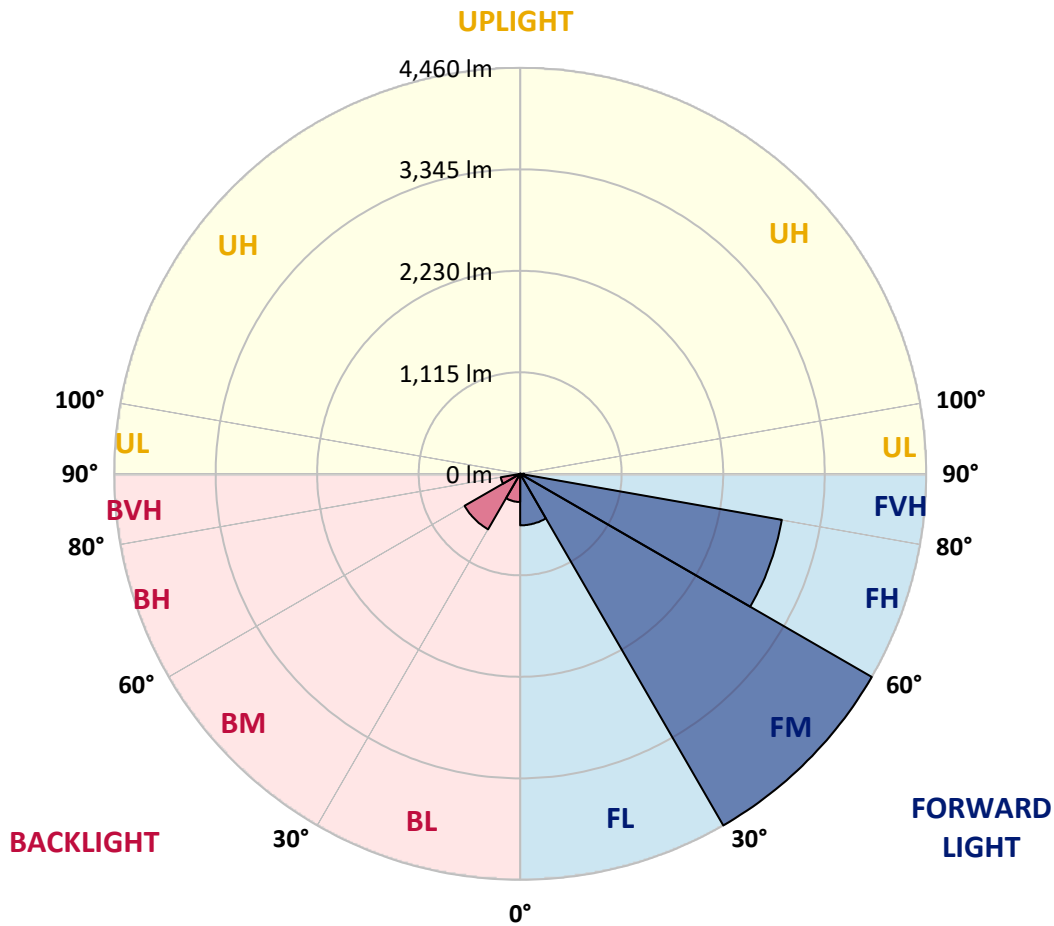
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	566.1	6.1			
FM (30°-60°)	4459.7	48.4			
FH (60°-80°)	2918.2	31.7			G2/5000
FVH (80°-90°)	41.3	0.4			G1/100
BL (0°-30°)	309.5	3.4	B1/500		
BM (30°-60°)	704.7	7.6	B1/1000		
BH (60°-80°)	216.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.1	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°	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1
2.5°	1068.4	1075.9	1074.0	1072.1	1071.5	1072.8	1073.4	1072.8	1072.8	1072.8
5°	1048.0	1054.2	1054.2	1058.6	1064.7	1072.1	1077.7	1078.9	1080.2	1082.0
7.5°	1009.1	1014.1	1017.8	1032.0	1047.4	1067.2	1083.9	1092.5	1093.8	1100.6
10°	982.5	988.7	994.9	1009.7	1032.0	1061.6	1090.1	1111.1	1114.2	1130.2
12.5°	981.3	987.5	995.5	1011.6	1037.5	1069.1	1103.7	1133.9	1139.5	1163.0
15°	994.3	1001.7	1009.1	1028.9	1056.7	1095.0	1132.1	1169.8	1175.3	1208.7
17.5°	1020.9	1030.7	1036.3	1056.1	1085.7	1128.4	1177.2	1220.5	1225.4	1264.3
20°	1073.4	1085.1	1087.0	1103.0	1132.1	1177.8	1235.9	1289.7	1295.8	1340.3
22.5°	1182.1	1198.8	1184.0	1192.0	1218.0	1263.7	1326.7	1394.7	1403.4	1454.0
25°	1373.7	1397.2	1358.9	1345.3	1356.4	1404.0	1483.1	1569.0	1578.9	1619.7
27.5°	1750.0	1719.8	1661.7	1604.8	1571.5	1598.6	1687.6	1793.9	1806.3	1845.8
30°	2163.5	2136.9	2058.4	1932.3	1853.2	1848.9	1931.1	2049.8	2064.0	2101.7
32.5°	2577.5	2552.1	2466.9	2311.8	2174.6	2106.6	2163.5	2295.1	2302.5	2326.6
35°	2984.7	2958.8	2873.5	2714.7	2546.0	2391.5	2380.4	2528.7	2531.1	2556.5
37.5°	3394.4	3372.8	3282.0	3126.2	2960.0	2746.8	2643.6	2749.9	2753.0	2777.7
40°	3686.7	3696.0	3633.6	3513.1	3370.3	3137.3	2939.0	2985.3	2966.8	3008.2
42.5°	3937.6	3956.1	3901.8	3841.2	3758.4	3553.2	3304.8	3296.8	3267.1	3289.4
45°	4154.5	4169.9	4121.1	4106.9	4105.1	3961.1	3704.6	3656.4	3615.0	3610.7
47.5°	4234.2	4263.9	4284.9	4332.5	4425.2	4364.6	4118.0	4043.3	3996.9	3962.9
50°	4264.5	4296.0	4367.7	4506.1	4725.5	4751.4	4529.6	4445.6	4388.7	4326.9
