

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: P940564

Luminaire Tested: **GALN-SB3C-940-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-940-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

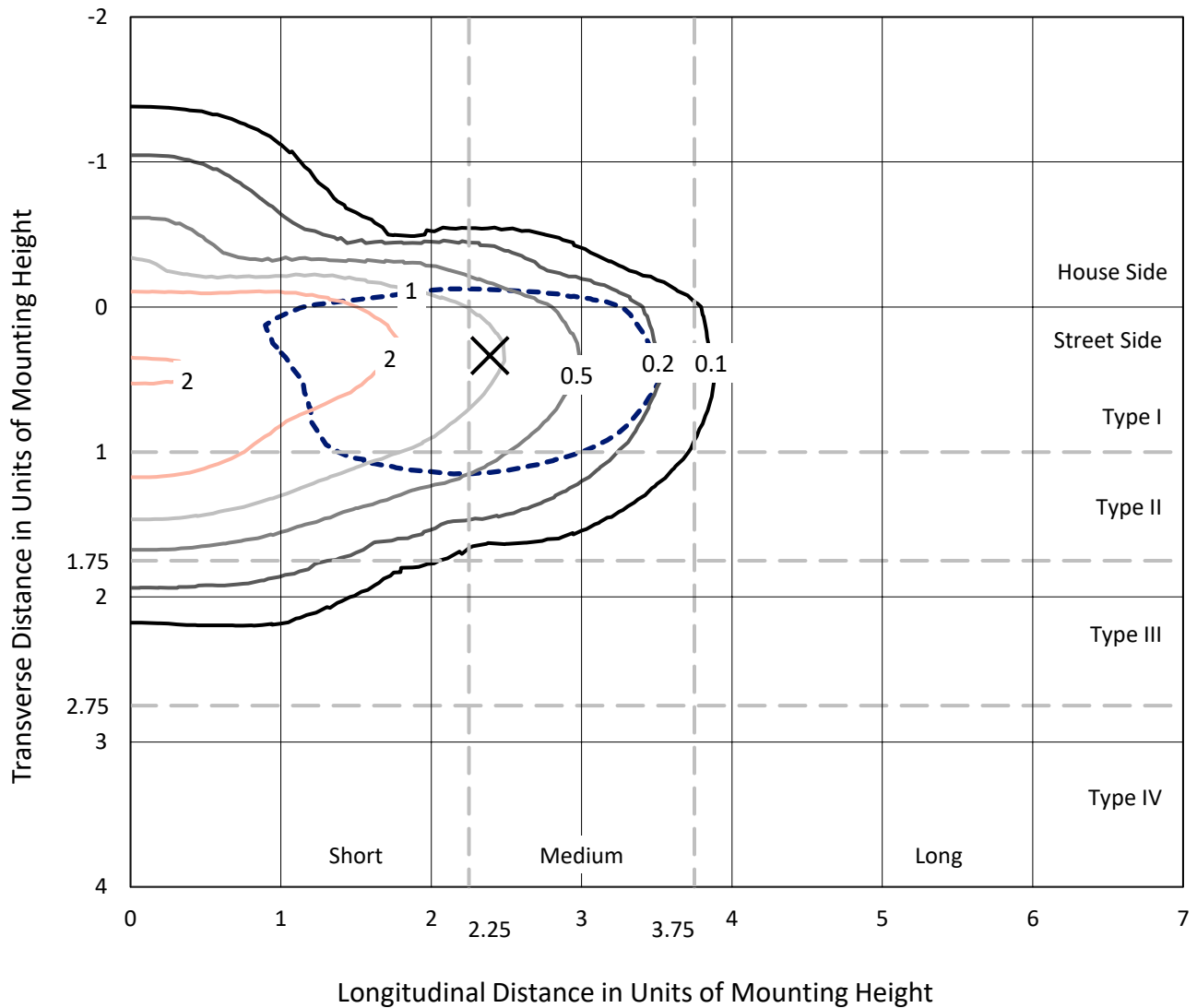
Lumens per Lamp: N/A  
Luminaire Lumens: 11890 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

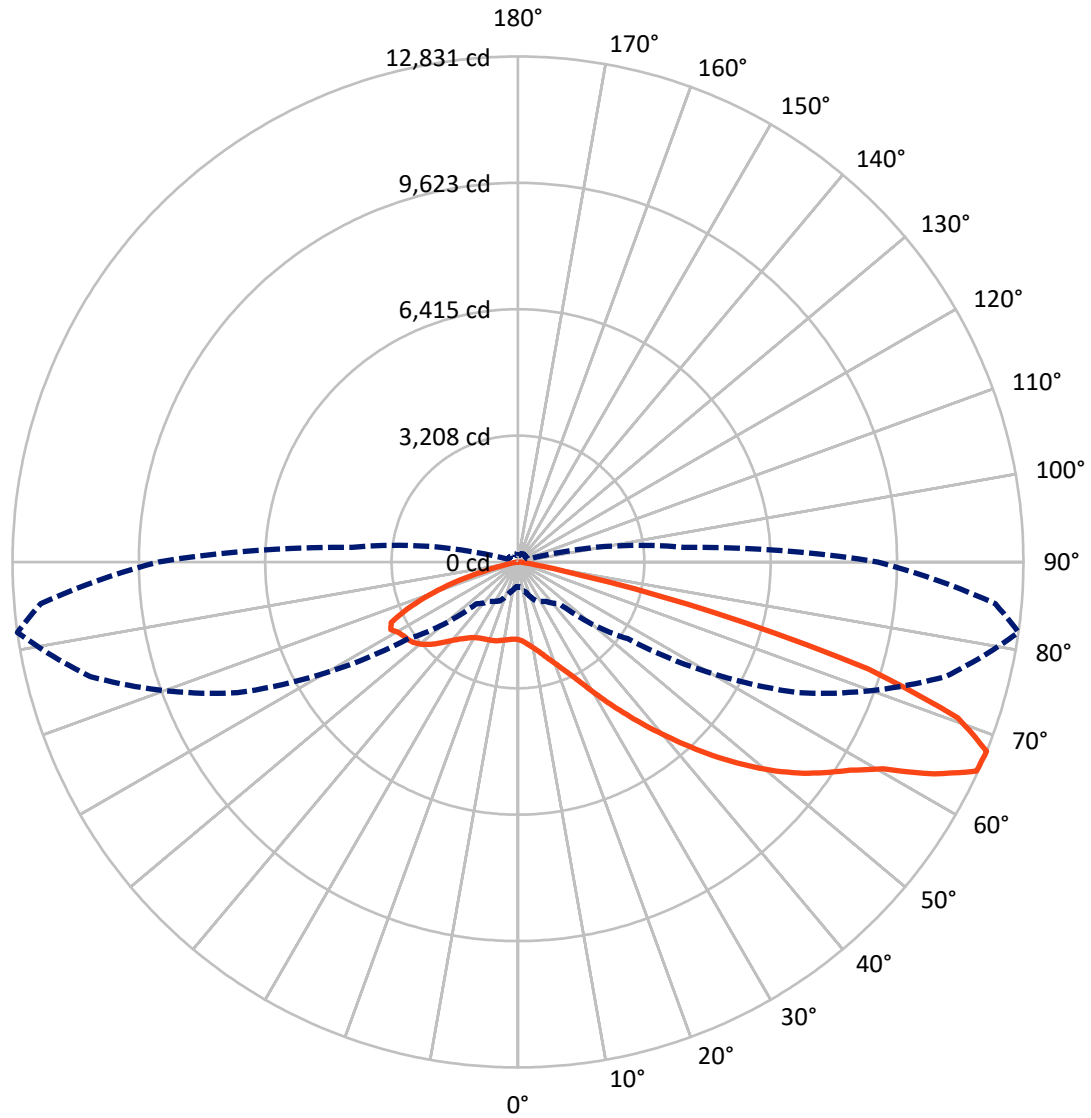
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2153.8	0.0	2153.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	9736.2	0.0	9736.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	11890.0	0.0	11890.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.5	1.5
10°-20°	456.0	3.8
20°-30°	730.4	6.1
30°-40°	1291.6	10.9
40°-50°	2263.0	19.0
50°-60°	3018.2	25.4
60°-70°	2809.8	23.6
70°-80°	1078.4	9.1
80°-90°	67.0	0.6
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°	11890.0	100.0
0°-180°	11890.0	100.0



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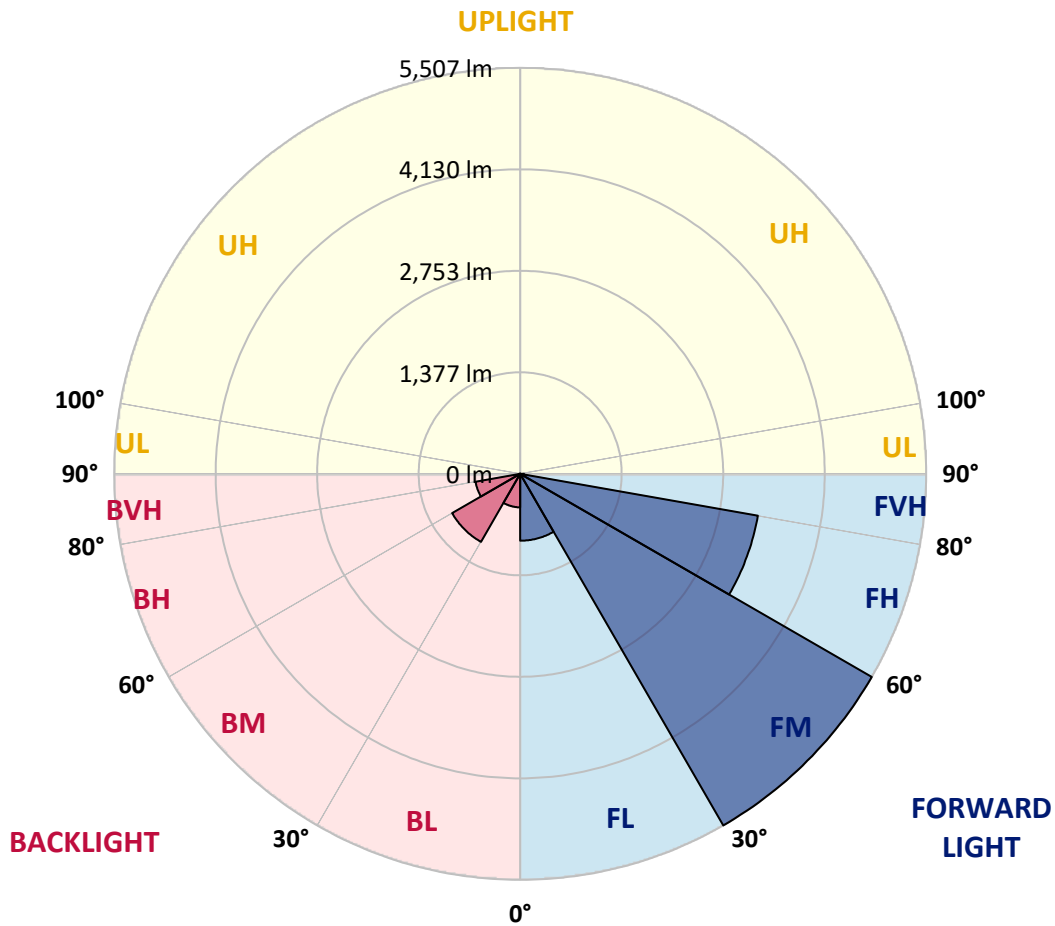
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	907.1	7.6			
FM (30°-60°)	5507.0	46.3			
FH (60°-80°)	3273.5	27.5			G2/5000
FVH (80°-90°)	48.7	0.4			G1/100
BL (0°-30°)	454.9	3.8	B1/500		
BM (30°-60°)	1065.9	9.0	B2/2500		
BH (60°-80°)	614.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	18.3	0.2			G1/100
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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
