

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: P942264

Luminaire Tested: **GALN-SB6A-940-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942264
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-SB6A-940-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA 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: 14394 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

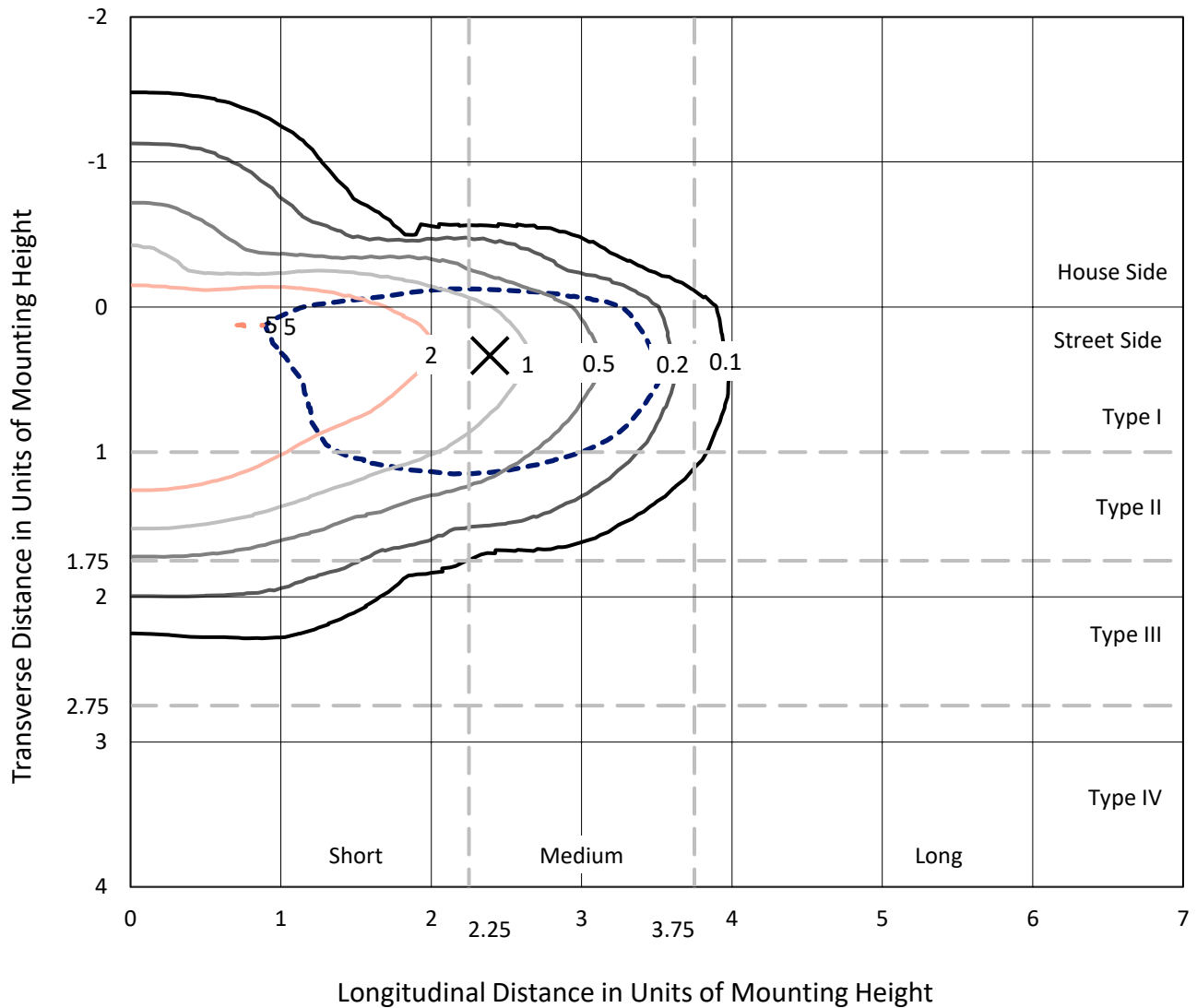
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

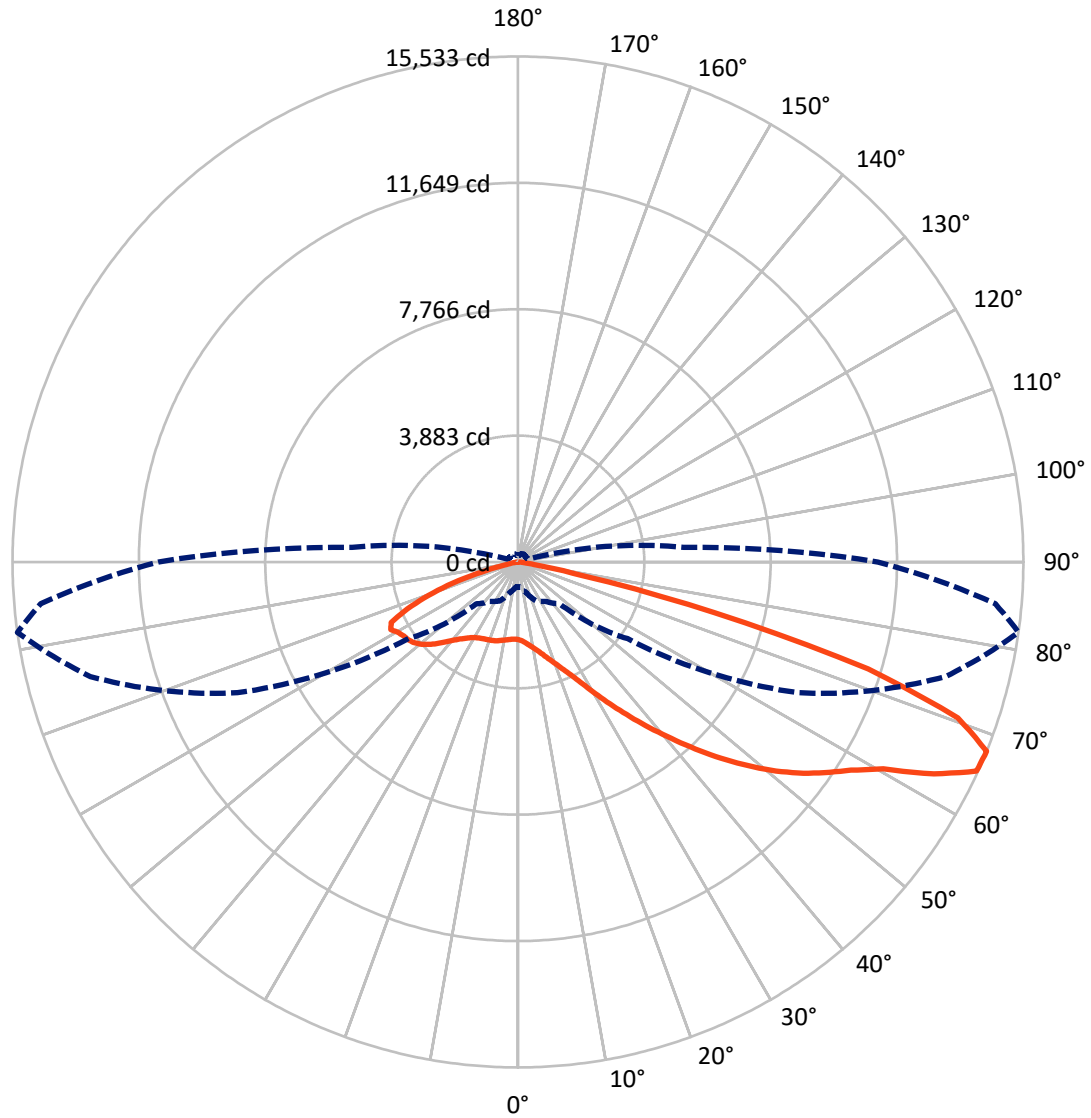
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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
House Side	Lumens	2607.4	0.0	2607.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11786.7	0.0	11786.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	14394.0	0.0	14394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	1.5
10°-20°	552.1	3.8
20°-30°	884.2	6.1
30°-40°	1563.6	10.9
40°-50°	2739.6	19.0
50°-60°	3653.9	25.4
60°-70°	3401.6	23.6
70°-80°	1305.5	9.1
80°-90°	81.1	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°	14394.0	100.0
0°-180°	14394.0	100.0

Coefficient of Utilization



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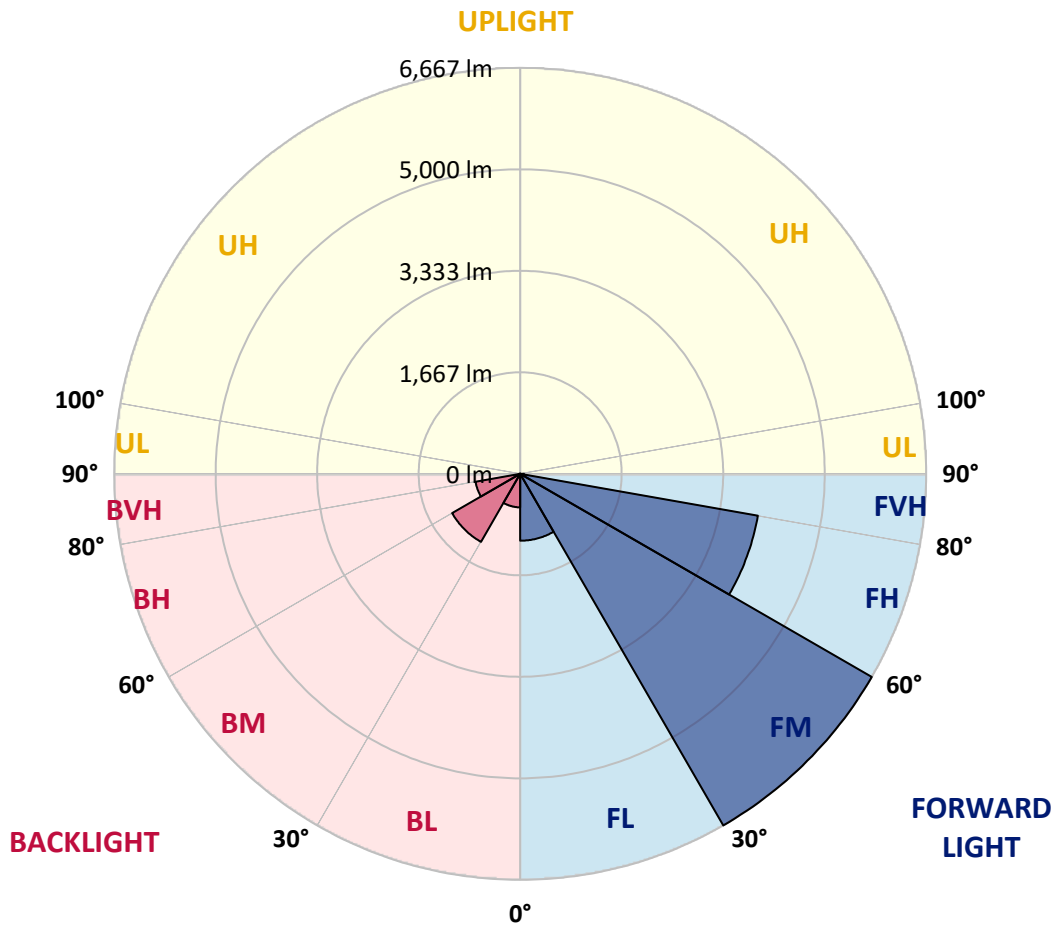
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1098.1	7.6			
FM (30°-60°)	6666.7	46.3			
FH (60°-80°)	3962.9	27.5			G2/5000
FVH (80°-90°)	59.0	0.4			G1/100
BL (0°-30°)	550.7	3.8	B2/1000		
BM (30°-60°)	1290.4	9.0	B2/2500		
