

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: P948014

Luminaire Tested: **GALN-SB3A-940-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948014
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-940-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 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: 8258 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

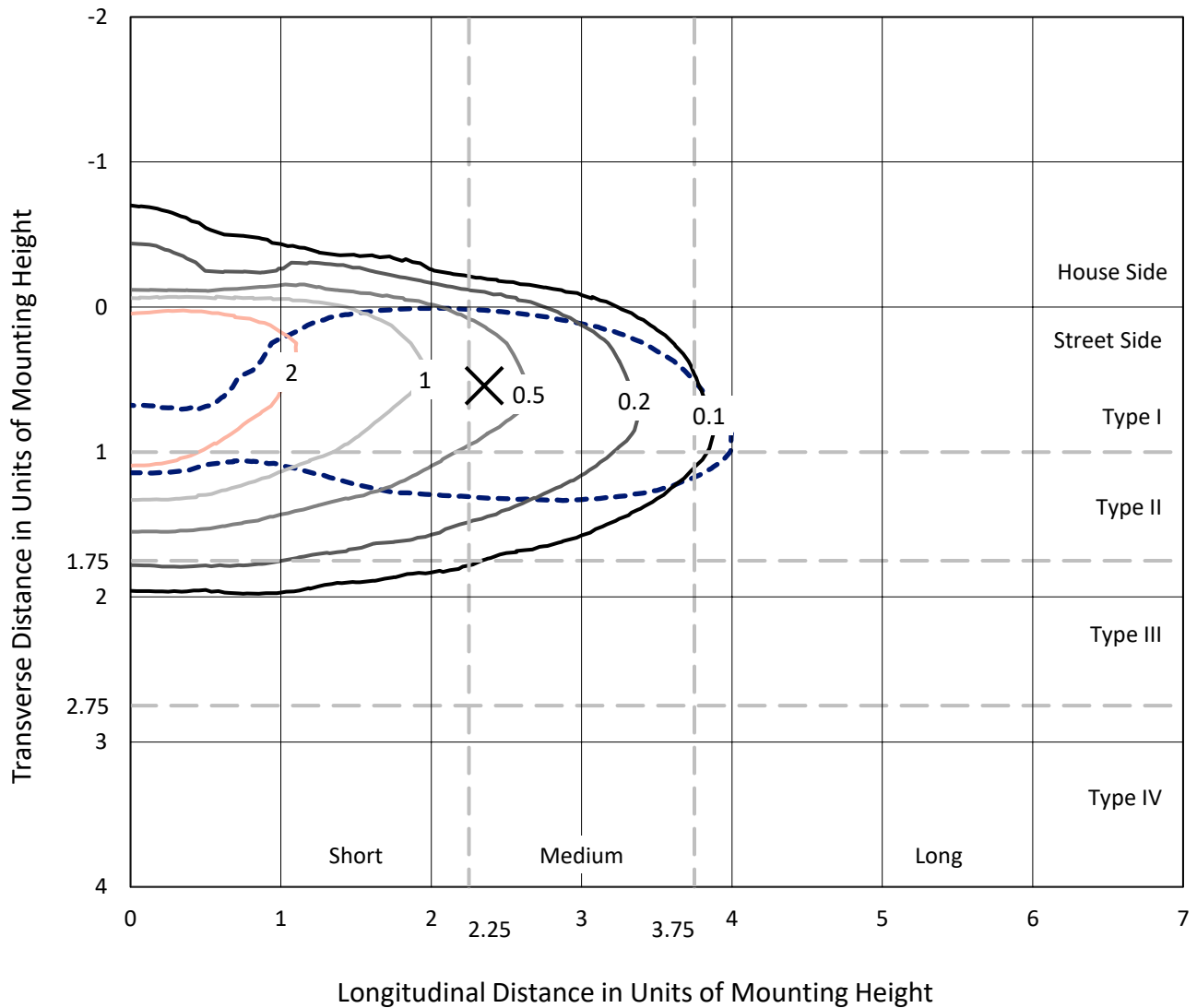
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

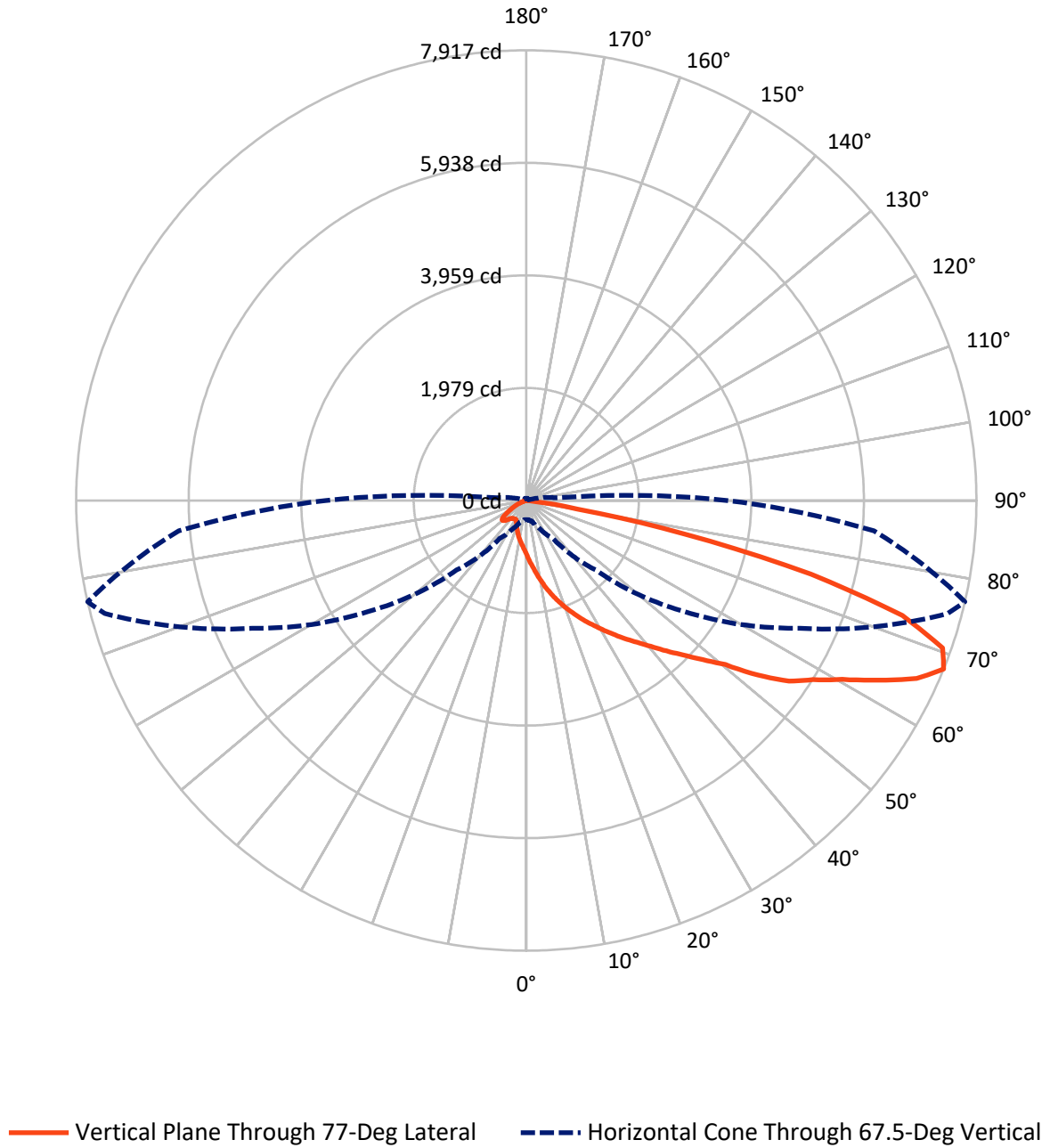
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	607.5	0.0	607.5
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	7650.5	0.0	7650.5
	% Fixture	92.6	0.0	92.6
Total	Lumens	8258.0	0.0	8258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	1.2
10°-20°	340.4	4.1
20°-30°	656.8	8.0
30°-40°	1140.3	13.8
40°-50°	1655.6	20.0
50°-60°	1901.2	23.0
60°-70°	1650.6	20.0
70°-80°	777.5	9.4
80°-90°	38.4	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°	8258.0	100.0
0°-180°	8258.0	100.0

Coefficient of Utilization



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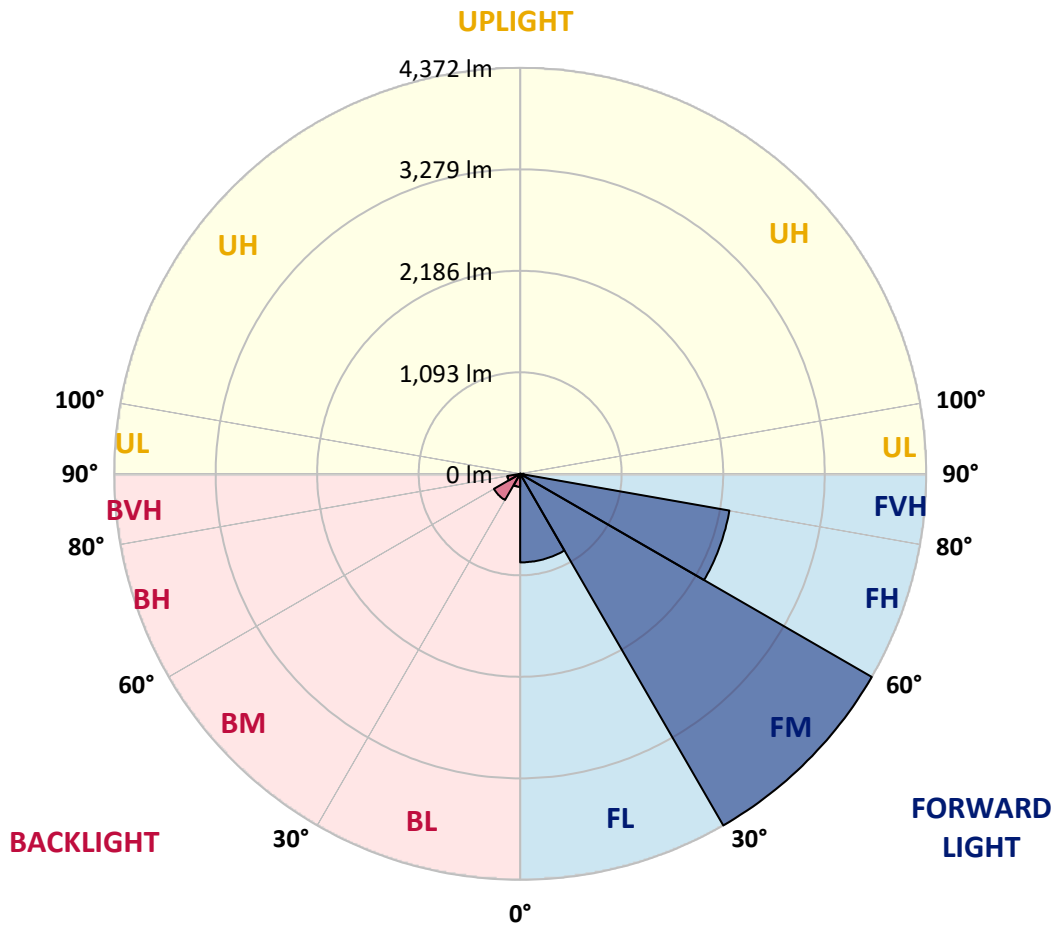
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	953.7	11.5			
FM (30°-60°)	4371.6	52.9			
FH (60°-80°)	2287.4	27.7			G2/5000
FVH (80°-90°)	37.7	0.5			G1/100
BL (0°-30°)	140.7	1.7	B1/500		
BM (30°-60°)	325.5	3.9	B1/1000		
