

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: P945845

Luminaire Tested: **GALN-SB1C-935-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1C-935-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4197 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

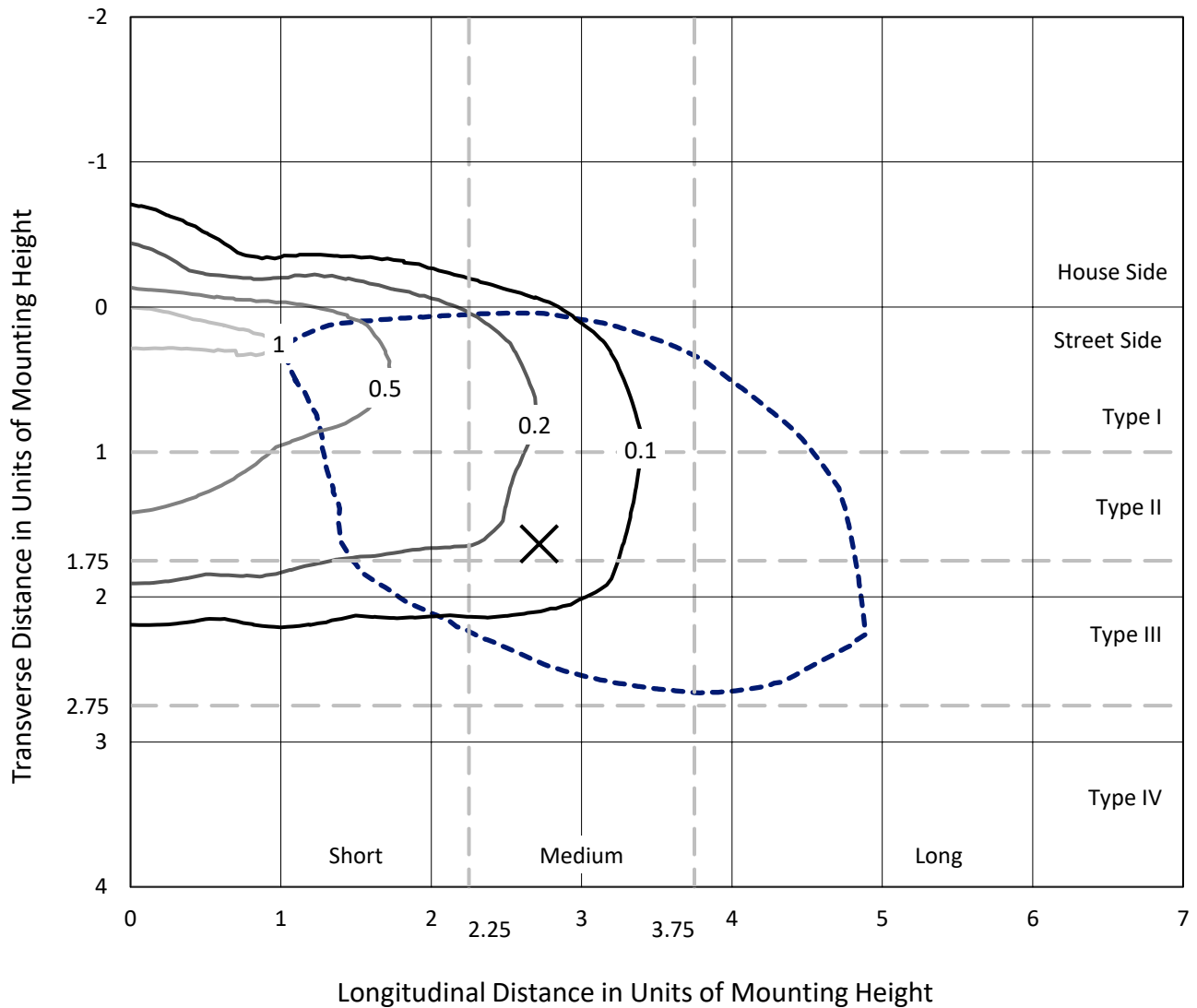
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

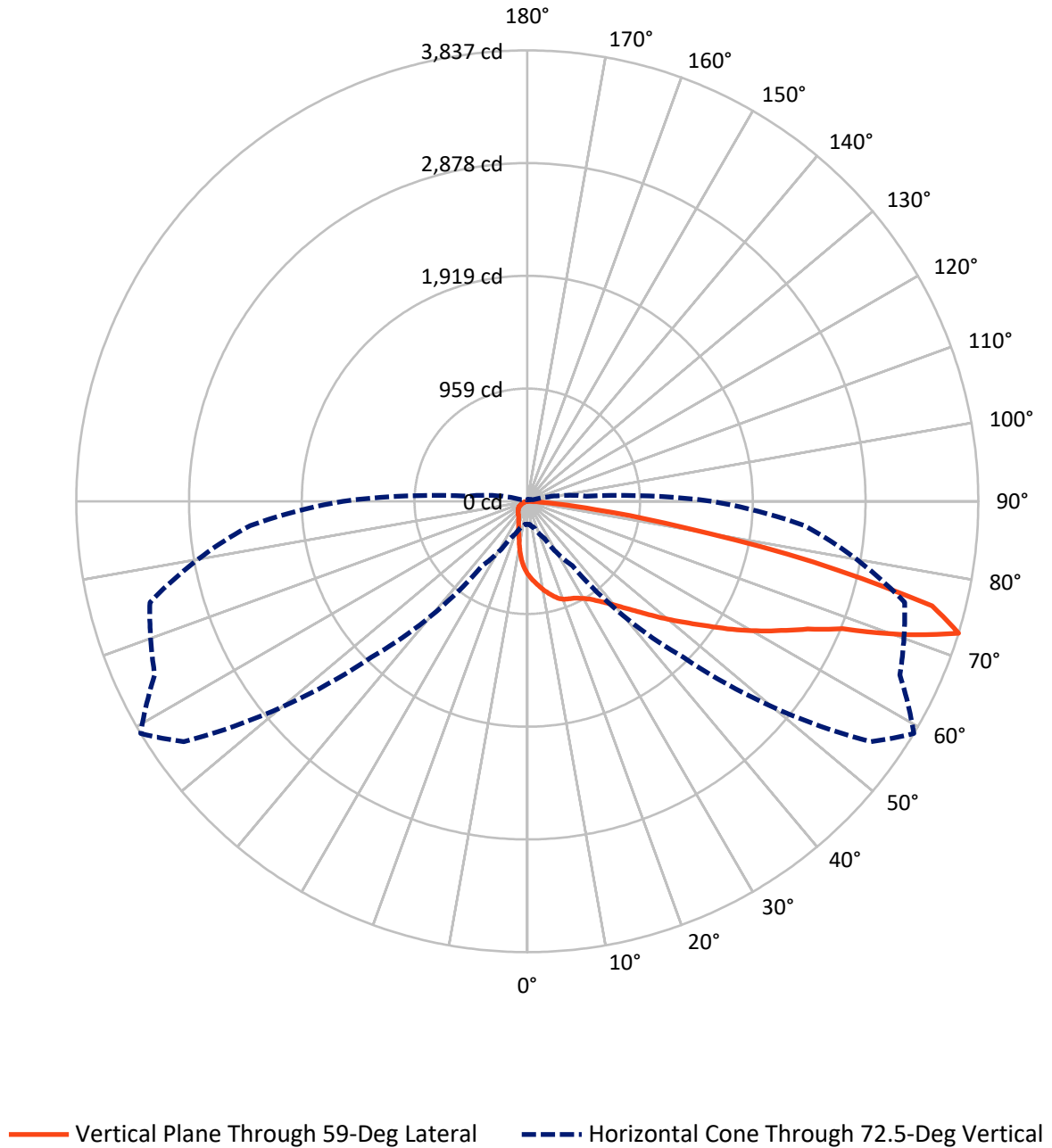
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	443.3	0.0	443.3
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	3753.7	0.0	3753.7
	% Fixture	89.4	0.0	89.4
Total	Lumens	4197.0	0.0	4197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	1.3
10°-20°	149.1	3.6
20°-30°	236.4	5.6
30°-40°	379.3	9.0
40°-50°	605.9	14.4
50°-60°	877.2	20.9
60°-70°	1041.0	24.8
70°-80°	772.8	18.4
80°-90°	79.0	1.9
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°	4197.0	100.0
0°-180°	4197.0	100.0

Coefficient of Utilization



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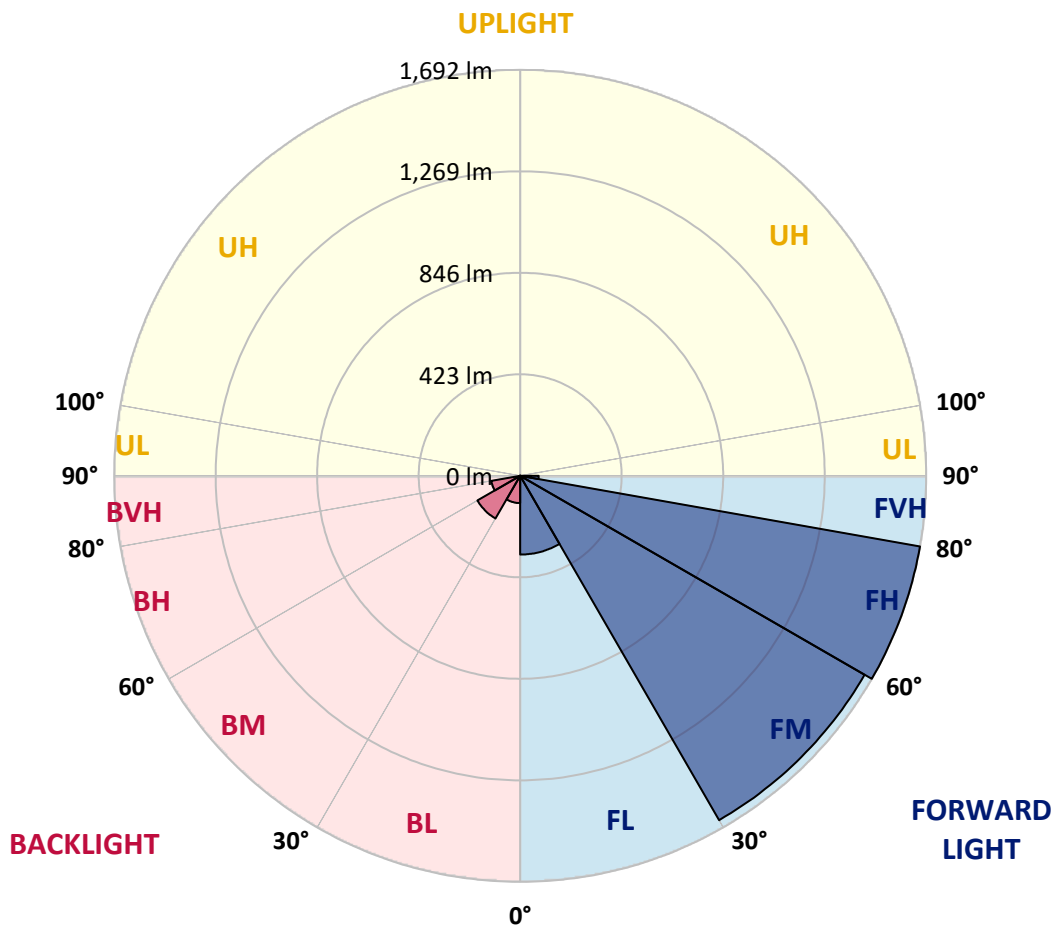
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.1	7.8			
FM (30°-60°)	1656.9	39.5			
FH (60°-80°)	1691.6	40.3			G1/1800
FVH (80°-90°)	77.1	1.8			G1/100
BL (0°-30°)	113.6	2.7	B1/500		
BM (30°-60°)	205.5	4.9	B0/220		
BH (60°-80°)	122.2	2.9	B1/500		G1/500