BH (60°-80°)	744.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	22.1	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°	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6
2.5°	2520.4	2534.9	2526.6	2522.4	2515.2	2504.8	2496.5	2470.6	2443.7	2426.1
5°	2571.1	2585.6	2584.6	2588.8	2593.9	2597.0	2595.0	2566.0	2527.6	2497.6
7.5°	2527.6	2544.2	2557.7	2578.4	2614.7	2653.0	2671.7	2665.4	2626.1	2584.6
10°	2404.3	2421.9	2454.0	2502.7	2579.4	2662.3	2731.8	2763.9	2739.0	2693.4
12.5°	2178.4	2196.0	2259.2	2364.9	2493.4	2637.5	2770.1	2856.1	2862.3	2816.7
15°	1924.5	1942.1	2009.4	2142.1	2338.0	2569.1	2790.8	2953.5	3008.5	2969.1
17.5°	1766.9	1782.5	1833.3	1940.0	2144.2	2432.3	2783.6	3057.2	3182.6	3151.5
20°	1719.3	1732.7	1756.6	1831.2	2001.2	2290.3	2735.9	3154.6	3370.1	3352.5
22.5°	1770.1	1782.5	1789.7	1822.9	1929.6	2197.0	2675.8	3254.1	3587.8	3589.9
25°	1887.2	1899.6	1891.3	1912.0	1958.7	2168.0	2653.0	3371.2	3861.4	3884.2
27.5°	2079.9	2081.0	2061.3	2060.2	2067.5	2211.5	2676.8	3496.6	4206.5	4249.0
30°	2466.5	2450.9	2375.3	2293.4	2256.1	2342.1	2743.2	3644.8	4613.7	4689.4
32.5°	3062.4	3039.6	2900.7	2704.8	2507.9	2552.5	2862.3	3813.7	5057.3	5194.1
35°	3709.0	3702.8	3557.7	3266.5	2922.5	2852.0	3056.1	4035.5	5541.3	5758.9
37.5°	4310.1	4307.0	4224.1	3881.1	3462.4	3269.6	3367.0	4325.6	6059.4	6374.5
40°	4859.4	4868.7	4785.8	4479.0	4057.2	3805.4	3789.9	4684.2	6635.6	7045.0
42.5°	5334.0	5344.4	5260.4	5033.5	4644.8	4398.2	4309.1	5123.6	7198.4	7765.2