BH (60°-80°)	140.7	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°	952.3	952.3	952.3	952.3	952.3	952.3	952.3	952.3	952.3	952.3
2.5°	1318.4	1326.6	1314.8	1292.3	1258.4	1236.4	1182.5	1131.7	1075.3	1057.4
5°	1607.1	1614.3	1601.0	1576.3	1531.2	1488.1	1417.4	1311.2	1201.0	1165.6
7.5°	1821.0	1825.1	1819.9	1797.4	1754.3	1705.6	1626.6	1501.0	1337.4	1298.4
10°	1974.8	1988.1	1986.6	1977.9	1949.2	1909.7	1825.6	1682.5	1490.2	1439.9
12.5°	2076.8	2091.7	2100.4	2119.9	2118.4	2093.2	2019.4	1868.1	1642.5	1583.5
15°	2106.6	2122.5	2155.8	2200.9	2240.9	2253.8	2202.0	2050.2	1810.2	1734.8
17.5°	2089.7	2114.3	2154.3	2225.6	2313.2	2371.2	2365.5	2226.1	1962.5	1876.3
20°	2127.1	2150.7	2182.0	2242.0	2344.0	2449.1	2491.2	2394.3	2113.8	2023.5
22.5°	2334.3	2330.2	2333.2	2343.0	2404.0	2508.1	2594.8	2547.1	2263.5	2171.2
25°	2662.5	2644.0	2612.7	2559.9	2544.5	2594.8	2685.0	2682.5	2421.4	2322.5
27.5°	3038.9	3035.8	2962.4	2835.3	2763.5	2744.0	2787.1	2814.2	2577.8	2472.2
30°	3399.3	3407.6	3308.6	3167.1	3035.3	2958.9	2919.9	2939.4	2736.8	2633.7
32.5°	3713.2	3721.9	3614.2	3448.6	3285.5	3193.2	3111.2	3063.0	2910.1	2797.8
35°	3978.3	3987.0	3863.4	3680.4	3506.5	3422.9	3330.1	3198.3	3084.5	2979.9
37.5°	4215.2	4212.6	4047.0	3862.4	3691.6	3625.5	3576.8	3365.0	3264.0	3162.9
40°	4355.2	4366.0	4224.4	4020.9	3855.2	3807.0	3803.9	3571.6	3471.1	3373.2
