

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: P947993

Luminaire Tested: **GALN-SB3A-935-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-935-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7927 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

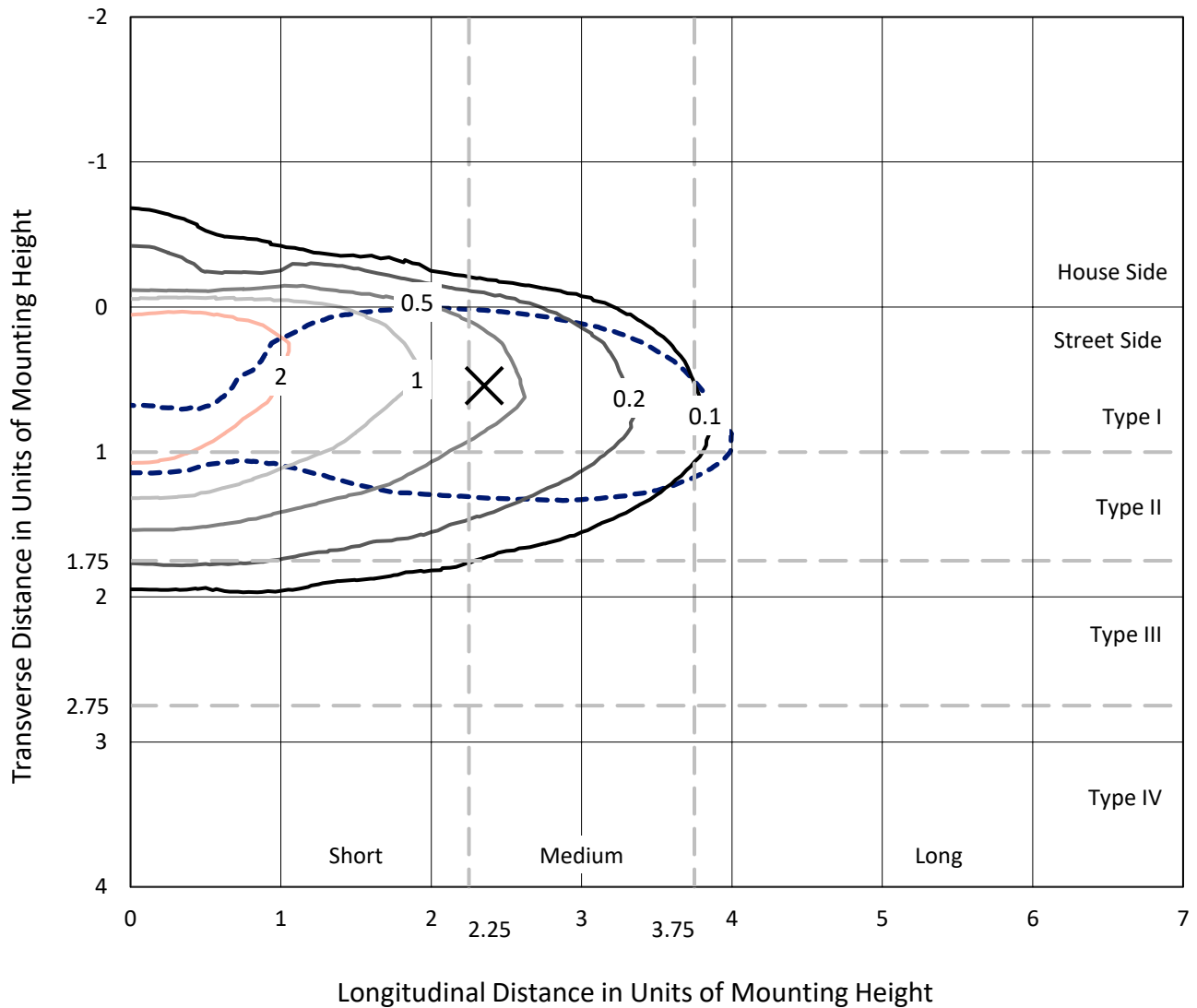
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

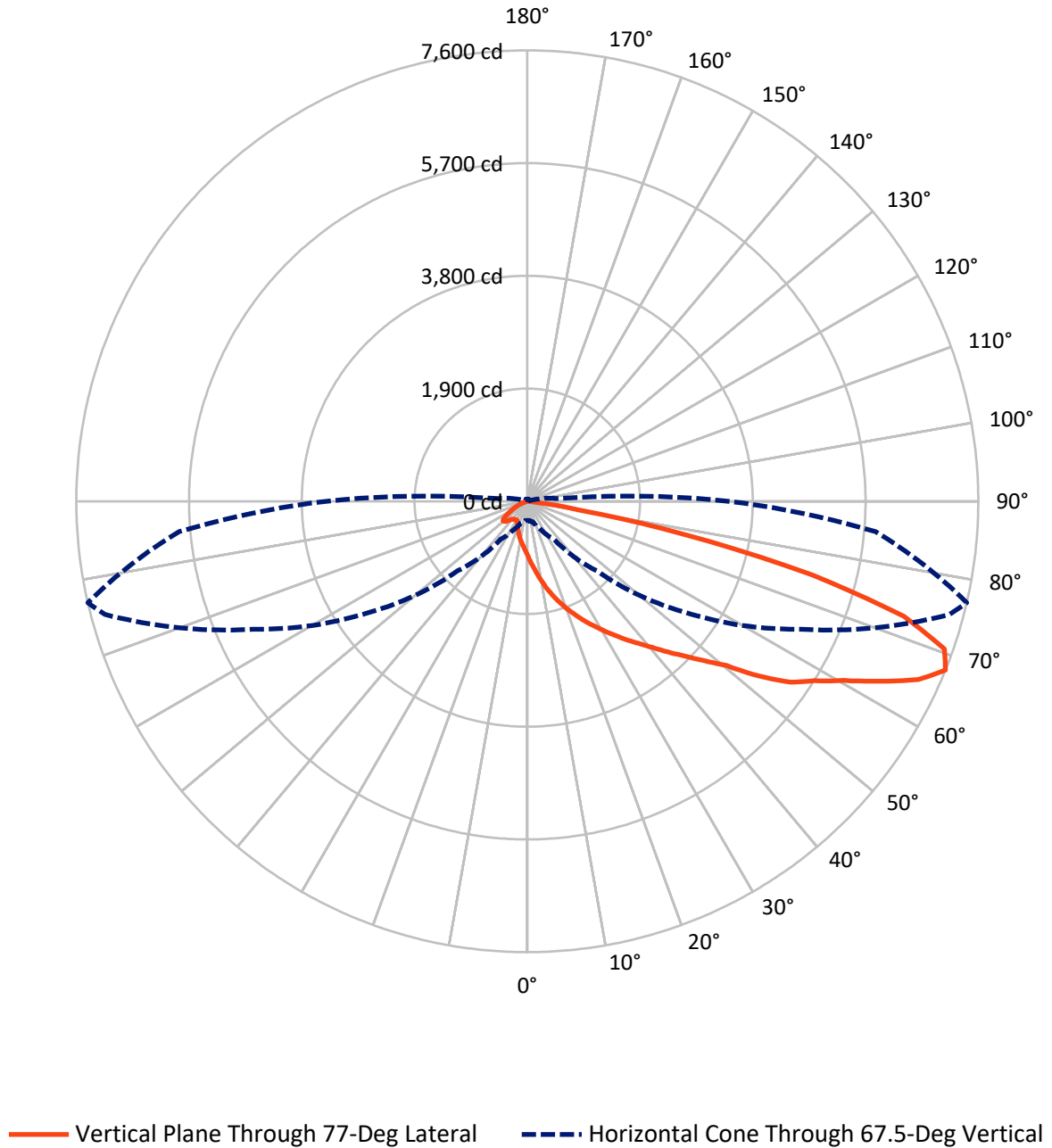
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	583.2	0.0	583.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	7343.8	0.0	7343.8
	% Fixture	92.6	0.0	92.6
Total	Lumens	7927.0	0.0	7927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	1.2
10°-20°	326.7	4.1
20°-30°	630.5	8.0
30°-40°	1094.6	13.8
40°-50°	1589.2	20.0
50°-60°	1825.0	23.0
60°-70°	1584.5	20.0
70°-80°	746.3	9.4
80°-90°	36.9	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°	7927.0	100.0
0°-180°	7927.0	100.0

Coefficient of Utilization



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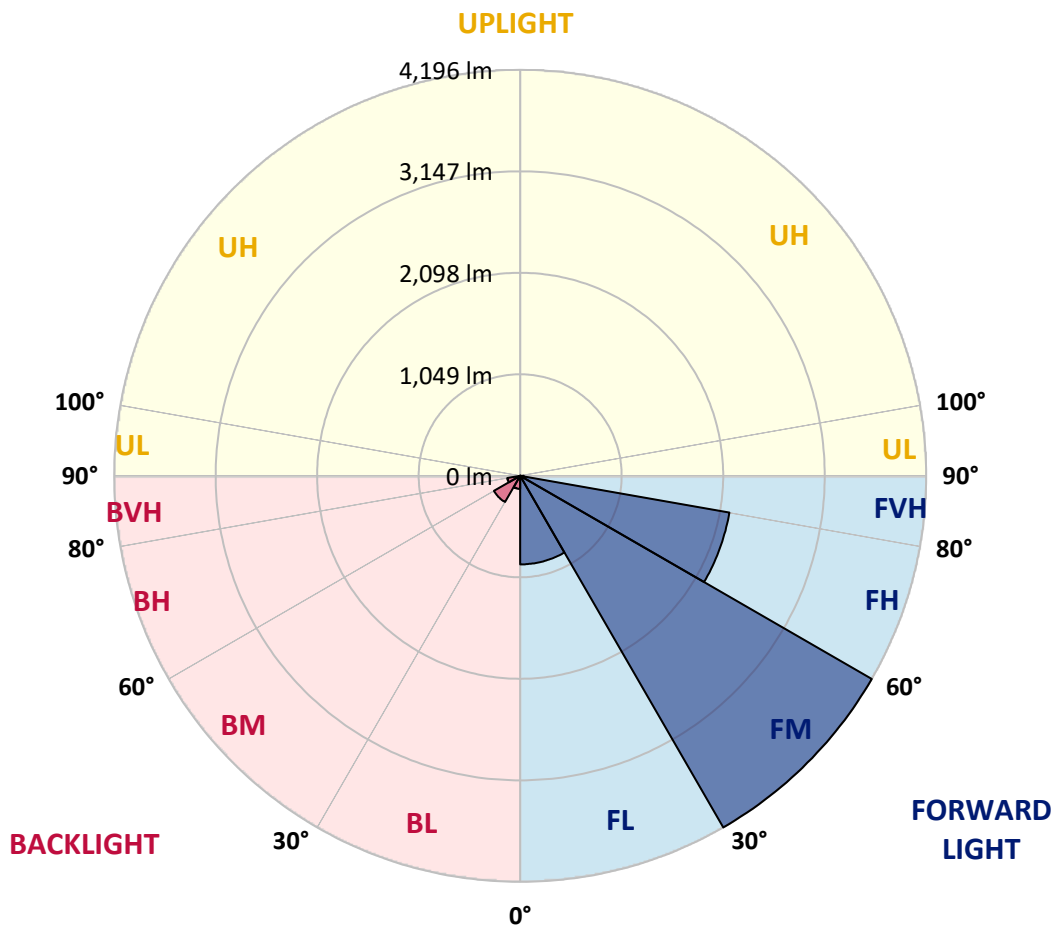
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	915.5	11.5			
FM (30°-60°)	4196.3	52.9			
FH (60°-80°)	2195.8	27.7			G2/5000
FVH (80°-90°)	36.2	0.5			G1/100
BL (0°-30°)	135.0	1.7	B1/500		
BM (30°-60°)	312.5	3.9	B1/1000		
BH (60°-80°)	135.0	1.7	B1/500		G1/500
BVH (80°-90°)	0.7	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1
