

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: P948387

Luminaire Tested: **GALN-SB3B-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11487 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

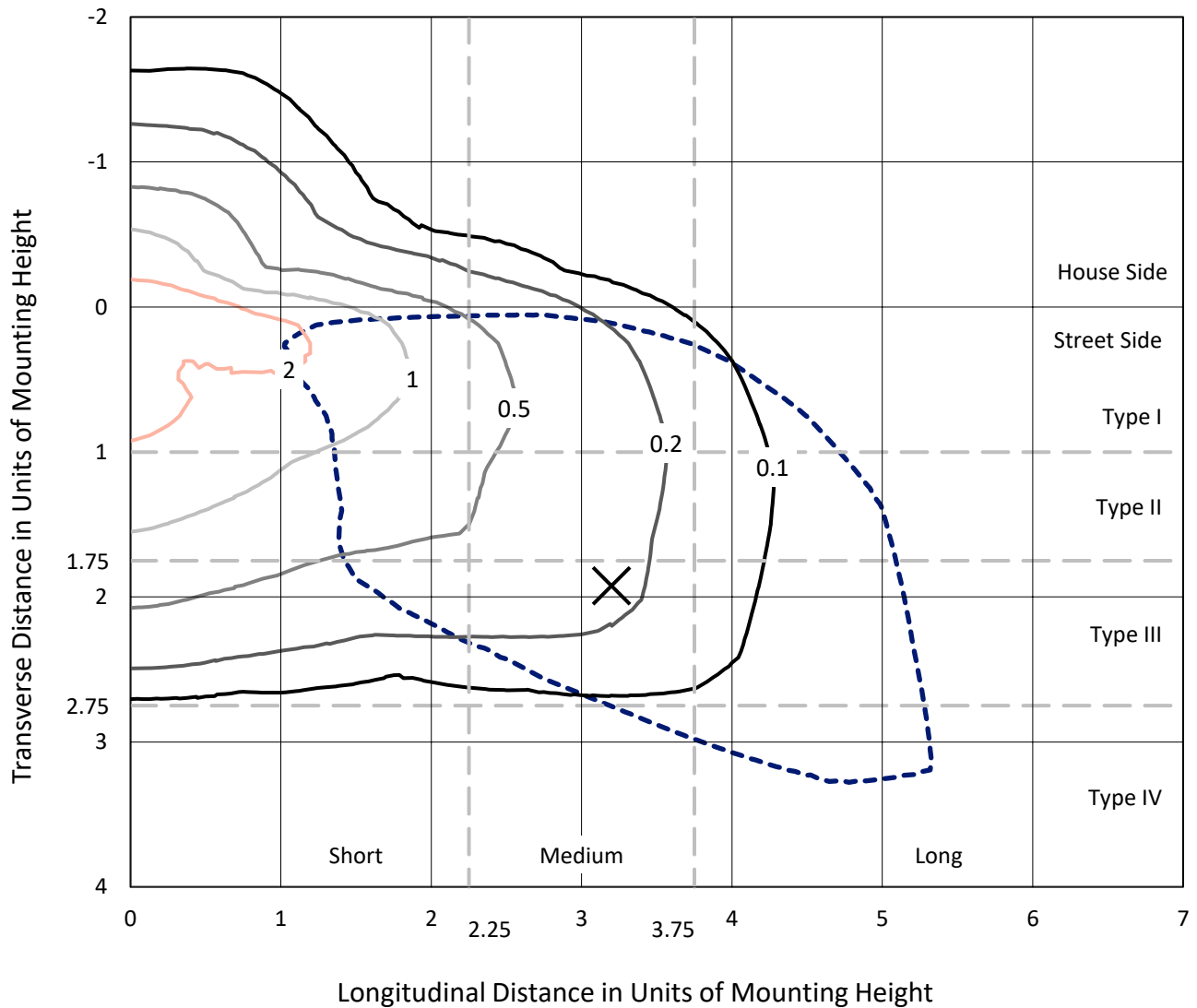
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948387
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Iso-Footcandle Lines of Horizontal Illumination

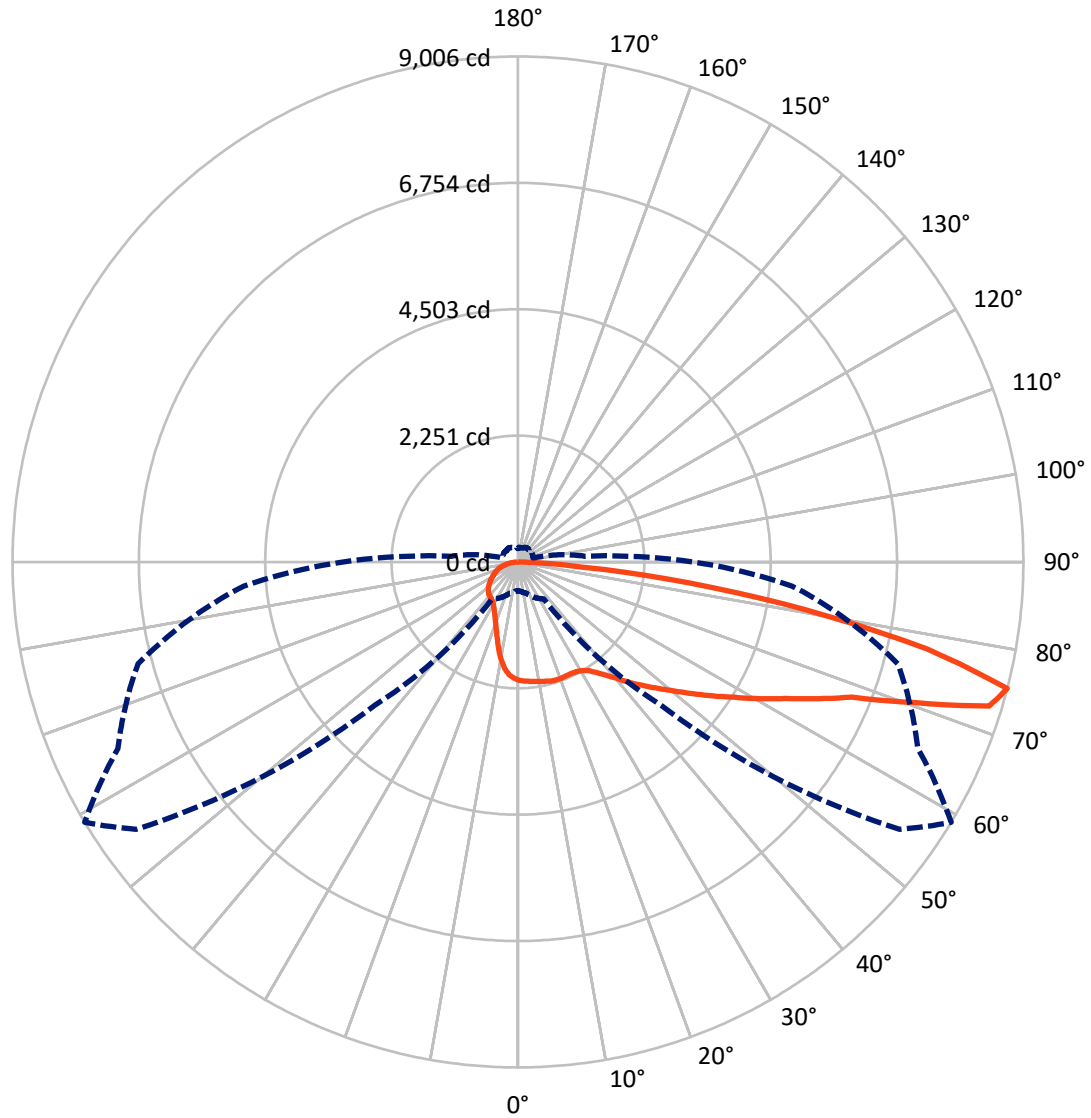
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2154.5	0.0	2154.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	9332.5	0.0	9332.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	11487.0	0.0	11487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	1.6
10°-20°	483.2	4.2
20°-30°	734.0	6.4
30°-40°	1091.1	9.5
40°-50°	1622.6	14.1
50°-60°	2202.5	19.2
60°-70°	2688.9	23.4
70°-80°	2110.2	18.4
80°-90°	365.5	3.2
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°	11487.0	100.0
0°-180°	11487.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948387

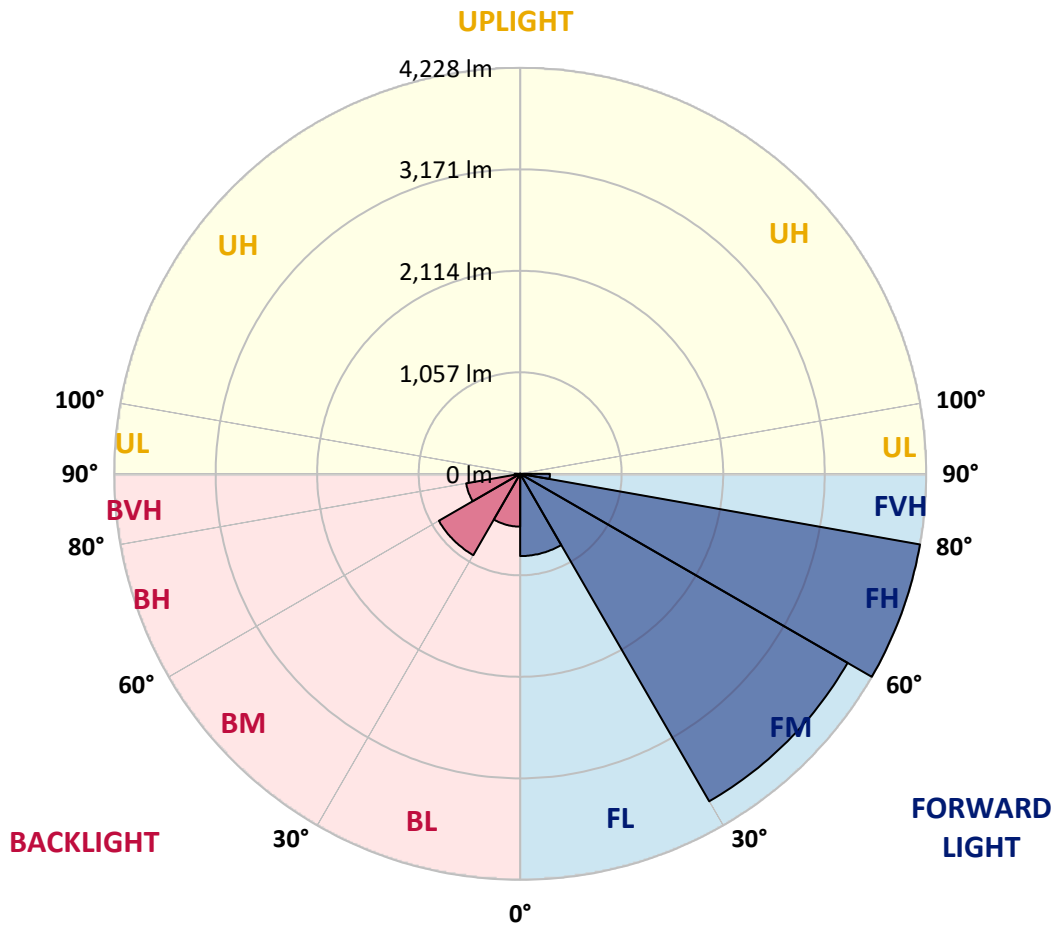
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	856.5	7.5			
FM (30°-60°)	3938.2	34.3			
FH (60°-80°)	4228.3	36.8			G2/5000
FVH (80°-90°)	309.6	2.7			G3/500
BL (0°-30°)	549.8	4.8	B2/1000		
BM (30°-60°)	977.9	8.5	B1/1000		
BH (60°-80°)	570.8	5.0	B2/1000		G2/1000
BVH (80°-90°)	56.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4