2.5°	2081.9	2093.9	2087.0	2083.6	2077.6	2069.1	2062.2	2040.8	2018.6	2004.0
5°	2123.9	2135.8	2135.0	2138.4	2142.7	2145.3	2143.5	2119.6	2087.9	2063.1
7.5°	2087.9	2101.6	2112.7	2129.9	2159.8	2191.5	2206.9	2201.8	2169.2	2135.0
10°	1986.0	2000.6	2027.1	2067.4	2130.7	2199.2	2256.5	2283.1	2262.5	2224.9
12.5°	1799.4	1814.0	1866.2	1953.5	2059.7	2178.6	2288.2	2359.3	2364.4	2326.7
15°	1589.7	1604.2	1659.9	1769.5	1931.2	2122.1	2305.3	2439.7	2485.1	2452.6
17.5°	1459.6	1472.4	1514.4	1602.5	1771.2	2009.1	2299.3	2525.3	2628.9	2603.2
20°	1420.2	1431.3	1451.0	1512.6	1653.0	1891.9	2260.0	2605.8	2783.9	2769.3
22.5°	1462.1	1472.4	1478.4	1505.8	1594.0	1814.8	2210.3	2688.0	2963.6	2965.4
25°	1558.9	1569.1	1562.3	1579.4	1617.9	1790.9	2191.5	2784.7	3189.6	3208.5
27.5°	1718.1	1718.9	1702.7	1701.8	1707.8	1826.8	2211.2	2888.3	3474.7	3509.8
30°	2037.4	2024.6	1962.1	1894.4	1863.6	1934.7	2266.0	3010.7	3811.1	3873.6
32.5°	2529.6	2510.8	2396.1	2234.3	2071.6	2108.5	2364.4	3150.3	4177.5	4290.5
35°	3063.8	3058.7	2938.8	2698.3	2414.1	2355.8	2524.5	3333.5	4577.3	4757.1
37.5°	3560.3	3557.7	3489.3	3205.9	2860.1	2700.8	2781.3	3573.2	5005.3	5265.6
40°	4014.0	4021.7	3953.2	3699.8	3351.4	3143.4	3130.6	3869.3	5481.3	5819.4
42.5°	4406.1	4414.6	4345.3	4157.8	3836.8	3633.1	3559.5	4232.3	5946.1	6414.4
45°	4672.3	4725.4	4715.1	4565.3	4335.0	4123.6	4074.8	4687.7	6476.0	7045.3
