

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: P948744

Luminaire Tested: **GALN-SB3C-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948744
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-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 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: 15277 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

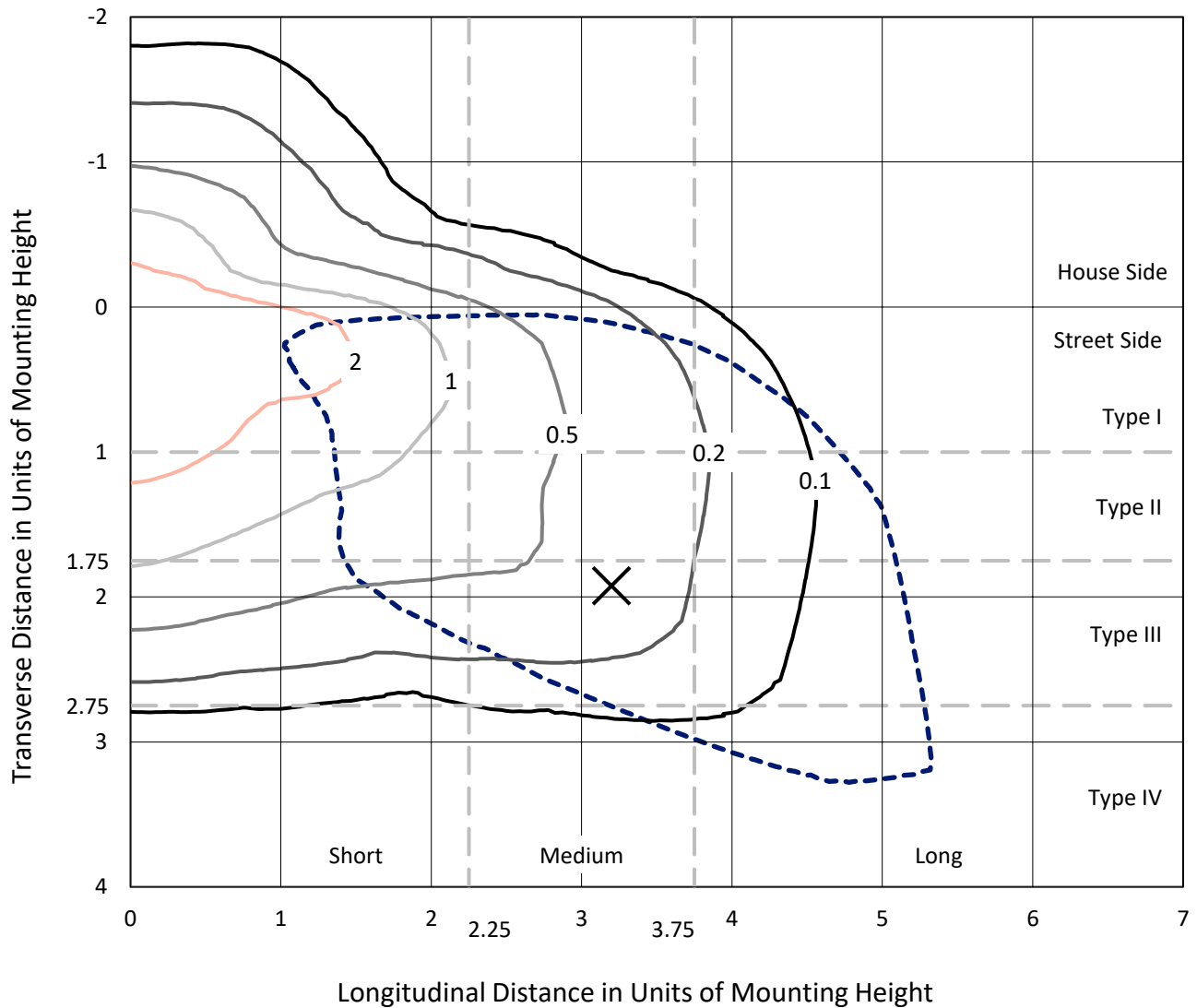
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

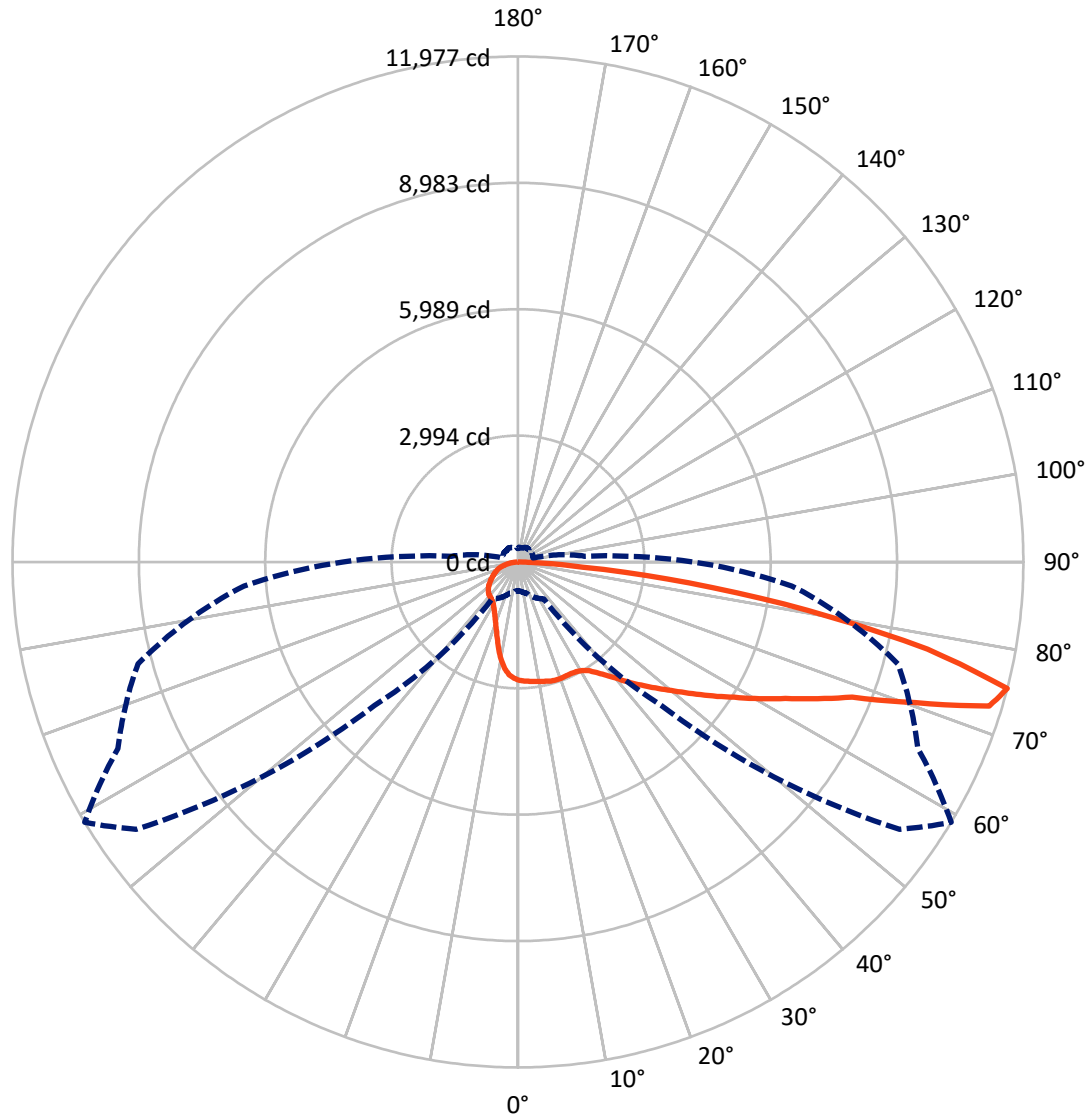
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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
House Side	Lumens	2865.3	0.0	2865.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	12411.7	0.0	12411.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	15277.0	0.0	15277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	1.6
10°-20°	642.7	4.2
20°-30°	976.2	6.4
30°-40°	1451.0	9.5
40°-50°	2158.0	14.1
50°-60°	2929.2	19.2
60°-70°	3576.0	23.4
70°-80°	2806.4	18.4
80°-90°	486.1	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°	15277.0	100.0
0°-180°	15277.0	100.0

Coefficient of Utilization



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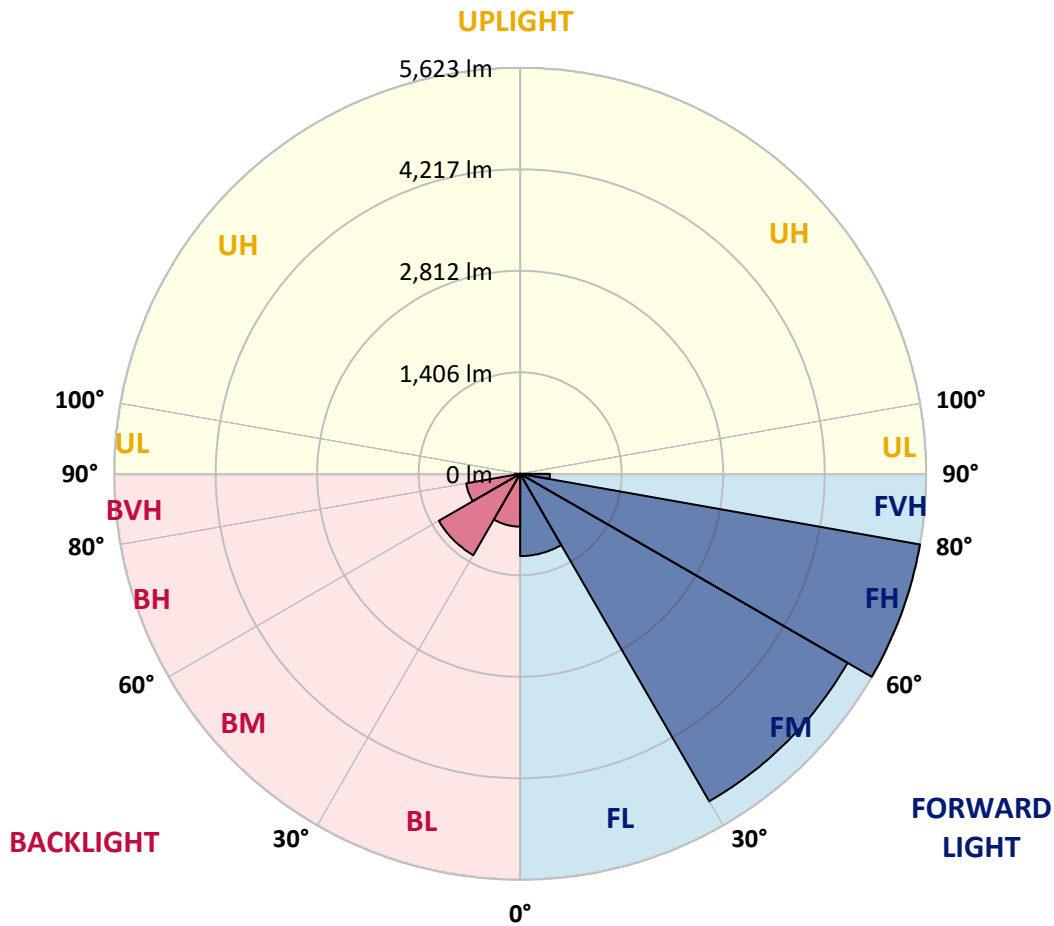
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1139.1	7.5			
FM (30°-60°)	5237.6	34.3			
FH (60°-80°)	5623.3	36.8			G3/7500
FVH (80°-90°)	411.7	2.7			G3/500
BL (0°-30°)	731.2	4.8	B2/1000		
BM (30°-60°)	1300.6	8.5	B2/2500		
BH (60°-80°)	759.1	5.0	B2/1000		G2/1000