2.5°	1265.6	1273.4	1262.1	1240.5	1208.0	1186.8	1135.1	1086.4	1032.2	1015.0
5°	1542.7	1549.6	1536.8	1513.2	1469.8	1428.5	1360.6	1258.7	1152.8	1118.9
7.5°	1748.0	1751.9	1747.0	1725.3	1684.0	1637.2	1561.4	1440.8	1283.8	1246.4
10°	1895.6	1908.4	1907.0	1898.6	1871.0	1833.1	1752.4	1615.1	1430.5	1382.2
12.5°	1993.6	2007.9	2016.2	2034.9	2033.5	2009.3	1938.5	1793.2	1576.7	1520.1
15°	2022.1	2037.4	2069.4	2112.7	2151.1	2163.4	2113.7	1968.0	1737.6	1665.3
17.5°	2005.9	2029.5	2067.9	2136.3	2220.5	2276.1	2270.7	2136.8	1883.8	1801.1
20°	2041.8	2064.5	2094.5	2152.1	2250.1	2351.0	2391.3	2298.3	2029.0	1942.4
22.5°	2240.7	2236.8	2239.7	2249.1	2307.6	2407.6	2490.8	2445.0	2172.8	2084.2
25°	2555.7	2538.0	2508.0	2457.3	2442.5	2490.8	2577.4	2574.9	2324.4	2229.4
27.5°	2917.0	2914.1	2843.7	2721.6	2652.7	2634.0	2675.4	2701.4	2474.5	2373.1
30°	3263.1	3271.0	3176.0	3040.1	2913.6	2840.3	2802.8	2821.6	2627.1	2528.2
32.5°	3564.3	3572.7	3469.3	3310.4	3153.8	3065.2	2986.5	2940.2	2793.5	2685.7
35°	3818.8	3827.2	3708.6	3532.8	3366.0	3285.7	3196.6	3070.1	2960.9	2860.4
37.5°	4046.3	4043.8	3884.8	3707.6	3543.7	3480.2	3433.4	3230.1	3133.1	3036.2
40°	4180.6	4191.0	4055.1	3859.7	3700.7	3654.4	3651.5	3428.5	3332.0	3238.0
42.5°	4220.0	4238.2	4139.8	3979.3	3835.1	3784.9	3862.2	3643.1	3563.4	3471.8