47.5°	4747.7	4796.4	4873.5	4894.0	4753.6	4545.6	4603.8	5236.5	7011.9	7677.1
50°	4561.9	4607.3	4767.3	4980.5	5078.1	5013.9	5118.3	5824.6	7560.6	8307.1
52.5°	4195.5	4241.7	4443.8	4781.0	5179.1	5381.1	5634.5	6404.1	8092.2	8903.8
55°	3665.6	3714.4	3973.8	4355.6	4986.5	5532.6	6065.1	6982.8	8579.3	9440.5
57.5°	2944.8	2980.8	3250.4	3784.6	4502.0	5382.0	6382.7	7614.6	9038.2	9967.8
60°	1919.3	1950.9	2264.3	2860.1	3699.0	4878.6	6446.1	8319.1	9647.7	10653.5
62.5°	1276.4	1297.8	1483.5	1921.0	2605.0	3912.1	6075.4	8881.5	10541.4	11846.9
65°	875.7	897.1	1082.9	1387.7	1683.0	2587.8	5009.6	8807.0	11351.2	12794.5
67.5°	624.9	642.9	800.4	1088.0	1218.2	1503.2	3395.9	7855.1	11234.8	12830.5
70°	447.7	458.0	588.1	847.5	968.2	903.1	1888.4	6007.8	9836.9	11847.7
72.5°	313.3	316.7	408.3	645.5	779.9	659.2	898.9	4005.5	7439.9	9299.3
75°	212.3	216.6	274.8	473.4	625.8	503.4	476.0	2147.8	4367.6	5147.4
77.5°	130.1	131.8	177.2	323.6	468.3	383.5	306.5	910.0	1689.8	1659.0
80°	73.6	73.6	113.0	201.2	319.3	247.4	214.9	386.9	535.0	470.0
82.5°	41.1	41.9	82.2	125.0	211.4	146.4	118.1	178.9	231.1	204.6
85°	17.1	18.8	50.5	59.1	101.0	72.8	47.9	75.3	85.6	76.2
87.5°	1.7	2.6	15.4	11.1	12.0	14.6	6.8	14.6	12.0	12.0
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°
1969.8	0°	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8	1969.8
1998.9	2.5°	1982.6	1969.8	1937.2	1899.6	1849.9	1826.0	1793.4	1771.2	1752.3	1754.0
