

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: P948249

Luminaire Tested: **GALN-SB3B-835-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3B-835-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

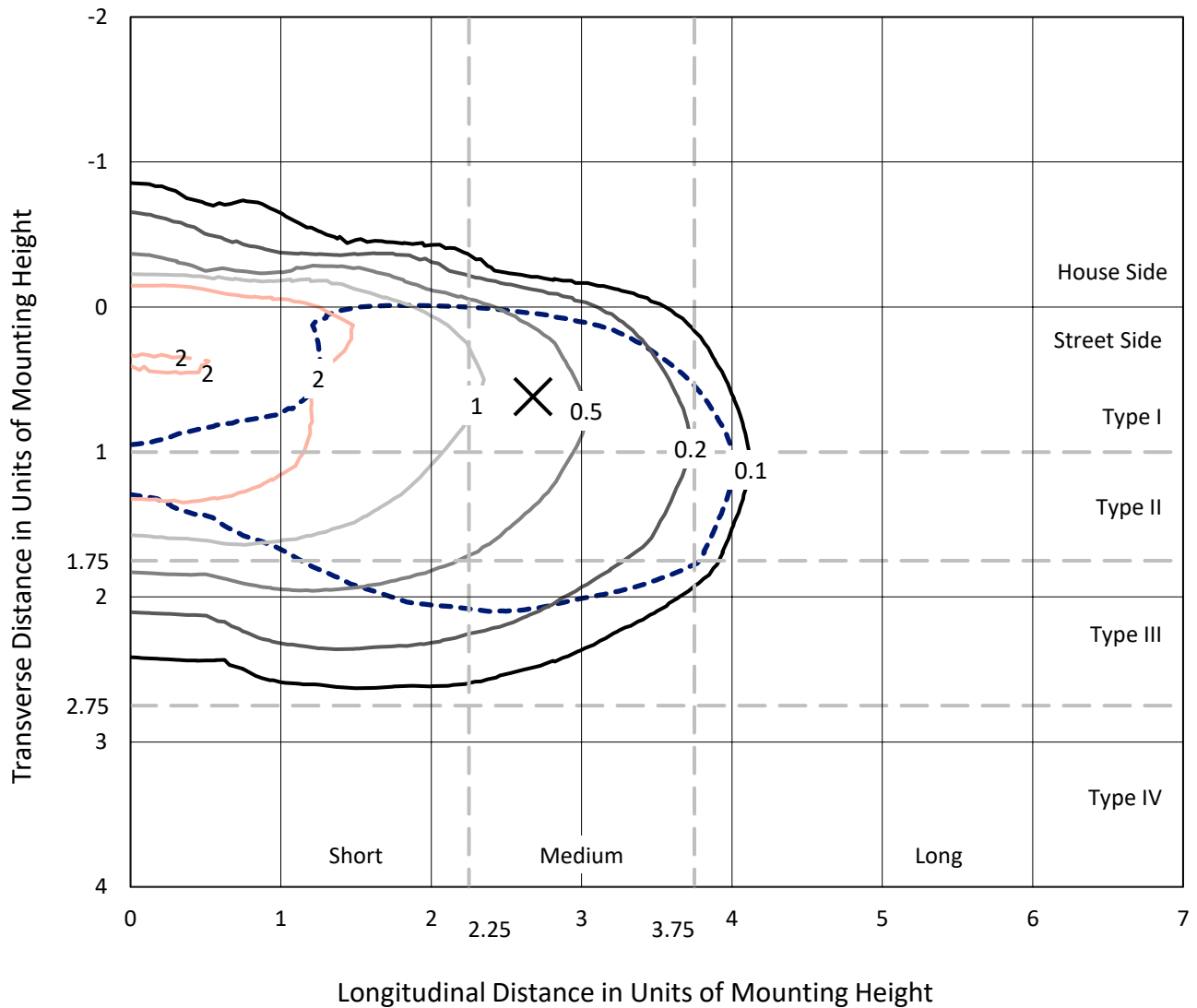
Lumens per Lamp: N/A  
Luminaire Lumens: 13047 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

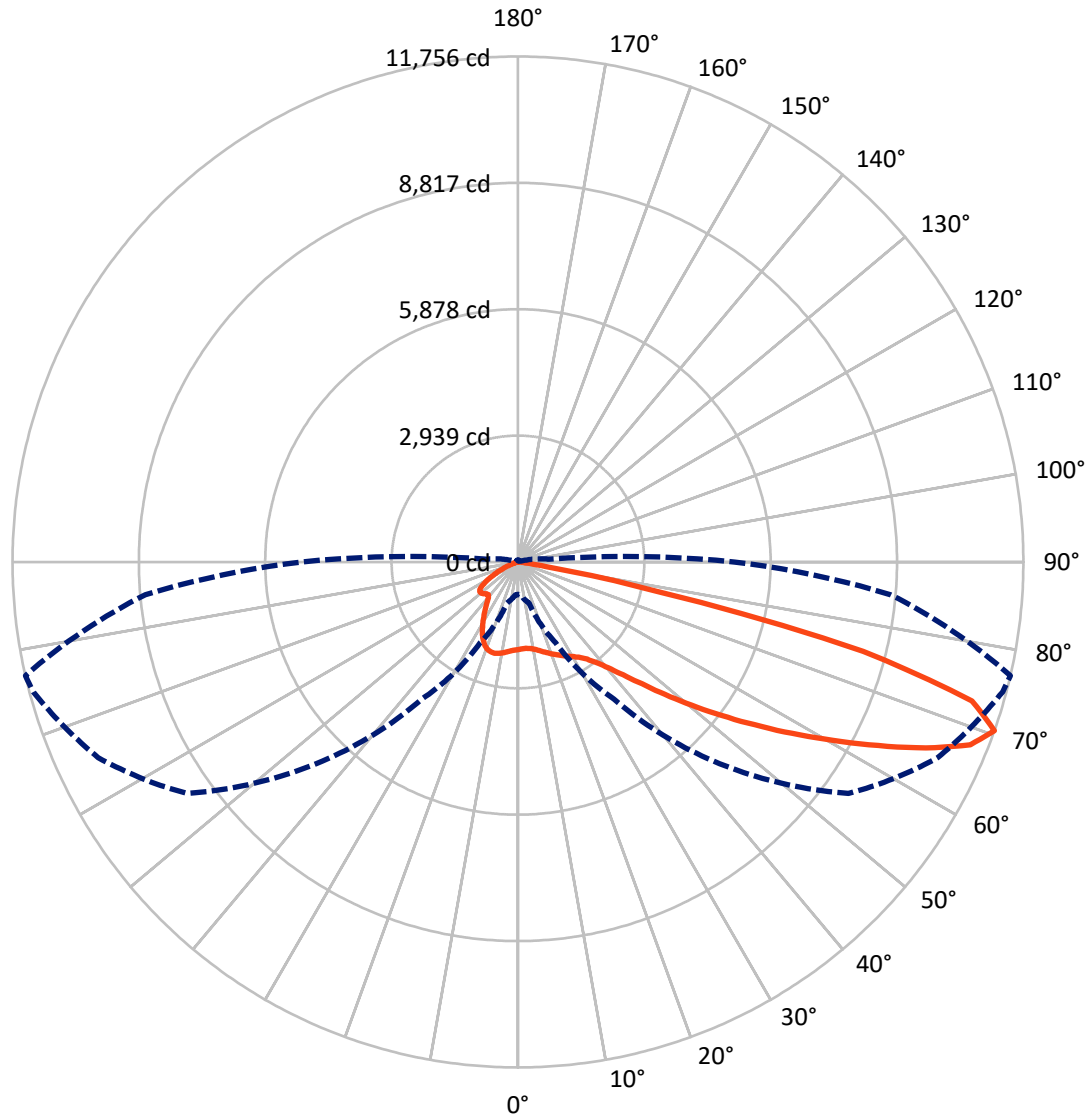
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1375.3	0.0	1375.3
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	11671.7	0.0	11671.7
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	13047.0	0.0	13047.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.4	1.3
10°-20°	416.4	3.2
20°-30°	644.0	4.9
30°-40°	1168.6	9.0
40°-50°	2205.8	16.9
50°-60°	3187.2	24.4
60°-70°	3392.7	26.0
70°-80°	1797.9	13.8
80°-90°	59.0	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°	13047.0	100.0
0°-180°	13047.0	100.0

**Coefficient of Utilization**



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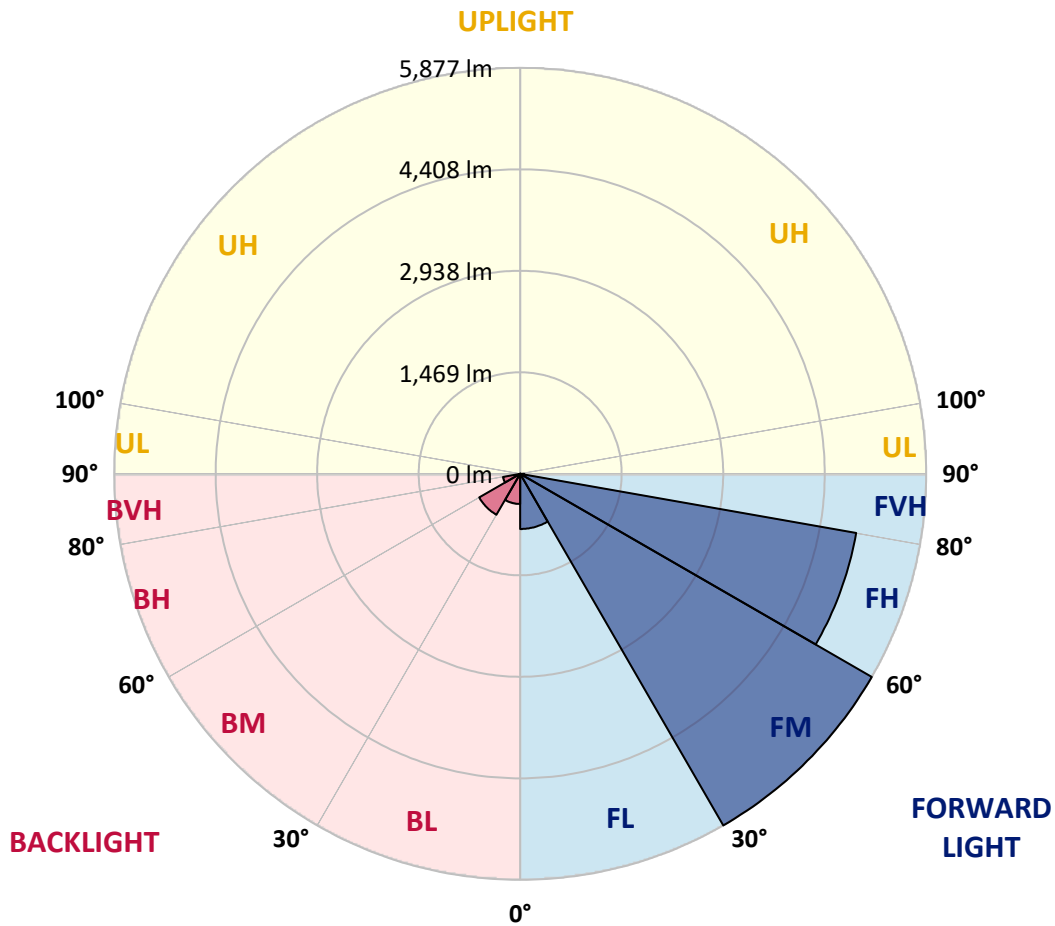
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.8	6.1			
FM (30°-60°)	5877.0	45.0			
FH (60°-80°)	4938.5	37.9			G2/5000
FVH (80°-90°)	57.4	0.4			G1/100
BL (0°-30°)	437.0	3.3	B1/500		
BM (30°-60°)	684.6	5.2	B1/1000		
BH (60°-80°)	252.1	1.9	B1/500		G1/500
BVH (80°-90°)	1.6	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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1