52.5°	4223.7	4279.9	4376.3	4609.3	4927.6	5061.7	4924.5	4850.9	4786.0	4685.3
55°	3983.3	4039.6	4236.7	4608.1	5028.3	5279.2	5297.7	5265.0	5192.0	5033.2
57.5°	3476.6	3560.0	3872.1	4451.1	5026.4	5466.4	5663.5	5687.0	5605.5	5378.0
60°	2774.6	2887.7	3268.4	4103.2	4871.3	5567.8	5984.3	6101.7	6015.2	5717.9
62.5°	1936.0	2067.1	2427.3	3558.2	4516.6	5494.8	6218.5	6435.4	6369.9	6022.0
65°	1180.9	1222.9	1513.4	2799.9	3913.5	5189.6	6290.8	6615.8	6594.2	6208.0
67.5°	786.7	821.9	905.3	1920.0	3037.9	4579.7	6117.7	6584.3	6590.5	6177.7
70°	474.0	504.2	558.6	1116.6	1968.8	3624.9	5582.0	6182.6	6218.5	5772.9
72.5°	195.3	215.7	265.1	506.1	1019.6	2300.6	4444.9	5308.2	5391.6	4854.0
75°	110.6	121.1	155.7	254.0	442.5	1072.1	2692.4	3768.3	3891.3	3345.6
77.5°	73.5	78.5	100.7	164.4	249.0	365.8	1150.6	1963.2	2198.1	1827.3
80°	49.4	53.8	69.2	110.0	161.9	157.0	366.4	727.3	894.8	627.8
82.5°	33.4	34.0	49.4	72.3	102.6	76.0	108.1	226.2	284.3	181.7
85°	19.2	18.5	36.5	42.0	45.7	31.5	32.8	68.0	89.0	76.6
87.5°	2.5	3.7	14.2	11.1	6.2	6.8	6.8	11.7	17.3	18.5
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°
1072.1	0°	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1
1073.4	2.5°	1073.4	1072.8	1070.9	1069.1	1064.7	1062.3	1063.5	1062.3	1061.6	1062.3
1081.4	5°	1081.4	1079.6	1074.6	1068.4	1059.8	1049.3	1042.5	1032.6	1023.3	1017.8
1103.0	7.5°	1103.0	1101.2	1094.4	1077.1	1049.3	1005.4	965.2	930.0	903.4	888.0
1137.7	10°	1137.7	1134.6	1124.1	1085.7	1012.8	917.0	837.3	771.2	727.9	707.6
1178.4	12.5°	1178.4	1174.7	1156.2	1077.7	943.6	794.1	684.1	610.5	570.4	552.5
1225.4	15°	1226.6	1221.7	1185.2	1039.4	842.9	658.1	557.4	502.4	476.4	460.4
1285.3	17.5°	1286.6	1277.9	1206.9	981.9	733.5	554.3	479.5	438.1	415.3	399.8
1363.8	20°	1364.4	1350.2	1224.2	913.3	632.8	488.8	427.0	392.4	375.1	361.5
1475.1	22.5°	1473.2	1452.8	1245.2	839.2	561.7	443.7	388.1	362.7	348.5	333.1
1630.2	25°	1607.9	1583.8	1271.1	770.6	512.9	404.8	359.6	338.6	322.0	304.0
1833.5	27.5°	1796.4	1753.1	1302.0	714.4	470.9	371.4	333.7	310.2	291.1	276.2