BVH (80°-90°)	2.0	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6
2.5°	688.6	684.8	685.3	678.7	674.1	669.1	659.5	658.2	651.3	639.3
5°	748.6	746.1	743.9	736.5	727.0	714.9	698.7	693.0	680.4	659.5
7.5°	792.4	789.4	790.5	783.1	775.5	762.0	739.8	729.1	712.4	680.6
10°	800.9	799.3	806.4	809.2	809.2	800.7	779.0	768.3	743.9	703.4
12.5°	753.3	753.5	771.3	792.7	820.7	828.6	814.1	802.6	778.5	727.5
15°	697.6	697.9	715.2	742.6	788.3	834.1	845.6	838.2	813.3	753.5
17.5°	664.2	662.8	674.3	696.8	744.8	809.2	864.8	869.7	849.4	782.3
20°	659.5	657.1	663.1	674.3	708.6	777.9	867.0	890.3	886.7	814.9
22.5°	688.0	684.2	680.9	681.5	696.0	751.9	861.5	901.8	925.1	854.1
25°	744.5	738.5	727.8	714.1	711.1	746.4	857.7	914.4	960.7	904.2
27.5°	813.5	805.0	784.5	763.9	746.4	761.8	865.6	934.4	1001.0	962.6
30°	889.4	879.0	858.5	819.6	791.6	796.0	884.5	960.7	1052.5	1028.6
32.5°	1001.0	976.9	941.0	881.5	844.5	833.0	913.0	994.1	1116.3	1116.6
35°	1096.6	1083.2	1047.0	973.0	897.1	882.0	950.5	1041.2	1204.8	1233.1
37.5°	1159.3	1141.0	1109.2	1053.6	978.8	932.5	1000.7	1099.1	1298.5	1365.7
40°	1229.5	1211.4	1169.2	1116.9	1073.6	1019.0	1064.0	1165.6	1401.3	1501.9
42.5°	1314.2	1290.6	1240.7	1184.3	1139.1	1133.0	1146.7	1248.7	1506.8	1649.8
45°	1413.6	1391.4	1334.2	1262.9	1223.2	1212.5	1250.9	1345.4	1624.3	1812.0
