

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: P952594

Luminaire Tested: **GALN-SB6B-927-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952594  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-927-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

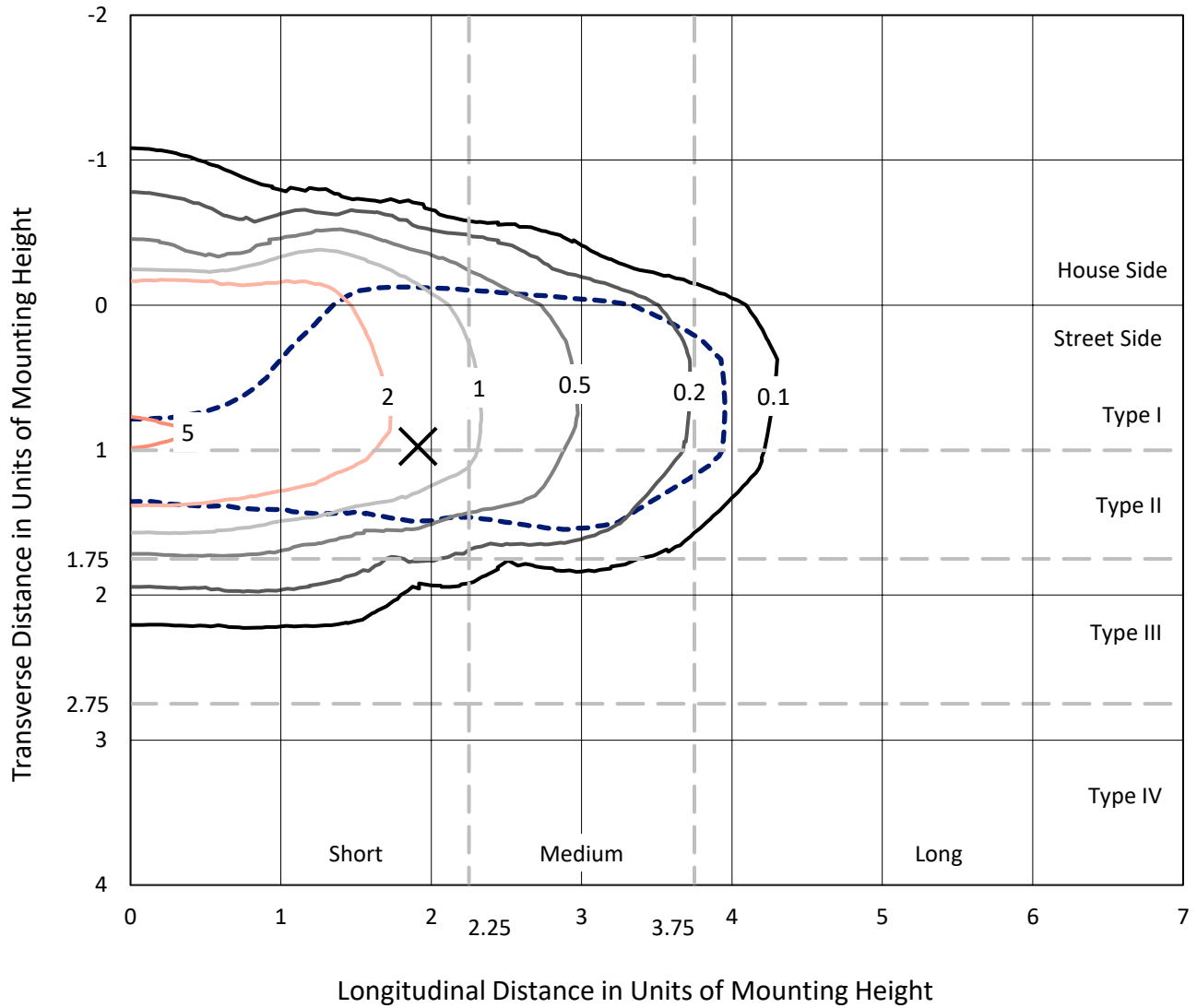
Lumens per Lamp: N/A  
Luminaire Lumens: 15885 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

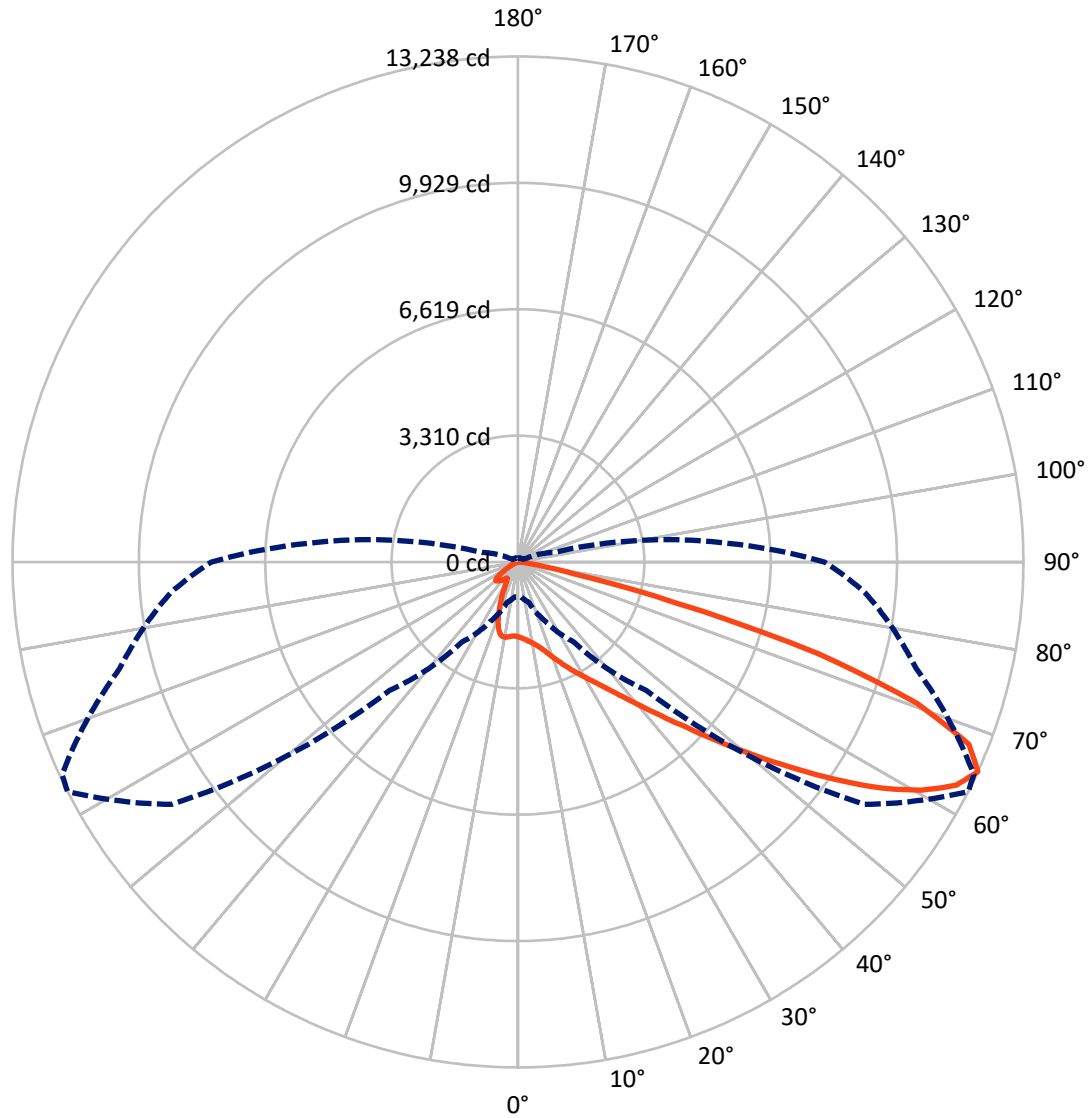
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2335.0	0.0	2335.0
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	13550.0	0.0	13550.0
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	15885.0	0.0	15885.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.7	1.2
10°-20°	512.5	3.2
20°-30°	892.4	5.6
30°-40°	1608.5	10.1
40°-50°	3190.2	20.1
50°-60°	4345.6	27.4
60°-70°	3468.6	21.8
70°-80°	1569.6	9.9
80°-90°	112.8	0.7
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°	15885.0	100.0
0°-180°	15885.0	100.0

**Coefficient of Utilization**



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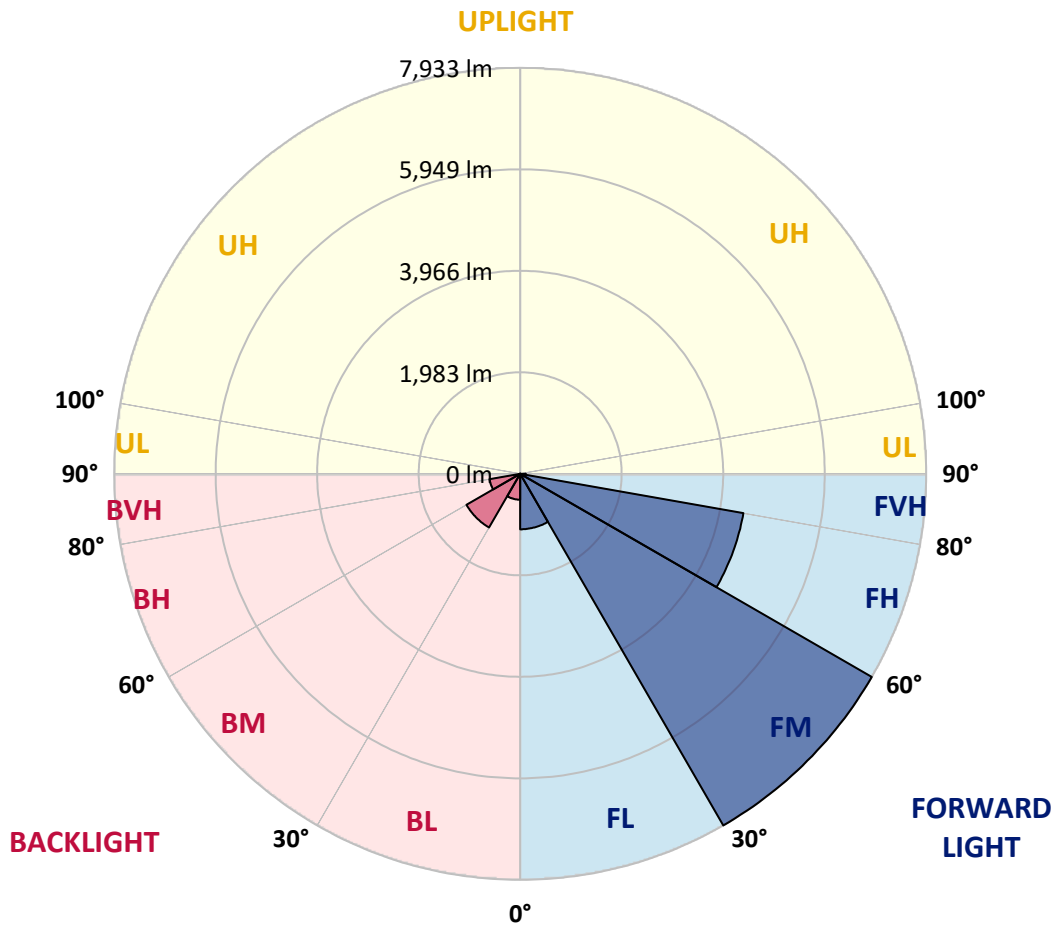
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.3	6.8			
FM (30°-60°)	7932.6	49.9			
FH (60°-80°)	4428.7	27.9			G2/5000
FVH (80°-90°)	104.5	0.7			G2/225
BL (0°-30°)	505.3	3.2	B2/1000		
BM (30°-60°)	1211.7	7.6	B2/2500		
BH (60°-80°)	609.6	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5
