

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: P945446

Luminaire Tested: **GALN-SB1B-927-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945446
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-SB1B-927-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA 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: 2761 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

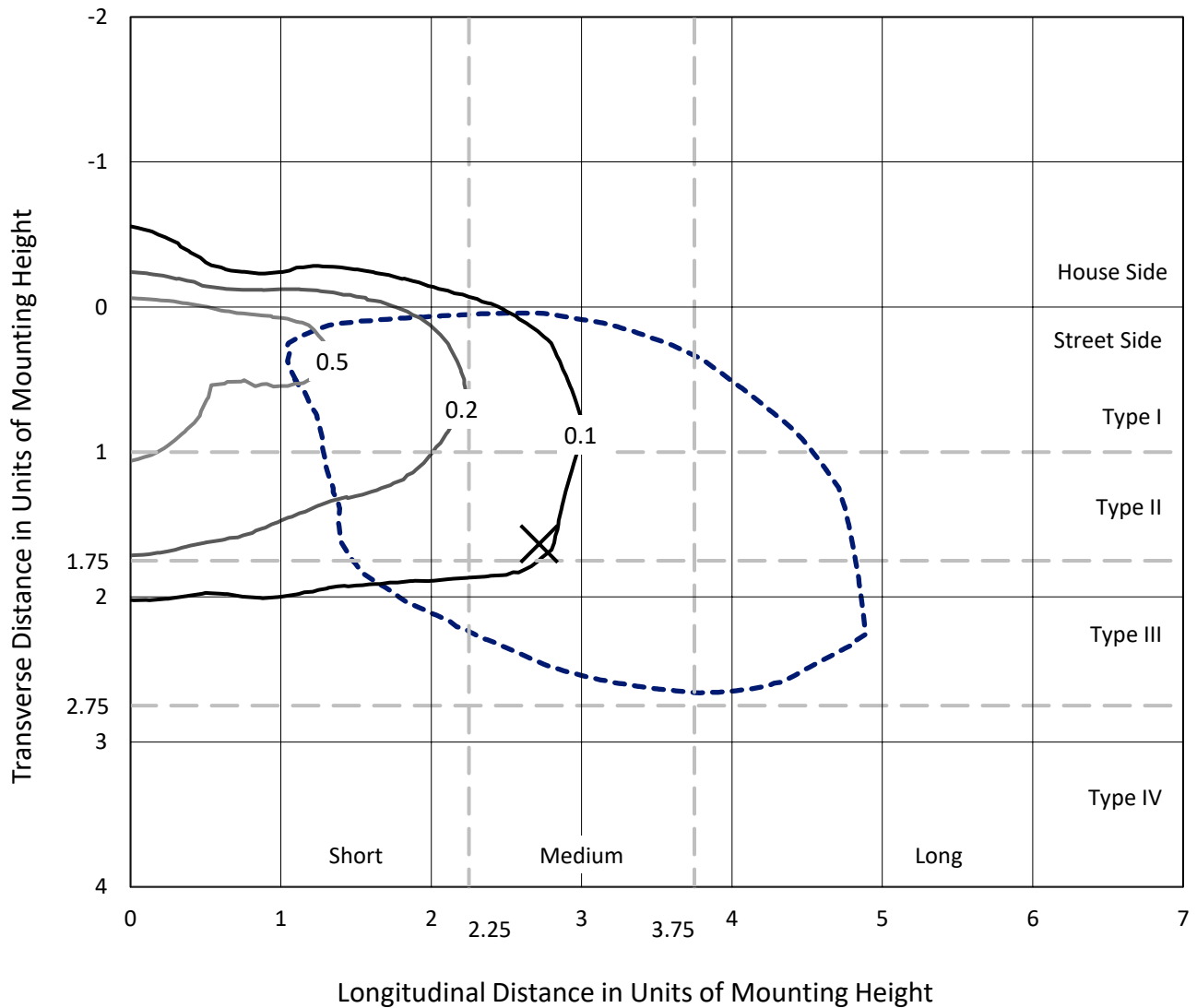
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

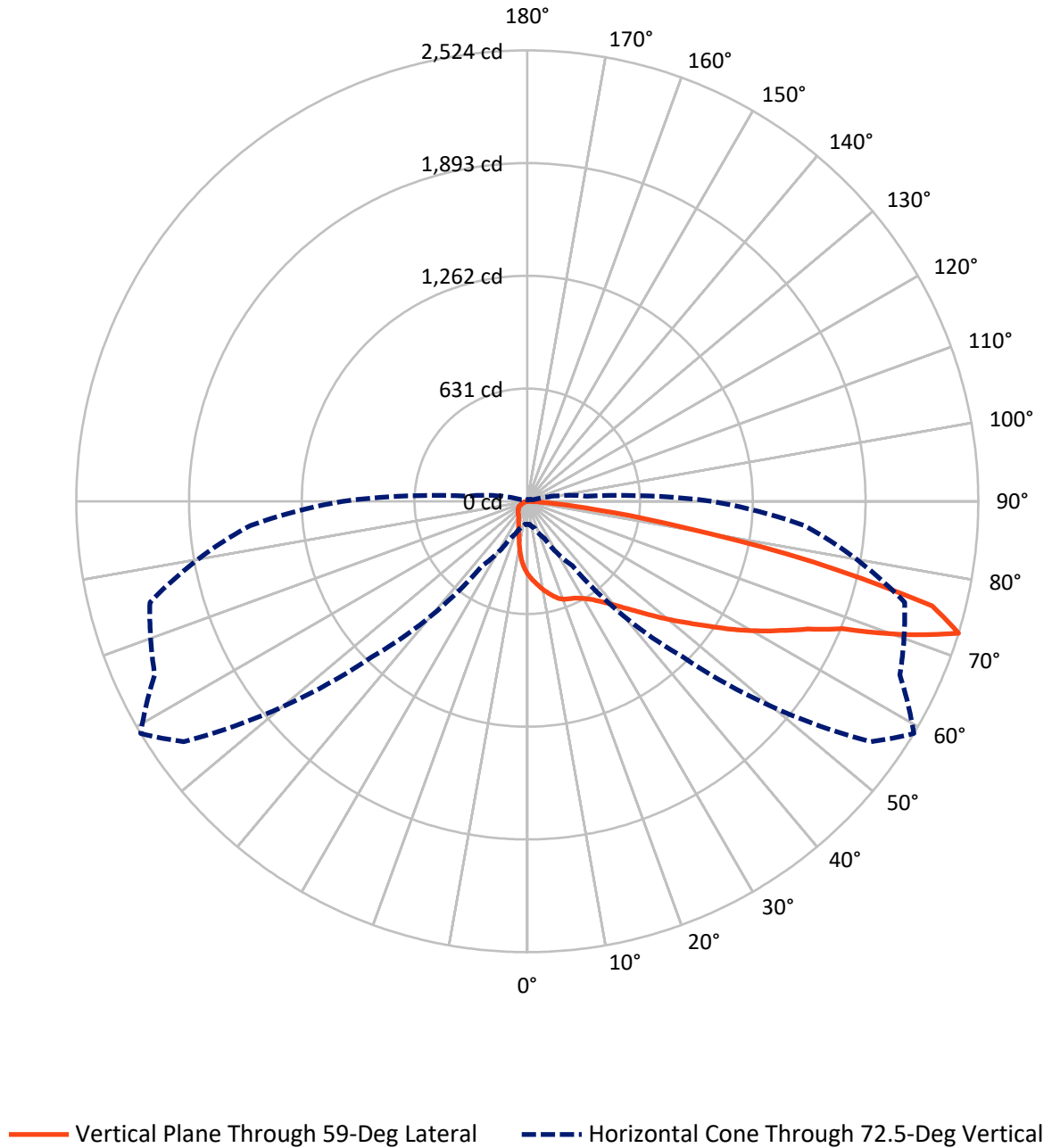
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	291.6	0.0	291.6
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	2469.4	0.0	2469.4
	% Fixture	89.4	0.0	89.4
Total	Lumens	2761.0	0.0	2761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.3
10°-20°	98.1	3.6
20°-30°	155.5	5.6
30°-40°	249.6	9.0
40°-50°	398.6	14.4
50°-60°	577.1	20.9
60°-70°	684.8	24.8
70°-80°	508.4	18.4
80°-90°	52.0	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°	2761.0	100.0
0°-180°	2761.0	100.0

Coefficient of Utilization



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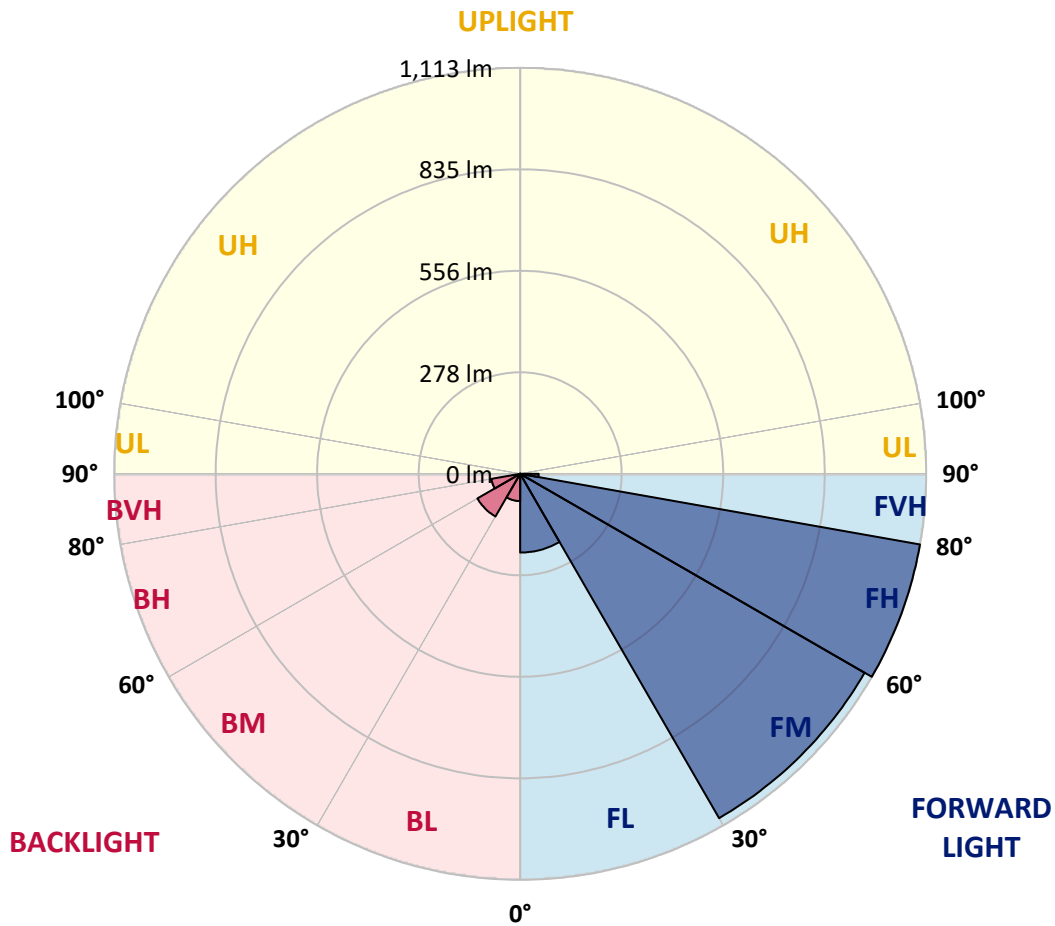
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.8	7.8			
FM (30°-60°)	1090.0	39.5			
FH (60°-80°)	1112.8	40.3			G1/1800