2048.5	5°	2021.1	1988.6	1915.8	1825.1	1712.1	1631.6	1546.0	1487.0	1439.0	1428.7
2117.0	7.5°	2074.2	2022.8	1895.3	1731.8	1540.9	1396.2	1267.0	1183.9	1124.8	1106.0
2200.0	10°	2142.7	2068.2	1868.8	1614.5	1339.7	1155.7	1017.0	951.9	911.7	898.0
2297.6	12.5°	2222.3	2120.4	1833.7	1471.5	1132.6	955.4	867.2	834.6	821.8	817.5
2417.5	15°	2322.5	2185.5	1780.6	1302.1	957.1	832.9	795.3	791.0	792.7	791.0
2561.3	17.5°	2441.5	2256.5	1694.1	1127.4	838.9	770.4	756.7	760.2	764.5	763.6
2722.2	20°	2571.6	2326.7	1583.7	972.5	758.5	725.9	718.2	721.6	725.1	723.4
2908.0	22.5°	2719.7	2402.1	1461.3	851.8	704.5	684.8	676.3	677.1	677.1	673.7
3143.4	25°	2896.9	2485.1	1332.9	766.2	663.4	648.0	637.8	634.3	629.2	618.9
3429.3	27.5°	3108.3	2573.3	1209.6	706.2	630.9	616.4	604.4	595.8	583.0	565.8
3772.6	30°	3346.3	2680.3	1105.2	668.6	605.2	590.7	577.0	564.1	545.3	523.9
4167.3	32.5°	3626.2	2795.0	1029.0	643.7	582.1	566.7	550.4	535.0	514.5	493.1
4610.7	35°	3960.1	2933.7	984.5	626.6	564.1	543.6	525.6	508.5	493.1	474.3
5092.6	37.5°	4322.2	3080.9	970.8	618.1	552.2	520.5	499.9	487.9	486.2	475.1
5614.0	40°	4718.5	3255.6	981.0	612.9	539.3	498.2	476.0	473.4	477.7	458.0
6171.3	42.5°	5138.0	3462.7	998.2	606.9	521.3	476.0	454.6	454.6	451.1	423.7
6760.2	45°	5591.7	3701.6	1015.3	592.4	499.9	453.7	437.4	431.4	416.9	390.4
7352.6	47.5°	6048.8	3944.7	1028.1	565.8	474.3	434.9	420.3	406.6	385.2	361.3
7933.9	50°	6482.9	4163.0	1014.4	526.5	445.1	416.9	401.5	382.7	359.5	343.3