2.5°	2006.4	2000.9	2008.6	2005.3	2003.1	1998.8	1996.6	1994.4	1990.0	1986.7
5°	2011.9	2008.6	2016.2	2022.8	2029.4	2035.9	2039.2	2043.6	2039.2	2030.4
7.5°	1966.0	1963.8	1980.2	1999.9	2029.4	2054.5	2081.8	2097.1	2098.2	2094.9
10°	1962.7	1957.2	1973.6	1997.7	2035.9	2080.7	2128.8	2161.6	2166.0	2180.2
12.5°	2014.1	2008.6	2031.5	2057.8	2097.1	2144.1	2203.1	2249.0	2255.6	2275.2
15°	2100.4	2092.7	2119.0	2152.8	2203.1	2256.7	2319.0	2360.5	2365.9	2390.0
17.5°	2200.9	2193.3	2223.9	2259.9	2314.6	2387.8	2459.9	2505.8	2512.4	2527.7
20°	2329.9	2320.0	2344.1	2376.9	2434.8	2522.2	2608.5	2674.1	2673.0	2673.0
22.5°	2479.6	2464.3	2485.1	2511.3	2565.9	2671.9	2786.7	2864.3	2864.3	2833.7
25°	2640.2	2624.9	2647.9	2671.9	2720.0	2840.2	2974.6	3070.8	3075.2	3022.7
27.5°	2841.3	2821.6	2839.1	2867.5	2896.0	3018.4	3177.9	3289.4	3291.6	3210.7
30°	3228.2	3172.4	3117.8	3087.2	3100.3	3221.6	3392.1	3515.6	3526.5	3415.0
32.5°	3936.3	3925.4	3733.1	3481.7	3350.6	3440.2	3631.4	3780.0	3786.6	3643.4
35°	5036.8	5023.7	4714.4	4235.7	3808.5	3733.1	3922.1	4098.1	4093.7	3931.9
37.5°	6350.3	6338.3	5930.7	5290.3	4598.6	4175.6	4296.9	4481.6	4509.0	4296.9
40°	7472.7	7427.9	7170.0	6552.5	5647.7	4910.0	4830.2	4952.6	4981.0	4729.7
42.5°	8322.9	8284.6	8153.5	7767.7	6917.5	5996.3	5458.6	5505.6	5537.3	5235.7
45°	8763.3	8754.5	8807.0	8770.9	8211.4	7329.5	6356.9	6161.3	6173.3	5796.3