2.5°	2126.3	2118.9	2126.3	2123.2	2122.0	2119.5	2120.2	2124.5	2122.0	2125.1
5°	2112.1	2107.8	2115.2	2113.4	2121.4	2122.6	2130.7	2135.6	2138.7	2139.3
7.5°	2088.6	2084.3	2094.8	2103.5	2120.8	2125.7	2142.4	2150.4	2154.8	2162.2
10°	2002.7	2000.9	2026.8	2059.6	2100.4	2125.7	2151.1	2164.6	2171.4	2191.2
12.5°	1850.7	1853.2	1887.2	1950.2	2031.8	2113.4	2160.9	2180.7	2191.2	2215.9
15°	1705.5	1704.9	1742.0	1809.3	1923.6	2059.0	2165.9	2199.9	2217.8	2254.2
17.5°	1621.5	1619.0	1645.0	1696.2	1802.5	1975.6	2153.5	2210.4	2248.7	2294.4
20°	1606.0	1601.1	1614.7	1640.0	1715.4	1884.1	2121.4	2210.4	2273.4	2332.7
22.5°	1662.3	1654.2	1648.7	1645.6	1678.9	1808.7	2084.9	2203.0	2309.9	2387.7
25°	1775.3	1763.0	1734.6	1706.8	1696.9	1774.7	2052.8	2201.1	2364.2	2461.9
27.5°	1958.3	1942.8	1885.3	1818.6	1758.7	1792.0	2038.6	2212.2	2424.2	2540.4
30°	2185.0	2168.4	2096.1	1993.5	1886.0	1856.3	2056.5	2245.0	2500.8	2644.8
32.5°	2388.3	2369.8	2308.0	2203.6	2058.4	1967.5	2113.4	2307.4	2621.3	2790.0
35°	2568.8	2547.2	2491.5	2395.1	2269.7	2123.9	2215.9	2418.0	2792.5	3026.1
37.5°	2745.5	2720.2	2659.6	2557.7	2469.9	2332.1	2357.4	2560.1	3019.9	3312.8
40°	2943.3	2906.8	2833.3	2732.5	2647.3	2576.2	2543.4	2734.4	3251.0	3632.9
42.5°	3134.8	3100.2	3012.5	2926.6	2819.7	2799.3	2759.1	2938.3	3503.7	3984.5
45°	3341.2	3299.8	3193.5	3084.8	3017.4	2947.6	2968.0	3142.2	3751.5	4342.9
47.5°	3534.6	3488.3	3362.8	3241.7	3204.6	3072.4	3159.5	3366.5	4009.2	4706.2