FVH (80°-90°)	50.7	1.8			G1/100
BL (0°-30°)	74.7	2.7	B0/110		
BM (30°-60°)	135.2	4.9	B0/220		
BH (60°-80°)	80.4	2.9	B0/110		G0/110
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3
2.5°	453.0	450.5	450.8	446.5	443.4	440.2	433.9	433.0	428.5	420.5
5°	492.5	490.8	489.4	484.5	478.2	470.3	459.7	455.9	447.6	433.9
7.5°	521.3	519.3	520.0	515.2	510.1	501.3	486.7	479.7	468.7	447.8
10°	526.9	525.8	530.5	532.3	532.3	526.7	512.5	505.4	489.4	462.7
12.5°	495.5	495.7	507.4	521.5	539.9	545.1	535.5	528.0	512.1	478.6
15°	458.9	459.1	470.5	488.5	518.6	548.7	556.3	551.4	535.0	495.7
17.5°	436.9	436.0	443.6	458.4	489.9	532.3	568.9	572.1	558.8	514.6
20°	433.9	432.3	436.2	443.6	466.1	511.8	570.3	585.7	583.3	536.1
22.5°	452.6	450.1	447.9	448.3	457.9	494.6	566.7	593.2	608.6	561.9
25°	489.8	485.8	478.8	469.8	467.8	491.0	564.2	601.5	632.0	594.9
27.5°	535.2	529.6	516.1	502.6	491.0	501.1	569.4	614.7	658.5	633.2
30°	585.1	578.3	564.8	539.2	520.8	523.7	581.9	632.0	692.4	676.7
32.5°	658.5	642.6	619.0	579.9	555.6	548.0	600.6	654.0	734.4	734.6
35°	721.4	712.6	688.8	640.1	590.2	580.3	625.3	685.0	792.6	811.2
37.5°	762.7	750.6	729.7	693.1	643.9	613.4	658.3	723.0	854.2	898.4
40°	808.8	796.9	769.2	734.7	706.3	670.4	699.9	766.8	921.8	988.0
42.5°	864.5	849.0	816.2	779.1	749.3	745.4	754.4	821.4	991.2	1085.3