42.5°	4396.2	4415.2	4312.6	4145.5	3995.2	3942.9	4023.4	3795.2	3712.2	3616.8
45°	4322.4	4340.8	4294.2	4178.3	4090.6	4056.8	4212.1	4027.0	3969.6	3875.2
47.5°	4107.0	4130.1	4141.4	4116.8	4115.7	4150.1	4381.4	4271.1	4275.2	4178.8
50°	3690.1	3729.1	3832.7	3919.8	4054.7	4223.9	4546.0	4535.7	4619.8	4536.7
52.5°	2932.2	2987.6	3344.5	3582.9	3886.0	4210.1	4727.0	4960.3	5224.4	5102.9
55°	2356.3	2356.3	2646.6	3092.7	3556.8	4118.8	4806.0	5236.2	5636.2	5607.5
57.5°	1920.9	1944.0	2129.1	2523.5	3080.4	3901.4	4854.7	5409.5	5968.0	5946.9
60°	1185.6	1235.3	1585.1	1974.3	2538.4	3514.2	4823.9	5584.9	6370.5	6387.4
62.5°	667.7	686.1	842.0	1420.5	1973.8	2993.7	4588.5	5682.8	6885.4	6957.2
65°	461.0	470.2	530.2	884.1	1368.1	2383.5	4128.5	5621.8	7401.2	7546.4
67.5°	334.9	339.5	376.9	540.0	811.8	1728.1	3407.6	5314.1	7674.6	7917.1
70°	257.4	260.5	287.7	354.9	479.5	1066.6	2474.8	4702.4	7476.6	7766.3
72.5°	209.2	212.3	233.3	262.6	317.9	630.7	1499.9	3818.8	6602.8	6915.6
75°	176.4	180.5	199.5	218.5	249.2	405.1	703.6	2659.4	4965.4	5170.6
77.5°	97.9	90.3	162.0	181.0	210.2	256.4	329.2	1565.1	2780.9	2837.8
80°	61.0	63.1	128.7	145.6	161.5	129.2	150.8	602.5	964.1	915.9
82.5°	3.6	8.2	99.0	105.1	110.8	55.4	56.9	204.6	232.3	213.3
85°	0.0	0.0	45.1	36.4	38.5	15.9	16.4	47.7	31.3	33.8
87.5°	0.0	0.0	0.0	1.0	0.0	1.5	3.1	4.1	1.5	2.1
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°