50°	3639.1	3593.3	3488.9	3379.5	3350.5	3226.3	3367.2	3613.1	4279.2	5068.3
52.5°	3726.2	3676.7	3540.2	3479.6	3471.0	3393.7	3623.0	3894.9	4549.3	5388.4
55°	3818.9	3763.9	3589.6	3535.2	3574.8	3581.6	3926.4	4214.4	4834.8	5700.5
57.5°	3925.8	3855.9	3637.2	3582.2	3676.1	3801.6	4274.9	4545.6	5115.3	5989.7
60°	4026.5	3956.1	3728.7	3657.0	3785.5	4056.8	4674.7	4946.6	5432.9	6247.4
62.5°	4046.3	3988.2	3801.6	3801.0	3933.8	4354.6	5148.1	5351.4	5710.4	6502.0
65°	3703.9	3667.5	3556.9	3795.4	4146.4	4783.5	5675.2	5869.2	6063.2	6724.4
67.5°	2819.0	2824.0	2816.0	3276.3	3974.6	5399.6	6438.3	6423.5	6498.9	6974.1
70°	1289.0	1318.1	1507.2	2261.7	3184.2	5470.6	7700.2	7508.0	7045.8	7297.3
72.5°	696.4	718.7	795.9	1095.6	1914.4	4863.8	8643.1	8779.7	7773.1	7514.8
75°	511.0	523.4	577.2	696.4	803.9	3615.0	8305.1	9005.9	7863.9	7007.4
77.5°	382.5	388.1	431.9	551.8	411.5	1905.7	6636.1	7458.5	6731.8	5757.4
80°	277.5	283.6	316.4	414.0	288.6	697.0	4556.7	5235.2	4610.5	3669.9
82.5°	191.6	194.0	208.2	281.8	201.4	270.7	2585.5	3069.9	2573.7	1287.8
85°	115.6	118.6	124.8	164.4	114.3	128.5	1116.0	1154.3	769.3	307.7
87.5°	47.6	50.7	55.6	69.2	45.1	35.8	184.1	231.1	144.0	90.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948387
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2108.4	0°	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4	2108.4
2114.6	2.5°	2111.5	2107.2	2095.4	2079.4	2064.5	2046.0	2038.0	2031.2	2025.0	2013.3