45°	5656.3	5720.5	5708.1	5526.8	5248.0	4992.0	4932.9	5675.0	7839.8	8529.0
47.5°	5747.5	5806.6	5899.8	5924.7	5754.7	5502.9	5573.4	6339.2	8488.6	9293.8
50°	5522.6	5577.5	5771.3	6029.4	6147.5	6069.8	6196.2	7051.2	9152.9	10056.6
52.5°	5079.1	5135.0	5379.6	5787.9	6269.8	6514.4	6821.1	7752.8	9796.4	10778.9
55°	4437.6	4496.6	4810.7	5272.9	6036.6	6697.8	7342.4	8453.4	10386.1	11428.7
57.5°	3565.0	3608.5	3935.0	4581.6	5450.1	6515.4	7726.9	9218.2	10941.6	12067.0
60°	2323.5	2361.8	2741.1	3462.4	4478.0	5906.1	7803.6	10071.1	11679.5	12897.1
62.5°	1545.2	1571.1	1796.0	2325.5	3153.6	4736.0	7354.8	10751.9	12761.4	14341.8
65°	1060.2	1086.1	1311.0	1679.9	2037.4	3132.8	6064.6	10661.8	13741.8	15489.0
67.5°	756.5	778.3	969.0	1317.2	1474.7	1819.8	4111.1	9509.4	13600.8	15532.5
70°	542.0	554.4	712.0	1026.0	1172.1	1093.3	2286.1	7273.0	11908.5	14342.8
72.5°	379.3	383.4	494.3	781.4	944.1	798.0	1088.1	4849.0	9006.8	11257.7
75°	257.0	262.2	332.7	573.1	757.6	609.4	576.2	2600.2	5287.4	6231.5
77.5°	157.5	159.6	214.5	391.7	566.9	464.3	371.0	1101.6	2045.7	2008.4
80°	89.1	89.1	136.8	243.5	386.6	299.5	260.1	468.4	647.7	568.9
82.5°	49.7	50.8	99.5	151.3	256.0	177.2	143.0	216.6	279.8	247.7
85°	20.7	22.8	61.1	71.5	122.3	88.1	58.0	91.2	103.6	92.2
87.5°	2.1	3.1	18.7	13.5	14.5	17.6	8.3	17.6	14.5	14.5
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°
2384.6	0°	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6	2384.6
