

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: P948660

Luminaire Tested: **GALN-SB3C-927-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948660  
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-SB3C-927-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

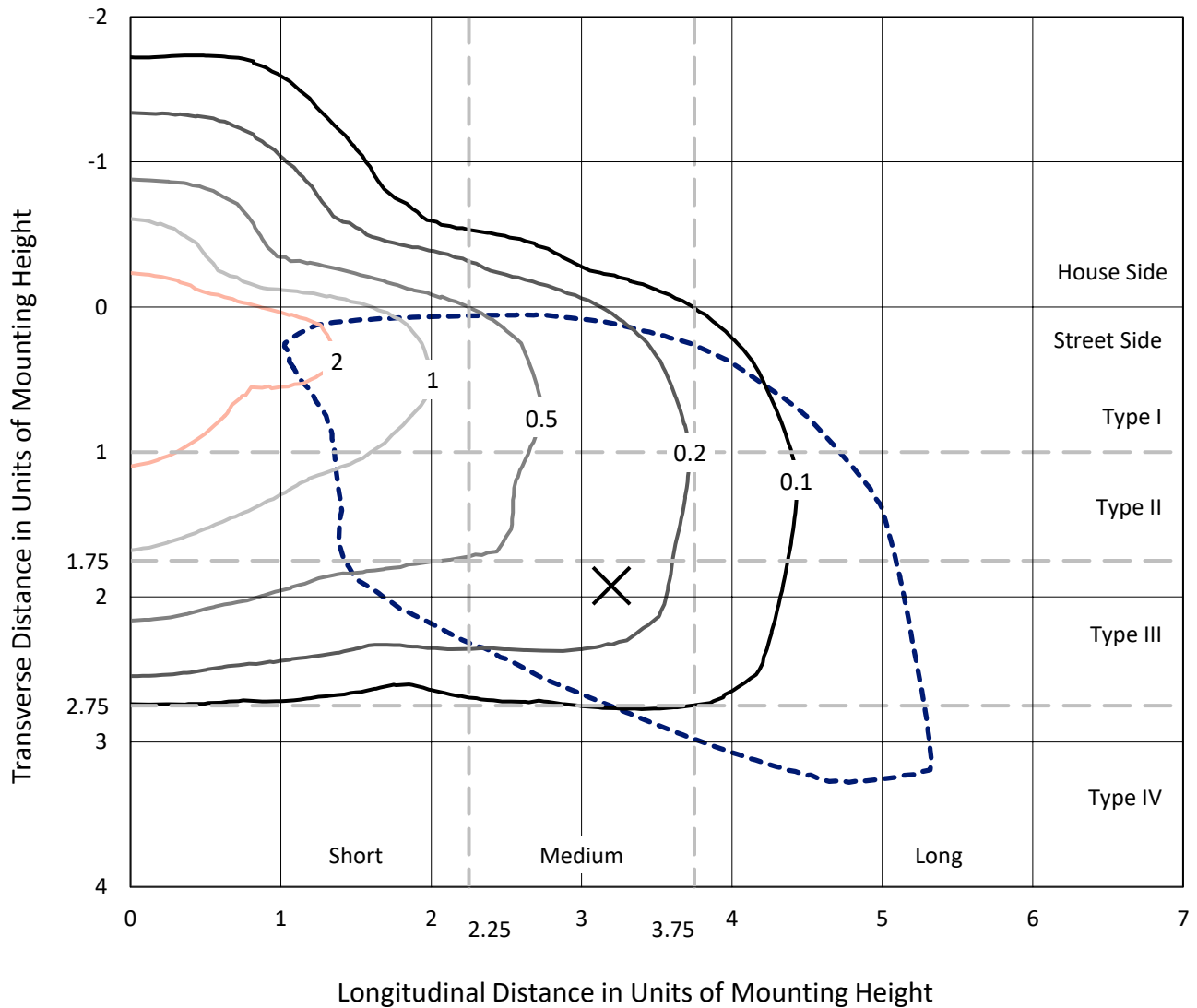
Lumens per Lamp: N/A  
Luminaire Lumens: 13367 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

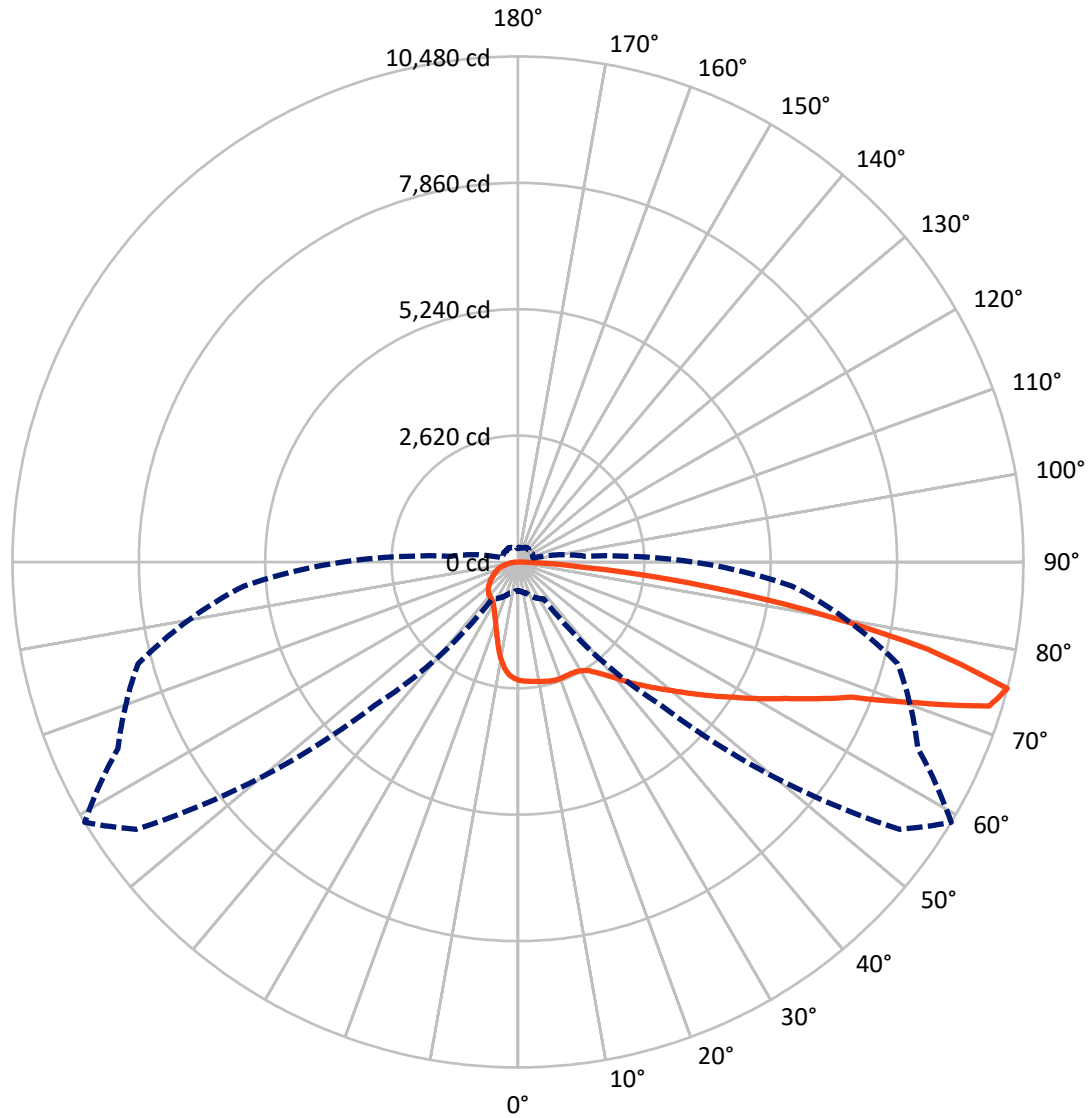
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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
<b>House Side</b>	Lumens	2507.1	0.0	2507.1
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	10859.9	0.0	10859.9
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	13367.0	0.0	13367.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.0	1.6
10°-20°	562.3	4.2
20°-30°	854.1	6.4
30°-40°	1269.6	9.5
40°-50°	1888.2	14.1
50°-60°	2562.9	19.2
60°-70°	3128.9	23.4
70°-80°	2455.5	18.4
80°-90°	425.4	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°	13367.0	100.0
0°-180°	13367.0	100.0



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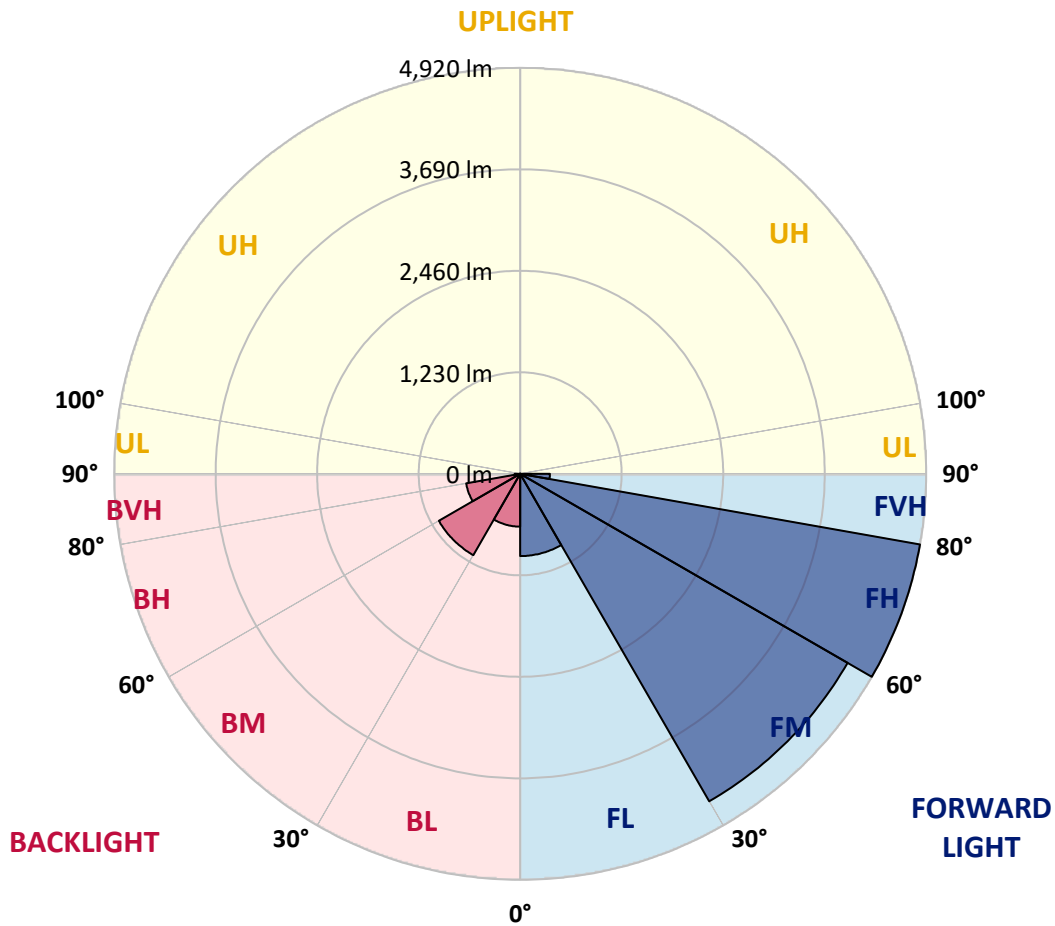
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.7	7.5			
FM (30°-60°)	4582.8	34.3			
FH (60°-80°)	4920.3	36.8			G2/5000
FVH (80°-90°)	360.2	2.7			G3/500
BL (0°-30°)	639.8	4.8	B2/1000		
BM (30°-60°)	1138.0	8.5	B2/2500		
BH (60°-80°)	664.2	5.0	B2/1000		G2/1000