BVH (80°-90°)	74.4	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°	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1
2.5°	2827.9	2818.0	2827.9	2823.8	2822.1	2818.9	2819.7	2825.4	2822.1	2826.2
5°	2809.0	2803.2	2813.1	2810.6	2821.3	2823.0	2833.6	2840.2	2844.3	2845.2
7.5°	2777.8	2772.0	2786.0	2797.5	2820.5	2827.1	2849.3	2859.9	2865.7	2875.6
10°	2663.5	2661.1	2695.6	2739.1	2793.4	2827.1	2860.8	2878.8	2887.9	2914.2
12.5°	2461.4	2464.6	2509.8	2593.7	2702.2	2810.6	2873.9	2900.2	2914.2	2947.1
15°	2268.2	2267.4	2316.7	2406.3	2558.3	2738.3	2880.5	2925.7	2949.5	2998.0
17.5°	2156.5	2153.2	2187.7	2255.9	2397.3	2627.4	2864.1	2939.7	2990.6	3051.4
20°	2135.9	2129.3	2147.4	2181.1	2281.4	2505.7	2821.3	2939.7	3023.5	3102.4
22.5°	2210.7	2200.0	2192.6	2188.5	2232.9	2405.5	2772.8	2929.8	3072.0	3175.5
25°	2361.1	2344.7	2306.9	2269.9	2256.7	2360.3	2730.1	2927.3	3144.3	3274.1
27.5°	2604.4	2583.8	2507.4	2418.6	2338.9	2383.3	2711.2	2942.1	3224.0	3378.5
30°	2906.0	2883.8	2787.6	2651.2	2508.2	2468.8	2735.0	2985.7	3325.9	3517.4
32.5°	3176.3	3151.7	3069.5	2930.6	2737.5	2616.7	2810.6	3068.7	3486.2	3710.5
35°	3416.3	3387.6	3313.6	3185.4	3018.6	2824.6	2947.1	3215.8	3713.8	4024.5
37.5°	3651.4	3617.7	3537.1	3401.5	3284.8	3101.6	3135.3	3404.8	4016.2	4405.8
40°	3914.3	3865.9	3768.1	3634.1	3520.7	3426.2	3382.6	3636.6	4323.6	4831.5
42.5°	4169.1	4123.1	4006.4	3892.2	3750.0	3722.9	3669.4	3907.8	4659.7	5299.1
45°	4443.6	4388.5	4247.2	4102.5	4013.0	3920.1	3947.2	4179.0	4989.3	5775.8