47.5°	8825.6	8821.2	9060.5	9399.3	9323.9	8833.2	7509.8	6978.7	6936.1	6429.0
50°	8458.4	8449.6	8908.6	9543.5	10067.0	10096.5	8819.0	7900.0	7806.0	7083.6
52.5°	7285.8	7283.6	8037.7	9094.4	10328.2	11202.4	10112.9	8911.9	8754.5	7776.5
55°	5606.1	5646.6	6511.0	7760.1	9851.7	11734.6	11274.6	10035.3	9793.8	8473.7
57.5°	3971.3	4030.3	4884.9	5997.4	8374.2	11419.9	12060.3	11160.9	10900.8	9168.7
60°	2133.2	2185.6	3041.3	4369.1	6230.1	10246.2	12474.5	12137.9	11892.0	9828.8
62.5°	1270.9	1288.4	1642.5	2820.6	4213.9	7827.8	12298.5	12882.1	12679.9	10382.8
65°	912.5	915.8	1093.9	1722.3	2558.3	4755.9	11064.7	13238.4	13176.1	10800.3
67.5°	768.2	766.1	840.4	1144.2	1743.0	2382.3	8480.2	12734.6	12999.0	11064.7
70°	659.0	662.2	749.7	838.2	1310.3	1348.5	4216.1	11087.7	11651.6	11134.7
72.5°	490.7	501.6	582.5	763.9	989.0	927.8	1455.6	8221.2	9240.8	10491.0
75°	346.4	351.9	409.8	642.6	737.6	675.4	743.1	4250.0	5557.0	8043.1
77.5°	266.6	276.5	310.4	449.1	726.7	474.3	454.6	1470.9	2259.9	4858.7
80°	144.3	161.7	224.0	324.6	510.3	335.5	225.1	585.7	766.1	2272.0
82.5°	74.3	83.1	156.3	233.9	290.7	292.9	111.5	243.7	315.8	701.6
85°	29.5	36.1	104.9	129.0	149.7	144.3	50.3	98.4	113.7	194.5
87.5°	6.6	10.9	38.2	29.5	28.4	30.6	12.0	22.9	21.9	22.9
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°
1960.5	0°	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5