2.5°	1910.7	1928.0	1925.5	1937.0	1941.2	1957.6	1974.1	1996.4	2021.1	2020.3
5°	1802.7	1820.1	1824.2	1839.8	1859.6	1885.1	1918.9	1963.4	2009.6	2017.0
7.5°	1675.0	1693.2	1703.9	1735.2	1771.4	1824.2	1879.4	1944.5	2021.1	2031.8
10°	1547.3	1563.8	1577.8	1622.3	1680.0	1758.3	1848.1	1942.0	2045.0	2060.6
12.5°	1468.2	1483.9	1499.5	1538.3	1610.0	1705.5	1827.5	1953.5	2084.5	2106.8
15°	1440.2	1454.2	1466.6	1501.2	1567.9	1676.7	1823.3	1977.4	2134.8	2164.5
17.5°	1444.3	1451.8	1460.0	1486.4	1551.5	1663.5	1830.8	2018.6	2194.1	2220.5
20°	1468.2	1472.4	1473.2	1491.3	1549.0	1661.9	1845.6	2058.2	2250.1	2285.6
22.5°	1498.7	1500.4	1498.7	1511.1	1564.6	1674.2	1865.4	2106.0	2312.8	2345.7
25°	1641.3	1610.0	1570.4	1546.5	1591.0	1698.1	1895.0	2170.2	2381.1	2413.3
27.5°	2083.7	1993.9	1852.2	1693.2	1645.4	1732.7	1936.2	2235.3	2450.4	2479.2
30°	2802.2	2684.3	2443.8	2085.4	1820.1	1805.2	1989.8	2300.4	2523.7	2555.0
32.5°	3522.3	3493.4	3215.8	2719.8	2213.1	1966.7	2078.8	2388.6	2620.9	2645.6
35°	4250.6	4192.1	3964.7	3474.5	2818.6	2295.5	2227.1	2503.9	2748.6	2776.6
37.5°	4808.4	4773.0	4632.1	4228.4	3537.1	2803.0	2480.8	2682.7	2934.0	2965.3
40°	5301.1	5284.7	5236.9	4970.7	4340.4	3467.1	2875.5	2959.5	3191.1	3228.1
42.5°	5688.4	5727.1	5754.3	5680.1	5168.5	4225.1	3406.1	3348.4	3549.5	3587.4
45°	6084.7	6097.9	6207.5	6314.6	5990.8	5017.7	4004.3	3804.1	3995.2	4042.2