BVH (80°-90°)	65.1	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°	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5
2.5°	2474.3	2465.7	2474.3	2470.7	2469.3	2466.4	2467.1	2472.2	2469.3	2472.9
5°	2457.8	2452.8	2461.4	2459.2	2468.6	2470.0	2479.4	2485.1	2488.7	2489.4
7.5°	2430.5	2425.4	2437.7	2447.7	2467.9	2473.6	2493.0	2502.4	2507.4	2516.0
10°	2330.5	2328.4	2358.6	2396.7	2444.1	2473.6	2503.1	2518.9	2526.8	2549.8
12.5°	2153.6	2156.5	2196.1	2269.4	2364.3	2459.2	2514.6	2537.6	2549.8	2578.6
15°	1984.6	1983.9	2027.1	2105.5	2238.5	2396.0	2520.4	2559.9	2580.8	2623.2
17.5°	1886.9	1884.0	1914.2	1973.9	2097.5	2298.9	2506.0	2572.1	2616.7	2669.9
20°	1868.9	1863.1	1878.9	1908.4	1996.2	2192.5	2468.6	2572.1	2645.5	2714.5
22.5°	1934.3	1925.0	1918.5	1914.9	1953.7	2104.7	2426.2	2563.5	2687.9	2778.5
25°	2065.9	2051.5	2018.4	1986.1	1974.6	2065.2	2388.8	2561.3	2751.2	2864.8
27.5°	2278.7	2260.8	2193.9	2116.2	2046.5	2085.3	2372.2	2574.3	2820.9	2956.1
30°	2542.6	2523.2	2439.1	2319.7	2194.6	2160.1	2393.1	2612.4	2910.1	3077.6
32.5°	2779.2	2757.7	2685.7	2564.2	2395.2	2289.5	2459.2	2685.0	3050.3	3246.6
35°	2989.2	2964.0	2899.3	2787.1	2641.2	2471.5	2578.6	2813.7	3249.5	3521.3
37.5°	3194.8	3165.4	3094.9	2976.3	2874.1	2713.8	2743.3	2979.1	3514.1	3855.0
40°	3425.0	3382.5	3297.0	3179.7	3080.5	2997.8	2959.7	3181.9	3783.1	4227.4
42.5°	3647.9	3607.6	3505.5	3405.5	3281.1	3257.4	3210.7	3419.2	4077.2	4636.6
45°	3888.0	3839.9	3716.2	3589.6	3511.2	3430.0	3453.7	3656.5	4365.5	5053.7