47.5°	1506.8	1481.0	1419.4	1354.4	1310.3	1276.6	1361.6	1459.7	1757.5	1981.7
50°	1586.0	1559.7	1503.2	1433.9	1404.0	1359.9	1470.3	1587.1	1889.6	2154.0
52.5°	1640.2	1616.9	1550.6	1503.5	1483.2	1461.0	1597.8	1722.2	2021.1	2311.8
55°	1627.9	1607.1	1548.7	1545.4	1544.1	1567.3	1750.1	1875.3	2155.1	2461.2
57.5°	1588.7	1565.2	1492.3	1542.4	1590.9	1662.2	1915.1	2056.5	2302.0	2602.0
60°	1473.4	1465.1	1420.8	1536.7	1610.6	1755.0	2103.6	2238.4	2460.9	2725.9
62.5°	1229.2	1236.3	1236.1	1548.7	1646.3	1860.8	2274.8	2422.5	2616.3	2845.1
65°	920.4	945.1	976.6	1440.2	1693.9	2049.6	2479.5	2622.3	2774.1	2983.7
67.5°	618.4	638.2	659.5	1181.5	1552.0	2248.0	2819.6	2896.0	2963.2	3137.4
70°	354.0	360.3	390.2	737.9	1196.3	2193.2	3373.4	3401.0	3245.1	3326.8
72.5°	198.4	196.2	235.6	350.2	668.6	1878.1	3567.4	3837.3	3497.5	3323.8
75°	132.6	132.9	162.2	220.9	260.6	1314.7	3074.1	3558.0	3346.2	2947.3
77.5°	90.4	93.4	119.2	170.7	120.6	641.5	2033.7	2492.4	2709.2	2275.9
80°	39.2	39.5	78.6	122.5	81.4	204.1	1054.4	1335.3	1699.1	1278.0
82.5°	20.3	23.0	50.1	79.2	51.2	71.5	498.2	583.4	713.0	375.1
85°	7.1	8.5	31.0	38.9	25.8	25.5	173.4	176.7	151.0	56.4
87.5°	0.0	1.4	12.1	9.6	3.3	3.0	20.6	17.3	13.7	7.9
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°
620.6	0°	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6