47.5°	6339.3	6392.0	6584.8	6773.5	6682.0	5803.7	4646.9	4342.1	4511.8	4600.0
50°	6358.2	6457.9	6723.2	7052.0	7185.5	6551.9	5345.6	4955.1	5135.5	5232.8
52.5°	6042.7	6197.6	6608.7	7089.9	7457.4	7185.5	6068.2	5568.1	5799.6	5926.5
55°	4632.9	4835.6	6177.8	6883.9	7468.1	7665.8	6771.8	6206.6	6539.5	6682.9
57.5°	4036.4	4138.6	4857.0	6526.3	7269.5	7859.4	7407.9	6814.7	7344.5	7522.4
60°	3358.3	3492.6	4073.5	5941.3	7000.1	7878.4	7969.8	7599.1	8217.0	8417.2
62.5°	2282.3	2428.1	3005.7	4936.1	6631.8	7869.3	8430.4	8406.5	9186.8	9401.8
65°	1413.9	1505.3	1886.0	4030.6	6116.8	7879.2	8912.4	9387.0	10210.1	10428.4
67.5°	1117.2	1159.3	1357.8	3094.7	5229.5	7656.7	9393.6	10309.0	11173.3	11346.3
70°	750.6	776.1	987.9	2074.6	3890.6	6630.1	9384.5	10772.0	11669.3	11755.8
72.5°	395.5	415.3	577.6	960.7	2349.8	4712.9	7910.5	10218.3	11175.7	11045.5
75°	197.7	230.7	388.9	487.8	1003.5	2628.3	4912.2	8056.3	8796.2	8292.0
77.5°	150.0	181.3	321.3	321.3	349.3	884.9	2080.4	4394.0	4052.9	3374.8
80°	95.6	123.6	281.0	243.1	145.8	224.9	542.1	1230.9	861.0	655.0
82.5°	56.0	80.7	234.0	160.7	81.6	83.2	153.3	262.0	223.3	173.8
85°	22.2	52.7	160.7	63.4	32.1	20.6	46.1	56.0	46.1	34.6
87.5°	0.0	12.4	28.0	0.0	2.5	1.6	3.3	4.1	4.1	3.3
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°
2035.1	0°	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1	2035.1