1973.6	2.5°	1972.5	1968.2	1956.1	1943.0	1927.7	1919.0	1913.5	1912.4	1904.8	1899.3
2017.3	5°	2005.3	2000.9	1978.0	1950.7	1921.2	1898.2	1876.4	1856.7	1828.3	1822.8
2080.7	7.5°	2070.9	2058.9	2021.7	1984.6	1928.8	1862.2	1781.3	1688.4	1605.3	1580.2
2164.9	10°	2151.8	2135.4	2088.4	2022.8	1899.3	1717.9	1522.3	1340.9	1196.6	1156.2
2264.3	12.5°	2243.5	2229.3	2167.1	2045.7	1775.8	1446.9	1147.5	922.3	782.5	747.5
2370.3	15°	2352.8	2332.1	2245.7	2010.8	1555.1	1099.4	787.9	654.6	604.3	597.8
2491.6	17.5°	2468.7	2434.8	2315.7	1885.1	1257.8	781.4	608.7	570.4	548.6	542.0
2614.0	20°	2574.7	2531.0	2357.2	1695.0	939.8	608.7	545.3	520.2	500.5	492.9
2736.4	22.5°	2680.7	2618.4	2357.2	1436.0	704.9	539.9	500.5	477.6	454.6	444.8
2867.5	25°	2791.0	2708.0	2315.7	1147.5	567.2	495.0	457.9	432.8	413.1	401.1
2992.1	27.5°	2898.1	2783.4	2220.6	874.3	504.9	455.7	418.5	394.5	375.9	367.2
3127.6	30°	2999.8	2857.7	2087.3	663.3	464.4	417.5	382.5	361.7	343.1	334.4
3303.6	32.5°	3137.5	2951.7	1945.2	544.2	429.5	381.4	349.7	330.0	313.6	307.1
3532.0	35°	3328.7	3090.5	1822.8	534.4	400.0	351.9	320.2	301.6	285.2	279.8
3827.0	37.5°	3599.7	3314.5	1758.3	600.0	375.9	325.7	296.2	276.5	261.2	256.8
4201.9	40°	3934.1	3618.3	1793.3	665.5	359.5	302.7	274.3	254.6	241.5	236.0
4632.4	42.5°	4330.8	3993.1	1986.7	715.8	348.6	283.0	253.5	231.7	222.9	220.7
5120.9	45°	4786.5	4405.1	2282.9	769.3	331.1	264.5	232.8	216.4	209.8	208.7