47.5°	4700.8	4639.2	4472.4	4311.3	4262.0	4086.1	4202.0	4477.3	5332.0	6259.0
50°	4839.7	4778.9	4640.0	4494.5	4455.9	4290.7	4478.1	4805.2	5691.1	6740.6
52.5°	4955.6	4889.8	4708.2	4627.7	4616.2	4513.5	4818.3	5179.9	6050.3	7166.3
55°	5078.9	5005.7	4774.0	4701.6	4754.2	4763.3	5221.9	5604.8	6429.9	7581.3
57.5°	5221.0	5128.2	4837.2	4764.1	4889.0	5055.9	5685.4	6045.3	6803.0	7965.9
60°	5355.0	5261.3	4958.9	4863.5	5034.5	5395.3	6217.1	6578.7	7225.5	8308.6
62.5°	5381.3	5304.0	5055.9	5055.0	5231.7	5791.4	6846.6	7117.0	7594.5	8647.2
65°	4926.0	4877.5	4730.4	5047.6	5514.4	6361.7	7547.6	7805.7	8063.7	8943.1
67.5°	3749.2	3755.7	3745.0	4357.3	5286.0	7181.1	8562.6	8542.8	8643.1	9275.1
70°	1714.3	1752.9	2004.4	3007.9	4234.9	7275.6	10240.7	9985.1	9370.4	9704.9
72.5°	926.2	955.8	1058.5	1457.1	2546.0	6468.6	11494.8	11676.5	10337.7	9994.2
75°	679.6	696.1	767.6	926.2	1069.2	4807.7	11045.3	11977.2	10458.5	9319.5
77.5°	508.7	516.1	574.5	733.9	547.3	2534.5	8825.6	9919.4	8952.9	7656.9
80°	369.0	377.2	420.8	550.6	383.8	927.0	6060.1	6962.5	6131.6	4880.8
82.5°	254.8	258.1	277.0	374.8	267.9	360.0	3438.5	4082.8	3422.9	1712.7
85°	153.7	157.8	166.0	218.6	152.0	170.9	1484.2	1535.2	1023.2	409.3
87.5°	63.3	67.4	74.0	92.0	60.0	47.7	244.9	307.4	191.5	120.0
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°
2804.1	0°	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1	2804.1
2812.3	2.5°	2808.2	2802.4	2786.8	2765.4	2745.7	2721.1	2710.4	2701.3	2693.1	2677.5