2036.7	2.5°	2044.2	2045.8	2050.8	2051.6	2040.0	2025.2	2019.4	2017.0	2007.1	2006.3
2049.9	5°	2068.9	2076.3	2068.9	2047.5	1996.4	1924.7	1870.3	1825.8	1785.4	1773.1
2095.2	7.5°	2118.3	2125.7	2103.5	2019.4	1890.9	1748.4	1619.8	1529.2	1447.6	1417.2
2150.4	10°	2189.2	2199.1	2129.0	1959.3	1731.9	1502.8	1285.3	1132.1	1012.6	964.0
2225.4	12.5°	2278.2	2282.3	2143.0	1867.8	1525.1	1198.0	889.8	725.9	619.6	580.0
2316.1	15°	2376.2	2370.4	2144.7	1743.4	1243.3	847.0	580.9	477.1	434.2	421.0
2406.7	17.5°	2479.2	2455.3	2111.7	1563.8	934.3	579.2	430.9	406.2	398.8	395.5
2496.5	20°	2580.5	2527.0	2051.6	1329.0	670.7	432.6	391.4	383.9	379.8	378.2
2587.1	22.5°	2672.8	2581.4	1948.6	1056.3	486.9	382.3	369.9	363.4	355.9	352.6
2675.3	25°	2762.6	2612.7	1803.6	801.7	389.7	357.6	347.7	335.3	325.5	321.3
2770.0	27.5°	2850.0	2632.4	1622.3	593.2	347.7	334.5	316.4	299.1	291.7	290.0
2871.4	30°	2943.1	2639.0	1416.3	442.4	322.2	305.7	279.3	259.5	255.4	256.2
3008.2	32.5°	3056.8	2648.9	1208.7	362.5	300.7	271.1	239.8	219.2	215.9	219.2
3207.5	35°	3192.7	2668.7	1008.5	333.7	281.8	235.6	201.9	184.6	181.3	183.7
3463.0	37.5°	3377.3	2700.8	821.5	327.9	266.1	206.0	169.7	155.7	155.7	156.5
3776.1	40°	3622.8	2786.5	654.2	323.8	257.9	183.7	143.4	137.6	140.1	141.7
4174.8	42.5°	3921.9	2968.6	541.3	318.9	248.8	173.8	130.2	127.7	131.8	133.5
4652.7	45°	4257.2	3199.3	501.8	310.6	240.6	180.4	124.4	121.1	126.1	126.9