45°	930.0	915.4	877.7	830.8	804.7	797.6	822.9	885.1	1068.6	1192.1
47.5°	991.2	974.3	933.7	891.0	862.0	839.8	895.7	960.2	1156.2	1303.6
50°	1043.3	1026.0	988.9	943.3	923.6	894.6	967.3	1044.1	1243.1	1417.0
52.5°	1079.0	1063.7	1020.1	989.1	975.7	961.1	1051.1	1132.9	1329.6	1520.8
55°	1070.9	1057.2	1018.8	1016.7	1015.8	1031.1	1151.3	1233.7	1417.7	1619.1
57.5°	1045.1	1029.6	981.7	1014.7	1046.6	1093.4	1259.8	1352.8	1514.4	1711.7
60°	969.3	963.8	934.6	1010.9	1059.6	1154.6	1383.8	1472.5	1618.9	1793.2
62.5°	808.6	813.3	813.1	1018.8	1083.0	1224.1	1496.5	1593.7	1721.1	1871.6
65°	605.5	621.7	642.4	947.4	1114.4	1348.3	1631.2	1725.1	1824.9	1962.8
67.5°	406.8	419.8	433.9	777.3	1021.0	1478.8	1854.9	1905.2	1949.3	2064.0
70°	232.9	237.0	256.7	485.4	787.0	1442.8	2219.2	2237.4	2134.8	2188.5
72.5°	130.5	129.1	155.0	230.4	439.8	1235.5	2346.8	2524.3	2300.8	2186.5
75°	87.2	87.4	106.7	145.3	171.4	864.9	2022.3	2340.7	2201.3	1938.9
77.5°	59.5	61.5	78.4	112.3	79.3	422.0	1337.9	1639.6	1782.2	1497.2
80°	25.8	26.0	51.7	80.6	53.5	134.3	693.6	878.4	1117.8	840.7
82.5°	13.3	15.1	33.0	52.1	33.7	47.0	327.7	383.8	469.0	246.8
85°	4.7	5.6	20.4	25.6	16.9	16.8	114.1	116.3	99.3	37.1
87.5°	0.0	0.9	7.9	6.3	2.2	2.0	13.5	11.4	9.0	5.2
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°