2131.3	5°	2124.5	2112.7	2081.2	2040.4	1994.1	1943.4	1894.0	1860.0	1831.0	1809.3
2150.4	7.5°	2144.3	2122.0	2064.5	1981.1	1874.8	1766.1	1667.8	1598.0	1545.5	1526.3
2177.6	10°	2164.6	2138.1	2038.0	1890.9	1707.4	1539.9	1409.5	1337.8	1295.8	1282.2
2209.8	12.5°	2188.7	2149.8	1996.6	1765.5	1520.1	1336.6	1222.9	1180.9	1159.3	1151.8
2249.3	15°	2224.0	2159.7	1934.2	1608.5	1341.5	1188.3	1114.8	1085.7	1074.6	1074.0
2290.1	17.5°	2250.5	2161.6	1837.1	1440.4	1204.4	1098.7	1038.1	1027.0	1034.4	1045.6
2330.3	20°	2280.2	2144.9	1709.8	1287.2	1108.0	1020.2	994.9	1002.3	1020.2	1036.3
2383.4	22.5°	2301.2	2114.6	1556.0	1167.9	1024.5	975.1	973.9	989.3	999.2	1007.2
2445.8	25°	2319.7	2063.3	1392.8	1067.8	956.0	947.9	961.5	956.6	949.8	956.6
2508.2	27.5°	2333.3	1982.4	1247.0	980.1	907.8	929.4	921.3	910.2	909.6	913.3
2581.8	30°	2329.0	1874.2	1127.1	896.6	873.8	894.8	875.6	873.8	871.9	873.8
2692.4	32.5°	2329.0	1751.2	1035.1	839.2	852.1	844.1	842.3	837.9	830.5	829.9
2842.5	35°	2342.0	1628.3	956.0	808.3	834.2	815.1	816.3	805.8	790.3	782.9
3041.5	37.5°	2368.6	1529.4	877.5	793.4	802.7	802.1	797.1	779.2	752.0	728.6
3289.9	40°	2432.8	1500.4	823.7	786.6	787.9	795.3	782.3	747.7	685.9	647.6
3542.0	42.5°	2533.6	1549.2	812.0	770.0	778.0	785.4	760.1	679.7	635.9	613.0
3806.5	45°	2661.5	1634.5	837.3	745.9	754.5	767.5	692.1	653.8	634.0	634.6
4068.5	47.5°	2823.4	1724.1	884.3	724.8	720.5	727.9	647.0	623.5	596.3	603.1
4320.0	50°	3010.6	1814.9	928.8	696.4	682.8	658.7	617.9	595.7	561.1	545.0