2419.8	2.5°	2400.1	2384.6	2345.2	2299.6	2239.5	2210.5	2171.1	2144.2	2121.4	2123.4
2479.9	5°	2446.8	2407.4	2319.3	2209.5	2072.7	1975.2	1871.6	1800.1	1742.1	1729.6
2562.8	7.5°	2511.0	2448.9	2294.4	2096.5	1865.4	1690.3	1533.8	1433.2	1361.7	1338.9
2663.4	10°	2593.9	2503.8	2262.3	1954.5	1621.9	1399.0	1231.2	1152.4	1103.7	1087.1
2781.5	12.5°	2690.3	2567.0	2219.8	1781.5	1371.1	1156.5	1049.8	1010.4	994.9	989.7
2926.6	15°	2811.6	2645.8	2155.6	1576.3	1158.6	1008.4	962.8	957.6	959.6	957.6
3100.7	17.5°	2955.6	2731.8	2050.9	1364.8	1015.6	932.7	916.1	920.3	925.4	924.4
3295.5	20°	3113.1	2816.7	1917.2	1177.3	918.2	878.8	869.5	873.6	877.8	875.7
3520.4	22.5°	3292.4	2907.9	1769.0	1031.1	852.9	829.1	818.7	819.7	819.7	815.6
3805.4	25°	3506.9	3008.5	1613.6	927.5	803.2	784.5	772.1	767.9	761.7	749.3
4151.5	27.5°	3762.9	3115.2	1464.3	855.0	763.8	746.2	731.7	721.3	705.7	685.0
4567.1	30°	4051.0	3244.8	1337.9	809.4	732.7	715.1	698.5	682.9	660.1	634.2
5044.9	32.5°	4389.9	3383.6	1245.7	779.3	704.7	686.1	666.4	647.7	622.8	596.9
5581.7	35°	4794.1	3551.5	1191.8	758.6	682.9	658.1	636.3	615.6	596.9	574.1
6165.1	37.5°	5232.4	3729.8	1175.2	748.2	668.4	630.1	605.2	590.7	588.6	575.2
6796.3	40°	5712.3	3941.2	1187.6	742.0	652.9	603.1	576.2	573.1	578.3	554.4
7470.9	42.5°	6220.1	4192.0	1208.4	734.8	631.1	576.2	550.3	550.3	546.1	513.0
8183.9	45°	6769.3	4481.1	1229.1	717.1	605.2	549.3	529.6	522.3	504.7	472.6
8901.1	47.5°	7322.7	4775.4	1244.6	685.0	574.1	526.5	508.8	492.3	466.3	437.3
