

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: P938767

Luminaire Tested: **GALN-SB1A-750-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-750-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4751 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

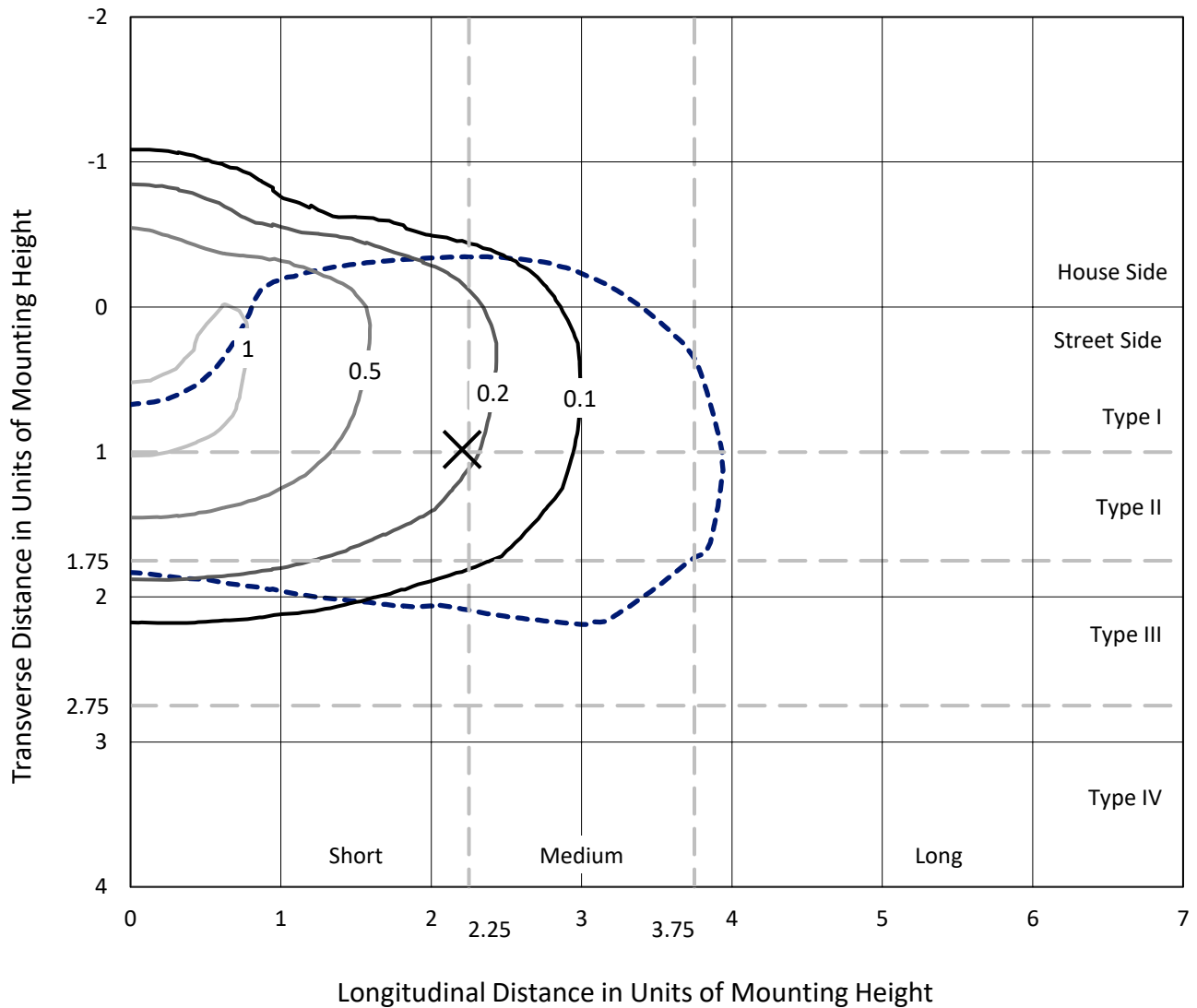
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

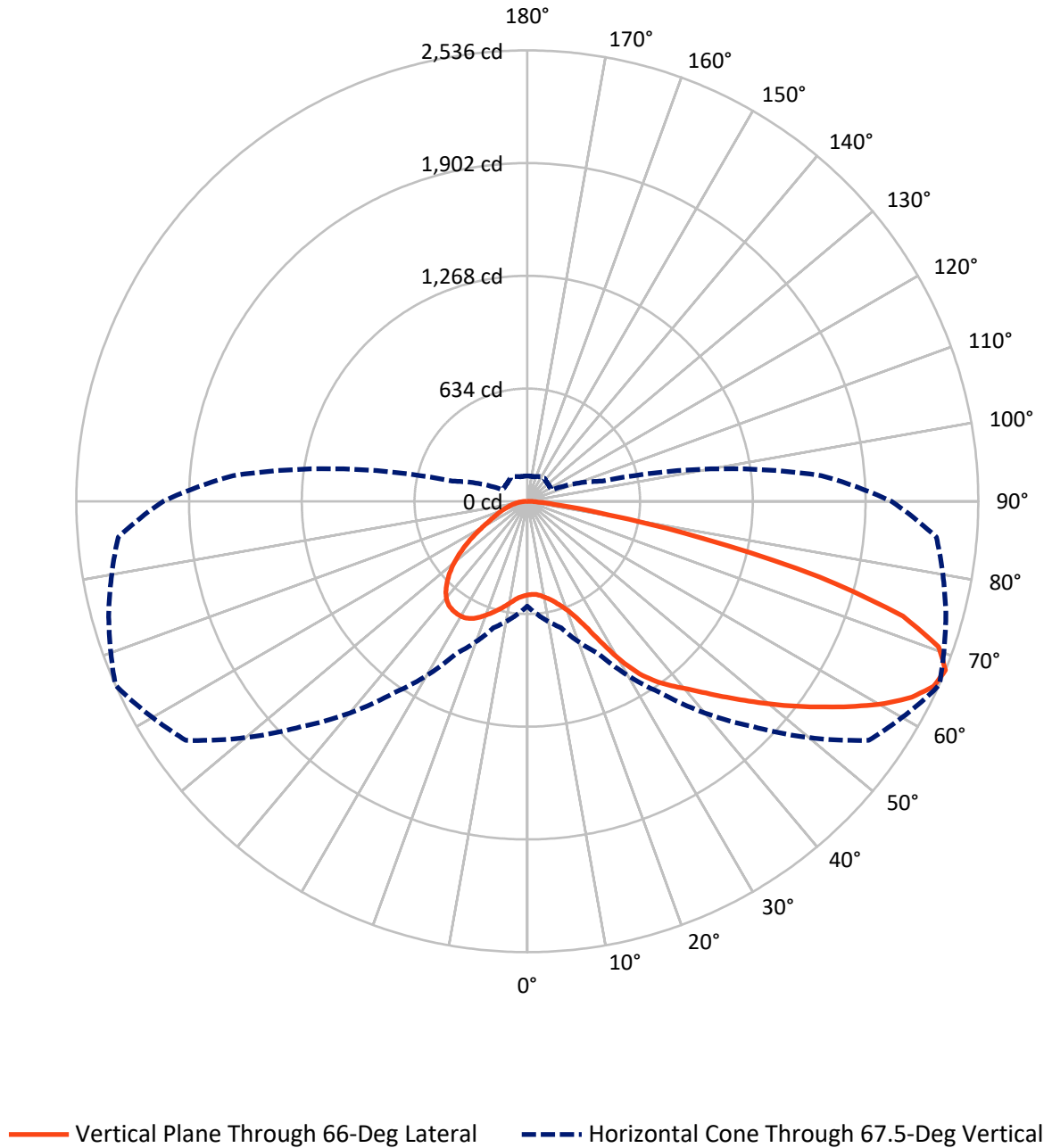
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.3	0.0	1181.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3569.7	0.0	3569.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	4751.0	0.0	4751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	1.1
10°-20°	172.6	3.6
20°-30°	332.7	7.0
30°-40°	583.3	12.3
40°-50°	867.2	18.3
50°-60°	1099.3	23.1
60°-70°	1075.6	22.6
70°-80°	513.1	10.8
80°-90°	54.8	1.2
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°	4751.0	100.0
0°-180°	4751.0	100.0

Coefficient of Utilization



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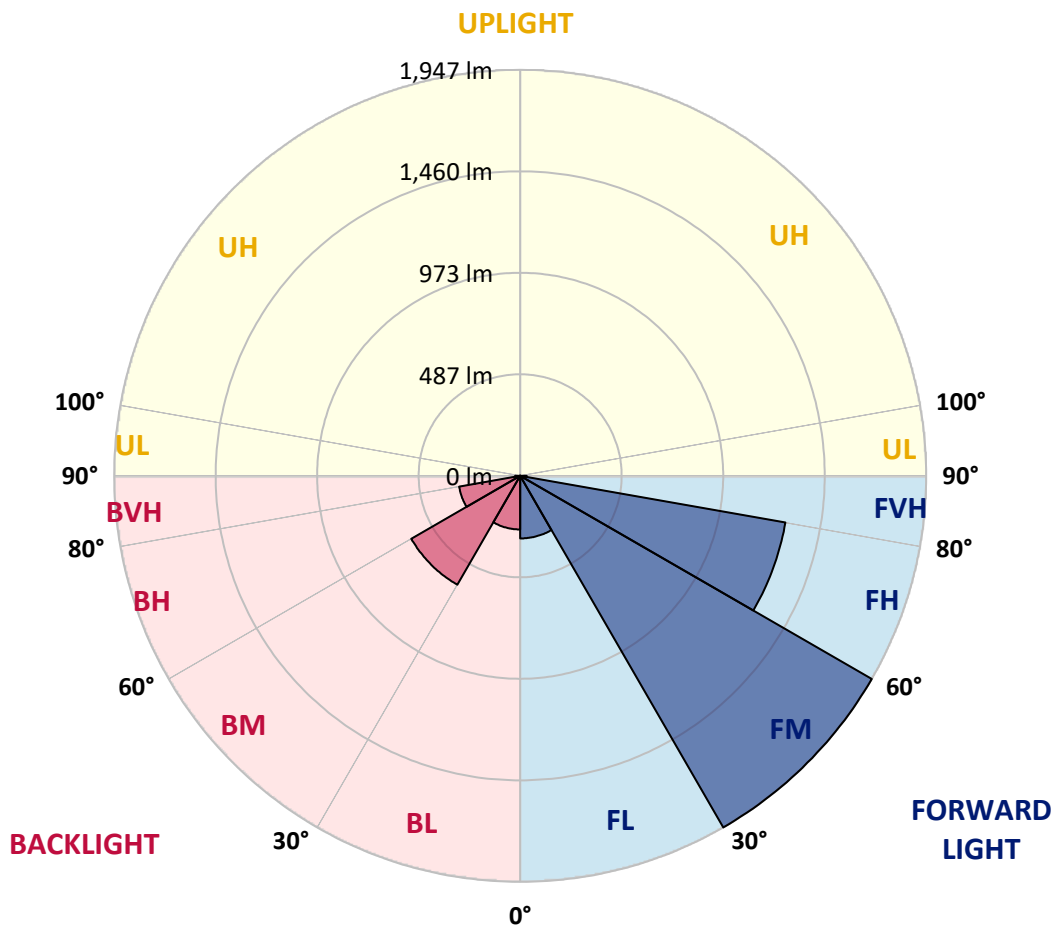
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.2	6.3			
FM (30°-60°)	1946.9	41.0			
FH (60°-80°)	1291.5	27.2			G1/1800
FVH (80°-90°)	31.1	0.7			G1/100
BL (0°-30°)	257.3	5.4	B1/500		
BM (30°-60°)	603.0	12.7	B1/1000		
BH (60°-80°)	297.3	6.3	B1/500		G1/500
BVH (80°-90°)	23.7	0.5			G1/100