2064.0	30°	2006.5	1935.4	1329.2	680.4	432.6	340.5	299.7	276.2	258.3	247.8
2271.0	32.5°	2205.5	2109.1	1347.1	665.5	398.0	305.3	262.6	237.3	223.7	220.6
2473.7	35°	2393.3	2266.0	1345.3	651.3	367.1	270.0	226.2	200.2	189.7	191.6
2691.8	37.5°	2609.6	2433.5	1332.3	629.1	341.7	237.9	194.7	171.8	162.5	163.1
2956.9	40°	2861.1	2626.9	1324.3	587.1	313.9	208.3	168.7	150.2	143.4	140.9
3236.2	42.5°	3129.3	2814.2	1325.5	539.5	279.3	181.7	150.8	135.3	129.2	127.3
3547.1	45°	3398.7	2992.7	1327.4	490.0	242.9	161.3	137.8	124.8	121.1	118.6
3862.2	47.5°	3652.1	3144.8	1292.8	436.9	207.0	145.8	127.3	118.6	115.6	112.5
4178.6	50°	3888.2	3246.1	1209.3	375.1	178.6	133.5	119.3	113.1	110.0	106.9
4465.3	52.5°	4071.7	3262.2	1071.5	311.4	158.8	124.2	114.3	108.8	105.1	102.0
4697.1	55°	4153.3	3161.4	875.6	252.1	143.4	116.2	109.4	103.8	99.5	96.4
4879.4	57.5°	4132.3	2949.5	682.8	202.7	128.5	108.1	103.2	99.5	94.5	89.6
5027.1	60°	4029.1	2665.9	514.8	168.7	114.9	99.5	96.4	93.3	86.5	79.1
5083.9	62.5°	3850.5	2309.3	367.1	139.7	100.1	89.6	88.4	85.9	76.0	62.4
4999.9	65°	3577.3	1876.1	247.2	116.2	85.9	78.5	79.1	74.8	61.8	46.3
4692.1	67.5°	3178.1	1371.9	158.2	95.2	71.7	65.5	66.1	63.6	52.5	39.5
4108.8	70°	2669.6	908.4	103.2	72.3	57.5	50.7	54.4	55.0	44.5	32.1
3153.4	72.5°	1957.1	536.4	72.3	53.8	42.0	35.2	44.5	45.7	35.8	24.1
1897.1	75°	1115.4	254.6	54.4	38.9	26.0	24.7	34.6	34.6	24.7	16.1
821.3	77.5°	468.4	106.3	38.3	25.3	14.8	14.2	23.5	21.6	12.4	7.4
200.2	80°	135.3	47.6	20.4	12.4	6.2	5.6	9.3	6.8	3.1	1.2
76.0	82.5°	53.1	21.0	8.0	4.9	2.5	2.5	1.2	0.0	0.0	0.0
43.3	85°	31.5	8.7	3.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0
9.3	87.5°	8.0	1.9	1.2	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>
1072.1
1064.7
1019.0
888.6
705.7
550.6
461.0
398.6
359.0
330.6
302.2
273.1
245.9
222.5
191.6
165.6
140.3
126.7
118.6
112.5
106.9
101.3
95.8
89.0
77.9
61.2
45.1
37.7
30.9
22.9
14.8
7.4
1.2
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