9604.7	50°	7848.1	5039.7	1228.1	637.3	538.9	504.7	486.0	463.2	435.3	415.6
10271.1	52.5°	8317.6	5268.7	1157.6	581.4	501.6	481.9	465.3	441.5	418.7	398.0
10872.2	55°	8725.9	5454.2	1033.2	528.5	468.4	462.2	445.6	415.6	384.5	366.9
11468.0	57.5°	9117.6	5595.2	877.8	485.0	438.4	440.4	415.6	388.6	359.6	341.0
12271.2	60°	9638.9	5783.8	720.3	444.6	406.2	412.5	385.5	365.8	329.6	305.7
13648.5	62.5°	10472.1	6077.0	572.1	394.8	368.9	371.0	359.6	335.8	292.2	264.3
14669.3	65°	11133.3	5969.3	450.8	341.0	326.4	329.6	329.6	303.6	257.0	224.9
14724.2	67.5°	11058.7	5111.2	359.6	288.1	286.0	288.1	295.4	273.6	228.0	202.1
13602.9	70°	10187.1	4065.5	288.1	239.4	248.7	243.5	264.3	249.8	205.2	179.3
10545.7	72.5°	8312.4	2928.7	219.7	197.9	190.7	199.0	238.4	224.9	171.0	142.0
5585.8	75°	4857.3	1562.8	163.7	156.5	137.8	165.8	211.4	191.7	130.6	104.7
1712.0	77.5°	1581.4	545.1	120.2	115.0	102.6	133.7	180.3	161.7	106.7	82.9
501.6	80°	423.9	164.8	81.9	75.7	66.3	99.5	143.0	128.5	76.7	53.9
215.6	82.5°	170.0	69.4	47.7	42.5	36.3	68.4	113.0	103.6	57.0	34.2
67.4	85°	54.9	22.8	17.6	13.5	16.6	42.5	67.4	70.5	40.4	17.6
10.4	87.5°	7.3	3.1	3.1	4.1	3.1	7.3	20.7	19.7	11.4	2.1
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>
2384.6
2102.7
1701.7
1316.1
1074.7
986.6
956.5
922.3
874.7
813.5
747.2
682.9
632.2
598.0
572.1
574.1
555.5
513.0
471.5
436.3
412.5
395.9
364.8
338.9
302.6
262.2
221.8
197.9
176.2
138.9
101.6
79.8
52.9
34.2
13.5
0.0
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