8484.3	52.5°	6870.7	4352.2	956.2	480.2	414.3	398.1	384.4	364.7	345.8	328.7
8980.8	55°	7207.9	4505.4	853.5	436.6	386.9	381.8	368.1	343.3	317.6	303.0
9473.0	57.5°	7531.5	4621.8	725.1	400.6	362.1	363.8	343.3	321.0	297.0	281.6
10136.5	60°	7962.1	4777.6	595.0	367.2	335.6	340.7	318.5	302.2	272.2	252.5
11274.2	62.5°	8650.4	5019.9	472.5	326.2	304.8	306.5	297.0	277.4	241.4	218.3
12117.4	65°	9196.5	4930.8	372.4	281.6	269.7	272.2	272.2	250.8	212.3	185.8
12162.8	67.5°	9134.9	4222.0	297.0	238.0	236.3	238.0	244.0	226.0	188.3	166.9
11236.5	70°	8415.0	3358.3	238.0	197.7	205.5	201.2	218.3	206.3	169.5	148.1
8711.2	72.5°	6866.4	2419.2	181.5	163.5	157.5	164.4	196.9	185.8	141.2	117.3
4614.1	75°	4012.3	1290.9	135.3	129.3	113.9	137.0	174.6	158.4	107.9	86.5
1414.2	77.5°	1306.3	450.3	99.3	95.0	84.7	110.4	149.0	133.5	88.2	68.5
414.3	80°	350.1	136.1	67.6	62.5	54.8	82.2	118.1	106.2	63.3	44.5
178.1	82.5°	140.4	57.4	39.4	35.1	30.0	56.5	93.3	85.6	47.1	28.2
55.6	85°	45.4	18.8	14.6	11.1	13.7	35.1	55.6	58.2	33.4	14.6
8.6	87.5°	6.0	2.6	2.6	3.4	2.6	6.0	17.1	16.3	9.4	1.7
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>
1969.8
1736.9
1405.6
1087.2
887.7
815.0
790.1
761.9
722.5
672.0
617.2
564.1
522.2
493.9
472.5
474.3
458.8
423.7
389.5
360.4
340.7
327.0
301.3
279.9
250.0
216.6
183.2
163.5
145.5
114.7
83.9
65.9
43.7
28.2
11.1
0.0
0.0

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