952.3	0°	952.3	952.3	952.3	952.3	952.3	952.3	952.3	952.3	952.3	952.3
1001.0	2.5°	965.1	929.2	856.4	785.1	727.1	673.3	634.8	598.4	580.0	579.0
1065.6	5°	994.3	918.9	773.3	644.6	541.0	457.9	404.1	365.6	346.1	339.5
1145.1	7.5°	1035.3	922.0	700.5	521.5	399.5	328.2	297.4	285.1	281.0	276.4
1234.8	10°	1087.1	929.2	635.4	420.0	314.9	279.0	266.7	261.5	258.5	255.4
1335.8	12.5°	1145.1	935.9	570.7	348.7	276.9	258.5	249.7	243.6	239.5	235.9
1439.4	15°	1201.5	940.0	503.6	299.0	257.4	242.6	233.3	226.7	221.0	216.9
1541.0	17.5°	1257.4	945.6	440.5	269.2	241.5	226.7	217.4	209.2	204.6	200.0
1647.6	20°	1319.4	944.6	381.0	248.2	225.6	210.8	201.0	193.3	188.7	183.6
1760.4	22.5°	1376.9	939.4	328.7	230.2	209.2	194.9	184.1	176.4	171.8	167.7
1875.8	25°	1443.0	935.3	285.1	213.8	193.8	179.5	167.7	160.5	155.4	151.8
1991.7	27.5°	1506.6	929.2	253.3	199.0	179.0	165.1	153.8	145.6	141.0	138.5
2111.2	30°	1569.2	927.7	241.5	184.6	165.6	151.8	140.5	132.8	129.2	128.2
2242.5	32.5°	1644.5	931.8	246.7	179.5	153.3	139.5	128.7	123.1	119.5	119.5
2388.6	35°	1725.1	930.7	254.3	184.1	145.1	127.2	119.0	115.4	111.8	111.8
2550.7	37.5°	1826.1	932.3	260.5	191.8	142.0	116.9	112.3	107.7	105.6	105.6
2728.1	40°	1976.8	983.0	257.4	198.5	141.0	109.7	100.5	99.0	97.4	97.4
2928.6	42.5°	2161.5	1093.3	261.5	199.0	140.5	104.6	92.3	95.4	91.8	91.3
3154.7	45°	2363.5	1213.8	287.7	188.2	140.0	102.0	88.2	91.8	86.2	86.2