47.5°	4113.1	4059.2	3913.2	3772.3	3729.1	3575.2	3676.6	3917.5	4665.4	5476.5
50°	4234.6	4181.4	4059.9	3932.6	3898.8	3754.3	3918.2	4204.4	4979.6	5897.9
52.5°	4336.0	4278.5	4119.6	4049.1	4039.0	3949.2	4215.9	4532.3	5293.8	6270.3
55°	4443.9	4379.9	4177.1	4113.8	4159.8	4167.8	4569.0	4904.1	5626.0	6633.5
57.5°	4568.3	4487.0	4232.5	4168.5	4277.8	4423.7	4974.6	5289.5	5952.5	6970.0
60°	4685.5	4603.5	4338.9	4255.5	4405.1	4720.7	5439.8	5756.2	6322.1	7269.8
62.5°	4708.5	4640.9	4423.7	4423.0	4577.6	5067.3	5990.6	6227.2	6645.0	7566.1
65°	4310.1	4267.7	4139.0	4416.6	4825.0	5566.4	6604.0	6829.8	7055.6	7825.0
67.5°	3280.4	3286.2	3276.8	3812.5	4625.1	6283.3	7492.0	7474.8	7562.5	8115.5
70°	1500.0	1533.8	1753.8	2631.8	3705.4	6366.0	8960.4	8736.8	8198.9	8491.6
72.5°	810.4	836.3	926.2	1274.9	2227.7	5659.8	10057.7	10216.6	9045.2	8744.7
75°	594.7	609.1	671.6	810.4	935.5	4206.6	9664.4	10479.8	9150.9	8154.3
77.5°	445.1	451.6	502.6	642.1	478.9	2217.6	7722.1	8679.2	7833.6	6699.6
80°	322.9	330.1	368.2	481.8	335.8	811.1	5302.5	6092.0	5365.0	4270.6
82.5°	222.9	225.8	242.3	327.9	234.4	315.0	3008.6	3572.4	2994.9	1498.6
85°	134.5	138.1	145.3	191.3	133.0	149.6	1298.6	1343.2	895.2	358.1
87.5°	55.4	59.0	64.7	80.5	52.5	41.7	214.3	268.9	167.5	105.0
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°
2453.5	0°	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5	2453.5
2460.7	2.5°	2457.1	2452.0	2438.4	2419.7	2402.4	2380.9	2371.5	2363.6	2356.4	2342.7