408.3	0°	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3
412.4	2.5°	408.6	403.8	395.8	386.1	374.8	368.6	359.8	354.4	349.5	349.7
418.0	5°	409.2	401.1	380.9	359.4	335.6	318.2	298.7	285.0	274.5	272.0
423.8	7.5°	410.8	397.1	364.1	328.4	288.8	259.4	232.5	215.6	206.0	203.5
429.7	10°	413.0	392.8	345.2	290.6	241.4	206.0	183.7	172.9	168.5	165.3
437.3	12.5°	414.8	388.3	321.4	251.5	199.2	171.6	154.7	145.6	141.9	139.5
446.1	15°	417.8	382.3	295.6	215.0	170.7	148.2	132.1	125.5	124.4	124.7
455.9	17.5°	420.9	376.6	266.8	186.6	149.8	127.6	117.9	116.8	118.2	119.7
467.1	20°	424.3	368.3	237.6	165.1	130.5	113.4	110.9	111.6	112.3	114.8
482.4	22.5°	429.4	357.8	212.0	146.9	114.5	106.5	105.3	105.8	106.4	108.9
502.6	25°	436.6	346.6	191.3	130.1	104.4	100.9	99.7	99.7	100.4	102.7
526.0	27.5°	444.2	330.8	174.5	114.6	98.4	94.8	92.7	92.7	93.6	96.3
555.4	30°	452.6	316.4	161.3	103.1	93.4	88.7	85.8	85.1	86.2	89.6
597.9	32.5°	468.0	307.0	152.0	97.7	88.9	83.1	79.1	77.2	78.2	82.2
657.4	35°	491.2	304.8	145.5	95.0	84.5	78.1	72.5	69.4	70.3	74.4
730.8	37.5°	518.4	309.3	139.2	91.4	80.4	73.2	65.8	61.8	63.3	67.1
814.6	40°	557.5	328.1	134.3	88.7	76.2	67.4	59.1	55.2	57.5	60.7
901.8	42.5°	604.8	361.4	133.0	86.2	71.2	61.3	53.0	50.1	51.9	55.0
990.0	45°	663.4	404.0	138.8	82.9	65.6	55.3	48.1	46.5	47.0	50.1