3416.8	47.5°	2564.0	1333.3	314.3	172.8	138.5	101.5	84.6	82.6	81.0	81.5
3758.3	50°	2840.4	1430.7	324.6	151.8	134.9	100.5	77.9	78.5	77.4	78.5
4239.8	52.5°	3141.4	1451.2	312.3	128.2	124.6	97.4	73.3	75.4	74.9	75.9
4578.8	55°	3329.1	1429.2	257.9	106.7	108.7	85.1	68.7	72.8	72.8	72.8
4910.1	57.5°	3522.9	1335.3	183.1	86.7	90.3	69.7	64.6	70.3	69.7	69.2
5309.0	60°	3662.4	1183.5	120.5	71.3	71.8	57.4	60.0	66.2	65.6	63.1
5720.3	62.5°	3766.5	1015.9	77.4	60.5	54.9	51.8	54.9	60.0	57.9	52.3
6069.0	65°	3754.7	783.6	59.5	51.8	45.1	45.1	47.7	52.3	46.2	36.9
6135.6	67.5°	3535.8	530.2	49.2	43.6	37.9	37.4	39.5	43.6	39.5	31.3
5794.1	70°	3144.5	346.7	39.5	33.8	30.3	27.7	31.8	37.4	33.3	25.1
4932.6	72.5°	2552.2	211.3	29.7	24.6	22.1	17.9	25.1	30.8	26.7	18.5
3430.1	75°	1651.2	107.7	20.5	15.9	11.8	10.8	18.5	23.1	18.5	11.3
1522.0	77.5°	631.8	45.1	11.3	7.2	6.2	5.1	10.3	13.8	7.7	2.6
294.9	80°	121.5	19.0	5.6	3.6	3.1	2.1	1.5	1.0	0.0	0.0
52.3	82.5°	21.0	6.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
10.3	85°	7.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6	87.5°	2.6	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>
952.3
577.9
338.4
275.4
254.3
234.9
216.4
199.5
183.1
167.2
151.3
138.5
127.7
119.5
111.8
105.6
97.4
90.8
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81.5
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