2480.1	5°	2472.2	2458.5	2421.8	2374.4	2320.5	2261.5	2204.0	2164.4	2130.6	2105.5
2502.4	7.5°	2495.2	2469.3	2402.4	2305.4	2181.7	2055.1	1940.8	1859.5	1798.4	1776.1
2534.0	10°	2518.9	2488.0	2371.5	2200.4	1986.8	1791.9	1640.2	1556.8	1507.9	1492.1
2571.4	12.5°	2547.0	2501.7	2323.3	2054.4	1768.9	1555.4	1423.0	1374.2	1349.0	1340.4
2617.4	15°	2588.0	2513.2	2250.7	1871.8	1561.1	1382.8	1297.2	1263.4	1250.5	1249.8
2664.9	17.5°	2618.9	2515.3	2137.8	1676.2	1401.5	1278.5	1208.0	1195.1	1203.7	1216.7
2711.6	20°	2653.4	2495.9	1989.7	1497.8	1289.3	1187.2	1157.7	1166.3	1187.2	1205.9
2773.5	22.5°	2677.8	2460.7	1810.6	1359.1	1192.2	1134.7	1133.3	1151.2	1162.7	1172.1
2846.1	25°	2699.4	2401.0	1620.8	1242.6	1112.4	1103.1	1118.9	1113.1	1105.2	1113.1
2918.7	27.5°	2715.2	2306.8	1451.1	1140.5	1056.3	1081.5	1072.1	1059.2	1058.5	1062.8
3004.3	30°	2710.2	2181.0	1311.6	1043.4	1016.8	1041.2	1018.9	1016.8	1014.6	1016.8
3133.0	32.5°	2710.2	2037.9	1204.5	976.5	991.6	982.3	980.1	975.1	966.4	965.7
3307.7	35°	2725.3	1894.8	1112.4	940.5	970.8	948.5	949.9	937.7	919.7	911.1
3539.3	37.5°	2756.2	1779.7	1021.1	923.3	934.1	933.4	927.6	906.8	875.1	847.8
3828.4	40°	2831.0	1745.9	958.5	915.4	916.8	925.4	910.3	870.1	798.2	753.6
4121.7	42.5°	2948.2	1802.7	944.9	896.0	905.3	913.9	884.5	791.0	739.9	713.3
4429.5	45°	3097.1	1902.0	974.3	867.9	878.0	893.1	805.4	760.8	737.8	738.5
4734.4	47.5°	3285.5	2006.2	1029.0	843.5	838.4	847.1	752.9	725.5	693.9	701.8
5027.1	50°	3503.3	2111.9	1080.8	810.4	794.6	766.5	719.1	693.2	652.9	634.2