4562.9	52.5°	3213.3	1902.6	946.7	661.8	642.0	614.2	598.2	571.0	529.0	502.4
4792.1	55°	3405.5	1982.4	926.9	620.4	601.3	579.6	577.2	560.5	515.4	478.3
4996.0	57.5°	3587.1	2049.1	877.5	578.4	559.9	546.9	563.6	555.5	498.7	451.1
5188.8	60°	3741.0	2094.8	805.8	535.8	522.8	516.0	541.3	538.8	475.2	422.1
5361.9	62.5°	3863.4	2112.7	726.7	495.0	491.9	479.5	510.4	510.4	445.5	393.6
5513.9	65°	3959.1	2095.4	646.4	454.8	461.0	442.4	472.7	469.0	414.0	368.3
5688.8	67.5°	4043.8	2038.6	557.4	415.3	429.5	406.0	433.2	424.5	379.4	343.0
5840.2	70°	4081.5	1906.3	456.0	375.7	393.0	370.1	393.6	377.6	340.5	315.8
5673.9	72.5°	3778.7	1584.4	359.0	334.3	349.1	330.6	351.0	332.5	298.5	287.3
4899.7	75°	3126.2	1188.9	276.2	289.2	300.3	286.1	299.7	286.1	255.2	263.2
3619.3	77.5°	2270.3	802.7	211.3	241.6	246.6	239.1	250.9	235.4	207.6	205.8
1803.8	80°	1129.0	470.3	165.6	190.9	189.1	184.1	197.7	190.3	166.8	176.7
486.9	82.5°	326.9	201.4	120.5	134.1	130.4	131.6	141.5	145.2	217.5	215.7
151.4	85°	102.6	79.1	72.3	74.8	71.1	72.9	83.4	165.6	153.2	89.6
47.0	87.5°	26.6	27.2	17.9	19.2	19.8	23.5	26.6	100.7	48.2	31.5
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>
2108.4
2007.7
1791.4
1492.9
1261.2
1153.7
1076.5
1049.9
1041.8
1011.6
960.9
919.5
880.6
837.9
790.3
736.6
652.5
613.0
637.7
620.4
549.3
501.8
478.3
448.6
420.2
391.8
365.8
340.5
310.8
278.1
240.4
196.5
174.9
220.6
97.0
33.4
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