45°	4149.1	4166.9	4122.1	4010.8	3926.6	3894.2	4043.3	3865.6	3810.5	3719.9
47.5°	3942.4	3964.5	3975.4	3951.7	3950.8	3983.7	4205.7	4099.9	4103.8	4011.3
50°	3542.2	3579.6	3679.0	3762.7	3892.2	4054.6	4363.8	4353.9	4434.6	4354.9
52.5°	2814.7	2867.8	3210.4	3439.3	3730.2	4041.3	4537.5	4761.5	5015.0	4898.3
55°	2261.9	2261.9	2540.5	2968.7	3414.2	3953.7	4613.3	5026.3	5410.3	5382.7
57.5°	1844.0	1866.1	2043.8	2422.3	2956.9	3745.0	4660.1	5192.7	5728.8	5708.6
60°	1138.1	1185.8	1521.5	1895.1	2436.6	3373.4	4630.6	5361.0	6115.2	6131.4
62.5°	640.9	658.6	808.3	1363.5	1894.7	2873.7	4404.6	5455.1	6609.4	6678.3
65°	442.5	451.4	509.0	848.6	1313.3	2288.0	3963.1	5396.5	7104.6	7243.9
67.5°	321.4	325.9	361.8	518.3	779.2	1658.9	3271.0	5101.1	7366.9	7599.8
70°	247.1	250.1	276.1	340.6	460.2	1023.9	2375.6	4513.9	7176.9	7455.1
72.5°	200.8	203.8	224.0	252.0	305.2	605.5	1439.8	3665.8	6338.2	6638.4
75°	169.3	173.3	191.5	209.7	239.2	388.9	675.4	2552.8	4766.4	4963.3
77.5°	94.0	86.6	155.5	173.8	201.8	246.1	316.0	1502.3	2669.4	2724.1
80°	58.6	60.5	123.6	139.8	155.1	124.0	144.7	578.4	925.4	879.2
82.5°	3.4	7.9	95.0	100.9	106.3	53.2	54.6	196.4	223.0	204.8
85°	0.0	0.0	43.3	34.9	36.9	15.3	15.8	45.8	30.0	32.5
87.5°	0.0	0.0	0.0	1.0	0.0	1.5	3.0	3.9	1.5	2.0
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°
914.1	0°	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1