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	521.5	524.5	523.7	522.5	522.2	522.7	523.5	524.2	524.0	525.2
5°	520.0	523.0	522.7	522.7	523.7	525.7	526.9	528.2	526.9	528.4
7.5°	521.0	523.2	524.2	525.2	527.7	531.4	534.4	537.2	535.7	537.4
10°	533.7	535.4	536.4	536.4	538.2	542.4	545.4	550.4	549.2	551.9
12.5°	556.9	558.7	558.7	557.7	558.9	561.6	562.6	568.1	565.9	570.4
15°	585.4	588.9	586.1	584.4	584.9	587.6	587.4	591.6	589.4	593.1
17.5°	616.8	621.3	616.8	616.6	615.6	618.6	618.8	622.6	618.6	621.3
20°	654.0	660.2	656.5	657.7	655.5	656.8	658.0	663.5	657.3	659.2
22.5°	706.4	713.9	709.9	714.7	713.2	712.2	711.9	721.7	711.9	712.7
25°	782.8	791.8	784.8	791.3	791.3	794.5	798.3	810.8	794.5	789.8
27.5°	895.6	904.6	890.9	894.9	893.6	901.6	897.6	928.6	911.1	903.4
30°	1031.4	1047.4	1021.4	1020.4	1019.2	1031.9	1037.7	1058.1	1040.4	1032.7
32.5°	1178.2	1194.9	1164.0	1155.0	1150.3	1158.0	1153.2	1169.7	1157.5	1145.5
35°	1333.5	1349.9	1320.5	1303.0	1284.0	1267.8	1250.8	1255.1	1243.6	1225.4
37.5°	1480.2	1510.5	1479.3	1460.5	1425.6	1393.9	1346.5	1326.7	1316.0	1299.3
40°	1629.8	1647.0	1623.3	1607.3	1569.4	1519.7	1443.8	1402.1	1387.6	1371.4
42.5°	1739.9	1756.3	1743.6	1732.6	1702.9	1645.2	1547.1	1495.0	1474.0	1455.8
45°	1827.2	1839.5	1831.5	1835.5	1822.7	1766.8	1654.2	1594.6	1572.9	1550.6
47.5°	1862.4	1875.4	1888.1	1911.8	1933.6	1892.4	1769.3	1702.4	1679.4	1656.7