5188.3	47.5°	4604.1	3425.1	496.8	301.6	232.3	190.3	122.8	115.3	121.1	121.9
5760.1	50°	4955.1	3572.5	501.8	287.6	219.2	190.3	123.6	109.6	114.5	117.0
6353.3	52.5°	5308.6	3640.1	498.5	257.1	196.1	178.8	123.6	104.6	109.6	111.2
6994.3	55°	5651.3	3626.9	448.2	211.7	166.4	158.2	120.3	100.5	103.8	104.6
7599.9	57.5°	5922.4	3443.2	355.1	164.8	135.1	131.8	109.6	95.6	98.0	97.2
8155.2	60°	6064.1	3039.5	253.8	126.9	106.3	103.8	96.4	89.0	90.6	86.5
8625.7	62.5°	6065.7	2505.6	169.7	100.5	84.9	82.4	82.4	79.9	78.3	70.0
8989.9	65°	5936.4	1913.2	112.9	79.9	68.4	64.3	69.2	68.4	62.6	51.1
9101.1	67.5°	5643.1	1254.0	85.7	62.6	52.7	50.3	55.2	57.7	53.6	42.8
8695.7	70°	5040.0	730.0	70.9	48.6	39.5	37.1	44.5	49.4	44.5	34.6
7432.6	72.5°	4186.4	393.8	57.7	36.3	27.2	24.7	35.4	40.4	35.4	25.5
4768.9	75°	2716.5	210.9	44.5	23.9	14.0	15.7	26.4	29.7	24.7	16.5
1399.8	77.5°	912.1	93.1	28.0	11.5	6.6	6.6	15.7	18.1	11.5	5.8
254.6	80°	203.5	38.7	11.5	4.9	2.5	2.5	3.3	3.3	1.6	0.0
78.3	82.5°	66.7	15.7	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
19.8	85°	25.5	5.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	87.5°	9.9	0.8	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

180°
2035.1
2007.9
1765.7
1404.8
943.4
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394.7
376.5
351.8
319.7
288.4
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182.9
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