2834.5	5°	2825.4	2809.8	2767.9	2713.7	2652.0	2584.6	2518.9	2473.7	2435.1	2406.3
2859.9	7.5°	2851.7	2822.1	2745.7	2634.8	2493.4	2348.8	2218.1	2125.2	2055.4	2029.9
2896.1	10°	2878.8	2843.5	2710.4	2514.8	2270.7	2048.0	1874.6	1779.2	1723.4	1705.3
2938.8	12.5°	2910.9	2859.1	2655.3	2347.9	2021.7	1777.6	1626.4	1570.5	1541.7	1531.9
2991.4	15°	2957.7	2872.3	2572.3	2139.2	1784.2	1580.4	1482.6	1443.9	1429.1	1428.3
3045.7	17.5°	2993.1	2874.7	2443.3	1915.7	1601.7	1461.2	1380.7	1365.9	1375.7	1390.5
3099.1	20°	3032.5	2852.5	2274.0	1711.9	1473.5	1356.8	1323.1	1333.0	1356.8	1378.2
3169.8	22.5°	3060.5	2812.3	2069.3	1553.2	1362.6	1296.8	1295.2	1315.7	1328.9	1339.6
3252.8	25°	3085.1	2744.1	1852.4	1420.1	1271.4	1260.7	1278.8	1272.2	1263.1	1272.2
3335.8	27.5°	3103.2	2636.4	1658.4	1303.4	1207.3	1236.0	1225.3	1210.5	1209.7	1214.7
3433.6	30°	3097.5	2492.6	1499.0	1192.5	1162.1	1190.0	1164.5	1162.1	1159.6	1162.1
3580.7	32.5°	3097.5	2329.0	1376.6	1116.0	1133.3	1122.6	1120.1	1114.4	1104.5	1103.7
3780.4	35°	3114.7	2165.5	1271.4	1074.9	1109.5	1084.0	1085.6	1071.7	1051.1	1041.2
4045.0	37.5°	3150.0	2034.0	1167.0	1055.2	1067.5	1066.7	1060.2	1036.3	1000.2	968.9
4375.4	40°	3235.5	1995.4	1095.5	1046.2	1047.8	1057.7	1040.4	994.4	912.2	861.3
4710.7	42.5°	3369.5	2060.3	1079.9	1024.0	1034.7	1044.5	1010.8	904.0	845.7	815.2
5062.4	45°	3539.6	2173.7	1113.6	991.9	1003.4	1020.7	920.4	869.5	843.2	844.0
5410.9	47.5°	3754.9	2292.9	1176.0	964.0	958.2	968.1	860.4	829.2	793.1	802.1