5309.6	52.5°	3739.2	2214.0	1101.6	770.1	747.1	714.8	696.1	664.4	615.5	584.6
5576.4	55°	3962.8	2306.8	1078.6	722.0	699.7	674.5	671.6	652.2	599.7	556.6
5813.7	57.5°	4174.2	2384.5	1021.1	673.1	651.5	636.4	655.8	646.4	580.3	524.9
6038.1	60°	4353.3	2437.7	937.7	623.4	608.3	600.4	629.9	627.0	553.0	491.1
6239.4	62.5°	4495.7	2458.5	845.6	576.0	572.4	558.0	594.0	594.0	518.5	458.1
6416.3	65°	4607.1	2438.4	752.2	529.2	536.4	514.9	550.1	545.8	481.8	428.6
6619.8	67.5°	4705.6	2372.2	648.6	483.2	499.8	472.4	504.1	494.0	441.5	399.1
6796.0	70°	4749.5	2218.3	530.7	437.2	457.3	430.7	458.1	439.4	396.2	367.4
6602.5	72.5°	4397.1	1843.7	417.8	389.0	406.3	384.7	408.4	386.9	347.3	334.4
5701.5	75°	3637.8	1383.5	321.4	336.5	349.5	332.9	348.8	332.9	297.0	306.3
4211.6	77.5°	2641.9	934.1	245.9	281.2	286.9	278.3	291.9	274.0	241.6	239.5
2099.0	80°	1313.7	547.2	192.7	222.2	220.0	214.3	230.1	221.5	194.2	205.7
566.6	82.5°	380.4	234.4	140.2	156.0	151.7	153.2	164.7	169.0	253.1	251.0
176.2	85°	119.4	92.0	84.1	87.0	82.7	84.9	97.1	192.7	178.3	104.3
54.6	87.5°	30.9	31.6	20.9	22.3	23.0	27.3	30.9	117.2	56.1	36.7
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>
2453.5
2336.3
2084.6
1737.3
1467.6
1342.5
1252.6
1221.7
1212.4
1177.1
1118.2
1070.0
1024.7
975.1
919.7
857.1
759.3
713.3
742.1
722.0
639.3
583.9
556.6
522.0
489.0
455.9
425.7
396.2
361.7
323.6
279.7
228.7
203.5
256.7
112.9
38.8
0.0

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