626.9	2.5°	621.2	613.8	601.7	586.9	569.7	560.4	546.9	538.7	531.3	531.6
635.4	5°	622.0	609.7	579.0	546.4	510.2	483.6	454.0	433.2	417.3	413.5
644.2	7.5°	624.5	603.6	553.5	499.2	439.0	394.3	353.5	327.7	313.2	309.4
653.2	10°	627.8	597.1	524.7	441.7	366.9	313.2	279.2	262.8	256.2	251.3
664.8	12.5°	630.5	590.2	488.6	382.2	302.8	260.9	235.1	221.4	215.6	212.1
678.2	15°	635.2	581.2	449.4	326.9	259.5	225.2	200.9	190.7	189.1	189.6
693.0	17.5°	639.8	572.4	405.5	283.6	227.7	194.0	179.2	177.6	179.8	181.9
710.0	20°	645.0	559.8	361.1	251.0	198.4	172.4	168.5	169.6	170.7	174.5
733.3	22.5°	652.7	543.9	322.2	223.3	174.0	161.9	160.0	160.8	161.7	165.5
763.9	25°	663.7	526.9	290.7	197.8	158.7	153.4	151.5	151.5	152.6	156.2
799.6	27.5°	675.2	502.8	265.2	174.3	149.6	144.1	140.8	140.8	142.2	146.3
844.2	30°	688.0	480.9	245.2	156.7	141.9	134.8	130.4	129.3	131.0	136.2
908.9	32.5°	711.3	466.6	231.0	148.5	135.1	126.3	120.3	117.3	118.9	124.9
999.3	35°	746.7	463.4	221.1	144.4	128.5	118.6	110.2	105.5	106.9	113.2
1110.8	37.5°	788.1	470.2	211.5	138.9	122.2	111.2	100.0	94.0	96.2	101.9
1238.3	40°	847.5	498.7	204.1	134.8	115.9	102.5	89.9	83.8	87.4	92.3
1370.9	42.5°	919.3	549.4	202.2	131.0	108.2	93.2	80.6	76.2	78.9	83.6
1504.9	45°	1008.4	614.1	211.0	126.0	99.7	84.1	73.2	70.7	71.5	76.2
1631.5	47.5°	1104.0	680.4	235.1	121.7	92.3	76.7	67.4	65.2	64.7	69.1