5745.4	50°	4003.9	2413.7	1235.2	926.2	908.1	876.1	821.8	792.2	746.2	724.8
6068.3	52.5°	4273.5	2530.4	1259.0	880.2	853.9	816.9	795.5	759.4	703.5	668.1
6373.2	55°	4529.1	2636.4	1232.7	825.1	799.6	770.9	767.6	745.4	685.4	636.1
6644.4	57.5°	4770.7	2725.2	1167.0	769.2	744.6	727.3	749.5	738.8	663.2	599.9
6900.8	60°	4975.3	2786.0	1071.7	712.5	695.3	686.2	719.9	716.6	632.0	561.3
7131.0	62.5°	5138.0	2809.8	966.5	658.3	654.2	637.7	678.8	678.8	592.5	523.5
7333.1	65°	5265.4	2786.8	859.6	604.9	613.1	588.4	628.7	623.8	550.6	489.8
7565.7	67.5°	5378.0	2711.2	741.3	552.3	571.2	539.9	576.1	564.6	504.6	456.1
7767.0	70°	5428.1	2535.3	606.5	499.7	522.7	492.3	523.5	502.1	452.8	420.0
7546.0	72.5°	5025.4	2107.2	477.5	444.6	464.3	439.7	466.8	442.1	396.9	382.1
6516.2	75°	4157.6	1581.2	367.4	384.6	399.4	380.5	398.6	380.5	339.4	350.1
4813.4	77.5°	3019.4	1067.5	281.1	321.3	327.9	318.0	333.7	313.1	276.1	273.7
2398.9	80°	1501.5	625.4	220.2	253.9	251.5	244.9	263.0	253.1	221.9	235.0
647.6	82.5°	434.7	267.9	160.3	178.3	173.4	175.0	188.2	193.1	289.3	286.8
201.3	85°	136.4	105.2	96.2	99.4	94.5	97.0	110.9	220.2	203.8	119.2
62.5	87.5°	35.3	36.2	23.8	25.5	26.3	31.2	35.3	134.0	64.1	41.9
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>
2804.1
2670.1
2382.5
1985.5
1677.3
1534.3
1431.6
1396.3
1385.6
1345.3
1277.9
1222.9
1171.1
1114.4
1051.1
979.6
867.8
815.2
848.1
825.1
730.6
667.3
636.1
596.6
558.8
521.0
486.5
452.8
413.4
369.8
319.7
261.3
232.6
293.4
129.0
44.4
0.0

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