960.9	2.5°	926.4	891.9	822.0	753.6	698.0	646.3	609.4	574.5	556.7	555.7
1022.9	5°	954.5	882.1	742.3	618.8	519.3	439.6	387.9	351.0	332.3	325.9
1099.2	7.5°	993.8	885.1	672.4	500.6	383.5	315.0	285.5	273.7	269.8	265.3
1185.3	10°	1043.6	891.9	609.9	403.1	302.2	267.8	256.0	251.0	248.1	245.1
1282.3	12.5°	1099.2	898.3	547.9	334.7	265.8	248.1	239.7	233.8	229.9	226.4
1381.7	15°	1153.3	902.3	483.4	287.0	247.1	232.8	224.0	217.6	212.2	208.2
1479.2	17.5°	1207.0	907.7	422.8	258.4	231.8	217.6	208.7	200.8	196.4	192.0
1581.6	20°	1266.5	906.7	365.7	238.2	216.6	202.3	193.0	185.6	181.1	176.2
1689.9	22.5°	1321.7	901.8	315.5	221.0	200.8	187.1	176.7	169.3	164.9	161.0
1800.6	25°	1385.2	897.9	273.7	205.3	186.1	172.3	161.0	154.1	149.2	145.7
1911.9	27.5°	1446.2	891.9	243.2	191.0	171.8	158.5	147.7	139.8	135.4	132.9
2026.6	30°	1506.3	890.5	231.8	177.2	159.0	145.7	134.9	127.5	124.0	123.1
2152.6	32.5°	1578.6	894.4	236.8	172.3	147.2	133.9	123.6	118.1	114.7	114.7
2292.9	35°	1655.9	893.4	244.2	176.7	139.3	122.1	114.2	110.8	107.3	107.3
2448.4	37.5°	1752.9	894.9	250.1	184.1	136.4	112.2	107.8	103.4	101.4	101.4
2618.7	40°	1897.6	943.6	247.1	190.5	135.4	105.3	96.5	95.0	93.5	93.5
2811.2	42.5°	2074.8	1049.5	251.0	191.0	134.9	100.4	88.6	91.6	88.1	87.6
3028.3	45°	2268.8	1165.1	276.1	180.7	134.4	98.0	84.7	88.1	82.7	82.7