1747.1	50°	1200.7	739.3	263.6	118.4	87.1	70.7	63.0	60.3	58.9	61.7
1861.4	52.5°	1296.3	786.1	282.2	112.9	81.9	64.7	59.2	55.1	52.6	54.0
1975.1	55°	1393.3	827.2	283.3	104.7	77.0	60.8	55.4	50.7	47.7	47.7
2084.7	57.5°	1484.0	863.4	267.2	93.7	70.1	57.3	50.1	46.3	43.0	41.9
2182.0	60°	1564.3	890.3	240.3	81.4	64.1	52.6	44.9	41.9	37.8	35.6
2268.5	62.5°	1635.8	903.4	203.6	68.8	56.7	47.1	40.0	36.7	31.2	28.5
2356.5	65°	1696.4	890.0	165.2	57.0	50.4	41.1	34.3	31.0	24.9	21.6
2455.4	67.5°	1756.4	828.6	124.9	48.0	43.8	34.5	28.2	25.2	20.8	18.1
2527.5	70°	1764.1	699.6	87.4	40.3	36.4	26.6	22.7	20.8	17.0	14.5
2366.6	72.5°	1570.4	503.4	53.2	32.9	28.5	18.9	18.1	16.4	12.6	11.0
1933.7	75°	1255.2	308.5	31.2	24.7	18.9	13.4	13.4	11.8	8.5	7.1
1335.0	77.5°	867.5	161.4	18.4	15.9	11.2	7.9	8.8	7.1	4.1	3.3
528.8	80°	347.4	61.4	9.9	7.4	5.2	3.6	3.0	1.6	0.8	0.5
108.5	82.5°	69.3	16.2	3.3	1.9	1.9	0.8	0.0	0.0	0.0	0.0
29.9	85°	17.8	3.6	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0
9.9	87.5°	5.5	0.0	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>
620.6
537.6
419.2
313.2
254.3
214.0
190.4
182.8
175.6
166.6
157.6
148.0
137.6
126.6
115.1
103.6
93.2
84.4
78.4
71.8
62.7
55.1
48.2
42.2
35.1
28.2
21.6
18.1
14.2
10.7
7.1
3.3
0.8
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