50°	1858.4	1871.7	1908.6	1959.0	2026.4	2012.7	1890.6	1817.2	1796.0	1770.1
52.5°	1826.5	1841.4	1888.9	1972.8	2080.1	2102.8	2014.2	1935.8	1915.8	1884.9
55°	1742.6	1751.6	1822.7	1941.5	2092.8	2165.7	2135.3	2062.1	2042.1	1999.0
57.5°	1587.1	1600.1	1703.7	1857.4	2060.9	2208.4	2241.6	2194.9	2175.7	2113.5
60°	1384.1	1404.9	1523.4	1716.1	1979.5	2208.1	2338.2	2325.5	2309.5	2226.4
62.5°	1154.5	1178.5	1292.5	1516.4	1837.2	2145.5	2398.6	2434.8	2426.6	2330.5
65°	886.7	903.1	1016.7	1258.1	1615.8	2010.9	2405.6	2509.4	2510.9	2409.6
67.5°	590.4	637.8	736.4	944.1	1319.2	1791.0	2344.2	2521.7	2536.1	2436.8
70°	288.1	350.5	447.1	613.6	944.1	1453.8	2183.7	2421.3	2453.5	2357.4
72.5°	119.6	139.8	192.5	302.8	541.9	981.0	1861.2	2149.2	2208.9	2088.8
75°	80.6	87.4	110.1	155.3	246.9	483.8	1342.2	1602.6	1698.7	1577.6
77.5°	62.2	66.4	80.1	108.6	146.8	183.0	718.4	965.8	1015.5	940.1
80°	48.9	52.2	59.9	79.1	104.1	97.9	244.9	437.6	466.3	391.2
82.5°	42.4	43.7	42.9	53.7	69.1	57.2	80.4	161.5	178.2	129.3
85°	30.7	34.2	35.7	33.2	36.7	29.0	32.9	57.2	62.9	56.2
87.5°	12.5	18.5	22.7	21.5	13.5	8.2	10.2	16.7	19.2	21.0
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°
526.9	0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
527.2	2.5°	527.4	529.2	530.4	531.9	532.9	534.4	537.4	539.2	539.4	540.7
531.2	5°	532.2	534.7	537.4	541.4	545.9	549.7	555.4	559.4	560.9	562.1