1073.3	47.5°	726.3	447.6	154.7	80.0	60.7	50.5	44.3	42.9	42.5	45.4
1149.3	50°	789.9	486.3	173.4	77.9	57.3	46.5	41.5	39.7	38.8	40.6
1224.5	52.5°	852.8	517.2	185.7	74.3	53.9	42.5	38.9	36.2	34.6	35.5
1299.3	55°	916.6	544.2	186.4	68.9	50.7	40.0	36.4	33.3	31.4	31.4
1371.4	57.5°	976.3	568.0	175.8	61.6	46.1	37.7	33.0	30.5	28.3	27.6
1435.4	60°	1029.1	585.7	158.1	53.5	42.2	34.6	29.6	27.6	24.9	23.4
1492.4	62.5°	1076.1	594.3	133.9	45.2	37.3	31.0	26.3	24.2	20.5	18.7
1550.2	65°	1116.0	585.5	108.7	37.5	33.2	27.0	22.5	20.4	16.4	14.2
1615.3	67.5°	1155.5	545.1	82.2	31.5	28.8	22.7	18.6	16.6	13.7	11.9
1662.7	70°	1160.5	460.2	57.5	26.5	24.0	17.5	15.0	13.7	11.2	9.6
1556.9	72.5°	1033.1	331.1	35.0	21.6	18.7	12.4	11.9	10.8	8.3	7.2
1272.1	75°	825.8	203.0	20.5	16.2	12.4	8.8	8.8	7.8	5.6	4.7
878.2	77.5°	570.7	106.2	12.1	10.5	7.4	5.2	5.8	4.7	2.7	2.2
347.9	80°	228.6	40.4	6.5	4.9	3.4	2.3	2.0	1.1	0.5	0.4
71.4	82.5°	45.6	10.6	2.2	1.3	1.3	0.5	0.0	0.0	0.0	0.0
19.6	85°	11.7	2.3	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0
6.5	87.5°	3.6	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>
408.3
353.7
275.8
206.0
167.3
140.8
125.3
120.2
115.5
109.6
103.6
97.3
90.5
83.3
75.7
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61.3
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