3279.8	47.5°	2461.2	1279.8	301.7	165.9	132.9	97.5	81.2	79.3	77.8	78.3
3607.7	50°	2726.5	1373.4	311.6	145.7	129.5	96.5	74.8	75.3	74.3	75.3
4069.9	52.5°	3015.5	1393.1	299.8	123.1	119.6	93.5	70.4	72.4	71.9	72.9
4395.3	55°	3195.7	1371.9	247.6	102.4	104.4	81.7	66.0	69.9	69.9	69.9
4713.2	57.5°	3381.7	1281.8	175.7	83.2	86.6	66.9	62.0	67.4	66.9	66.5
5096.2	60°	3515.6	1136.1	115.7	68.4	68.9	55.1	57.6	63.5	63.0	60.5
5491.0	62.5°	3615.5	975.1	74.3	58.1	52.7	49.7	52.7	57.6	55.6	50.2
5825.7	65°	3604.2	752.2	57.1	49.7	43.3	43.3	45.8	50.2	44.3	35.4
5889.7	67.5°	3394.0	509.0	47.3	41.8	36.4	35.9	37.9	41.8	37.9	30.0
5561.9	70°	3018.4	332.8	37.9	32.5	29.0	26.6	30.5	35.9	32.0	24.1
4734.9	72.5°	2449.9	202.8	28.6	23.6	21.2	17.2	24.1	29.5	25.6	17.7
3292.6	75°	1585.0	103.4	19.7	15.3	11.3	10.3	17.7	22.2	17.7	10.8
1461.0	77.5°	606.4	43.3	10.8	6.9	5.9	4.9	9.8	13.3	7.4	2.5
283.0	80°	116.7	18.2	5.4	3.4	3.0	2.0	1.5	1.0	0.0	0.0
50.2	82.5°	20.2	5.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	85°	6.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.4	87.5°	2.5	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>
914.1
554.8
324.9
264.3
244.2
225.4
207.7
191.5
175.7
160.5
145.2
132.9
122.6
114.7
107.3
101.4
93.5
87.1
82.7
78.3
75.3
72.9
69.9
66.5
60.5
49.2
34.5
29.0
23.1
16.7
9.4
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