540.9	7.5°	542.4	545.9	550.9	557.9	564.4	569.4	576.4	581.1	585.9	587.6
556.4	10°	557.7	562.6	569.9	579.4	586.4	592.8	600.1	604.1	608.8	610.8
574.9	12.5°	576.6	581.9	591.4	604.6	611.1	615.6	618.1	617.1	618.1	619.8
597.1	15°	598.3	604.1	614.8	629.0	633.5	629.5	624.1	619.1	618.3	618.8
624.1	17.5°	624.1	628.3	640.8	652.8	649.5	633.0	621.1	613.1	609.1	607.8
658.5	20°	660.0	660.0	670.2	677.7	656.0	628.0	609.3	596.3	588.1	584.6
705.4	22.5°	703.7	699.7	706.2	700.9	654.8	614.1	588.1	565.6	553.2	548.2
771.1	25°	759.1	754.4	752.6	720.2	645.8	591.8	549.7	522.5	511.5	508.7
865.7	27.5°	842.7	830.7	808.0	730.6	629.3	556.9	504.7	479.5	473.3	473.5
987.2	30°	954.0	930.1	874.4	732.4	602.3	507.5	458.8	440.8	437.8	439.1
1089.3	32.5°	1057.1	1034.4	942.3	724.4	560.9	459.1	417.6	405.6	401.1	402.6
1167.2	35°	1138.0	1131.8	1005.2	713.2	510.0	413.6	380.7	370.4	361.7	359.7
1240.6	37.5°	1214.4	1211.9	1052.4	697.4	459.6	381.4	351.0	337.5	324.8	317.8
1321.7	40°	1298.3	1295.8	1083.4	673.2	414.9	353.5	324.3	306.5	290.8	278.1
1413.6	42.5°	1392.6	1377.9	1098.1	638.5	376.9	329.7	302.5	278.6	257.9	246.1
1517.4	45°	1495.7	1462.5	1097.8	594.3	345.0	308.0	279.3	245.4	226.2	215.2
1624.0	47.5°	1605.1	1543.4	1084.4	545.4	314.0	284.1	243.4	217.4	204.7	197.9
1739.9	50°	1717.9	1619.0	1061.4	489.3	282.3	256.9	220.9	203.2	193.5	187.2