5652.0	47.5°	5304.5	4857.6	2626.0	836.0	313.6	247.0	216.4	205.4	200.0	197.8
6206.1	50°	5818.1	5313.3	2979.0	873.2	299.4	230.6	203.3	194.5	190.1	189.1
6791.8	52.5°	6355.8	5782.1	3264.2	838.2	287.4	217.5	192.3	185.8	181.4	180.3
7331.7	55°	6868.3	6161.3	3313.4	711.4	263.4	204.4	180.3	177.0	171.6	171.6
7879.2	57.5°	7309.8	6351.4	2965.9	522.4	239.3	184.7	168.3	165.0	160.6	159.6
8373.1	60°	7715.3	6296.8	2289.4	351.9	213.1	165.0	153.0	150.8	146.4	141.0
8802.6	62.5°	7943.7	6056.4	1566.0	229.5	186.9	144.3	135.5	134.4	124.6	113.7
9120.6	65°	8030.0	5562.4	977.0	167.2	156.3	123.5	116.9	114.7	100.5	88.5
9300.9	67.5°	7954.6	4749.4	492.9	132.2	123.5	102.7	96.2	96.2	86.3	75.4
9290.0	70°	7653.0	3560.4	207.6	106.0	95.1	78.7	78.7	83.1	73.2	61.2
8808.1	72.5°	6998.4	2395.4	110.4	80.9	71.0	55.7	64.5	67.8	57.9	45.9
7209.3	75°	5563.5	1461.1	76.5	60.1	44.8	39.3	49.2	51.4	39.3	30.6
4942.8	77.5°	3805.2	839.3	51.4	38.2	28.4	22.9	33.9	31.7	20.8	14.2
1905.9	80°	1670.9	349.7	29.5	17.5	10.9	8.7	12.0	8.7	6.6	4.4
261.2	82.5°	195.6	82.0	10.9	6.6	4.4	2.2	1.1	0.0	0.0	0.0
79.8	85°	40.4	9.8	5.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0
14.2	87.5°	7.6	2.2	1.1	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>
1960.5
1904.8
1820.6
1568.2
1140.9
737.6
591.2
538.8
488.5
439.3
396.7
367.2
335.5
307.1
279.8
255.7
235.0
220.7
207.6
197.8
189.1
180.3
170.5
158.5
139.9
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