1854.7	52.5°	1824.0	1687.7	1033.7	425.6	250.1	230.4	210.9	197.2	187.0	180.0
1966.0	55°	1922.6	1746.8	994.5	360.5	223.9	212.7	206.2	194.7	183.0	174.7
2079.1	57.5°	2010.2	1785.3	926.8	299.3	205.2	200.4	201.2	190.5	177.0	170.0
2190.4	60°	2083.1	1813.5	826.7	242.6	190.0	188.5	193.5	182.5	166.7	158.8
2284.5	62.5°	2126.8	1813.0	703.9	198.7	177.0	177.5	183.2	172.5	156.5	149.0
2333.7	65°	2123.0	1768.6	569.1	170.0	164.5	165.0	172.5	161.5	148.0	143.5
2309.0	67.5°	2047.9	1660.2	436.6	151.3	150.8	153.0	161.8	154.0	142.8	142.3
2161.7	70°	1844.4	1435.3	314.5	136.3	136.5	139.8	151.3	149.3	140.0	141.0
1817.5	72.5°	1479.0	1094.3	211.2	120.6	120.8	126.1	141.3	145.5	137.3	150.5
1289.5	75°	985.0	682.5	135.8	103.8	104.1	110.8	132.5	138.3	129.8	150.0
671.0	77.5°	473.3	306.8	98.4	87.4	87.4	93.6	114.6	123.8	110.6	116.6
215.7	80°	163.5	115.3	77.4	70.4	68.9	73.1	96.6	107.3	95.4	87.9
70.4	82.5°	64.4	59.9	62.2	54.7	49.7	52.4	75.1	88.6	70.1	63.4
39.7	85°	36.9	38.9	43.9	36.2	28.7	32.2	55.2	63.7	52.9	46.7
13.0	87.5°	10.0	13.7	20.2	18.7	13.0	13.7	26.2	35.2	30.5	23.5
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>
526.9
540.4
561.9
587.9
611.8
620.3
620.6
609.6
583.9
547.4
509.2
474.3
443.3
404.6
361.2
318.0
279.3
246.9
214.7
196.5
185.0
177.0
171.5
165.5
155.3
146.8
143.3
143.0
140.8
152.5
151.3
106.8
82.4
63.2
47.7
24.2
0.0

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