

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: P942434

Luminaire Tested: **GALN-SB6B-940-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942434  
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-SB6B-940-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

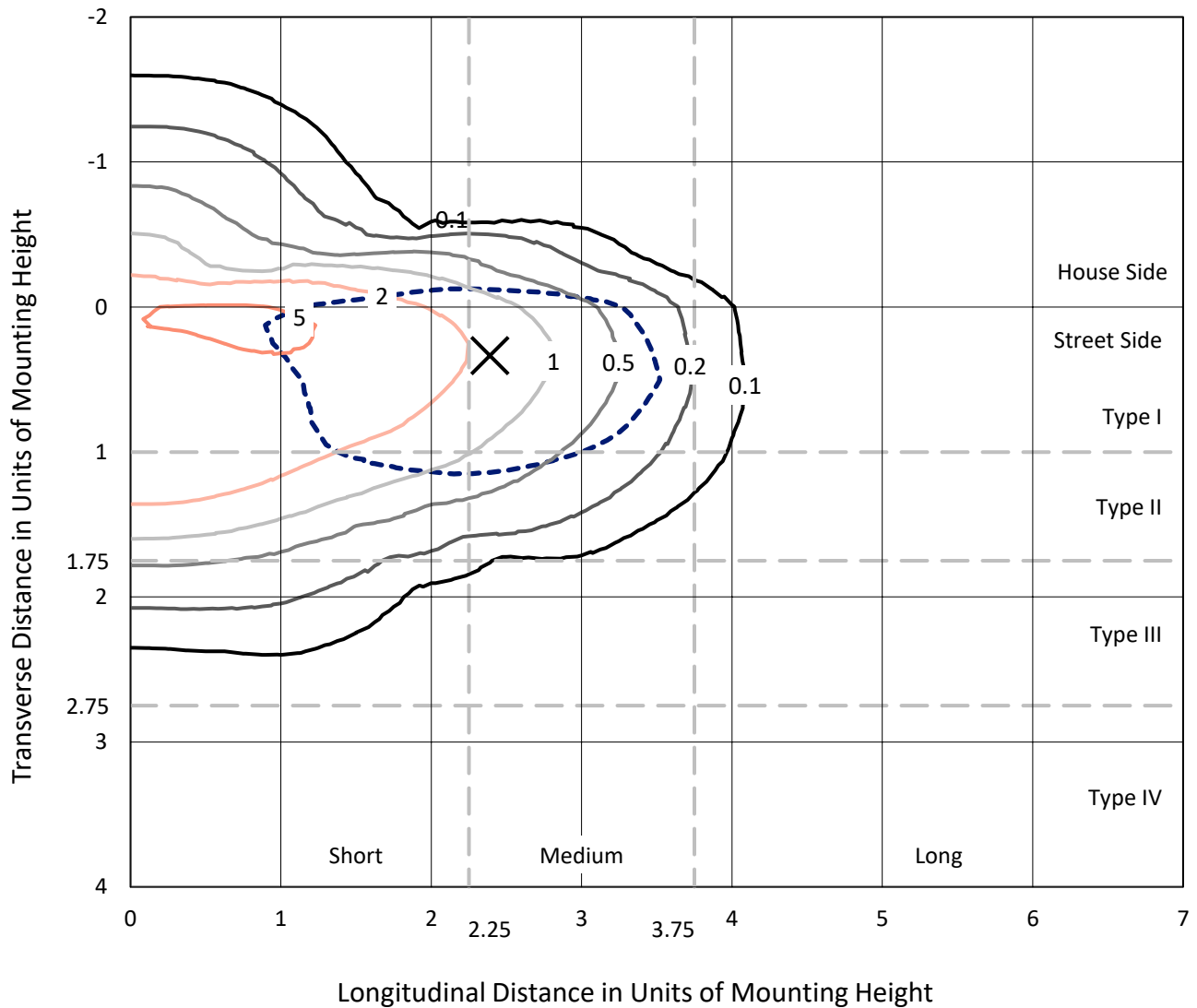
Lumens per Lamp: N/A  
Luminaire Lumens: 18069 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

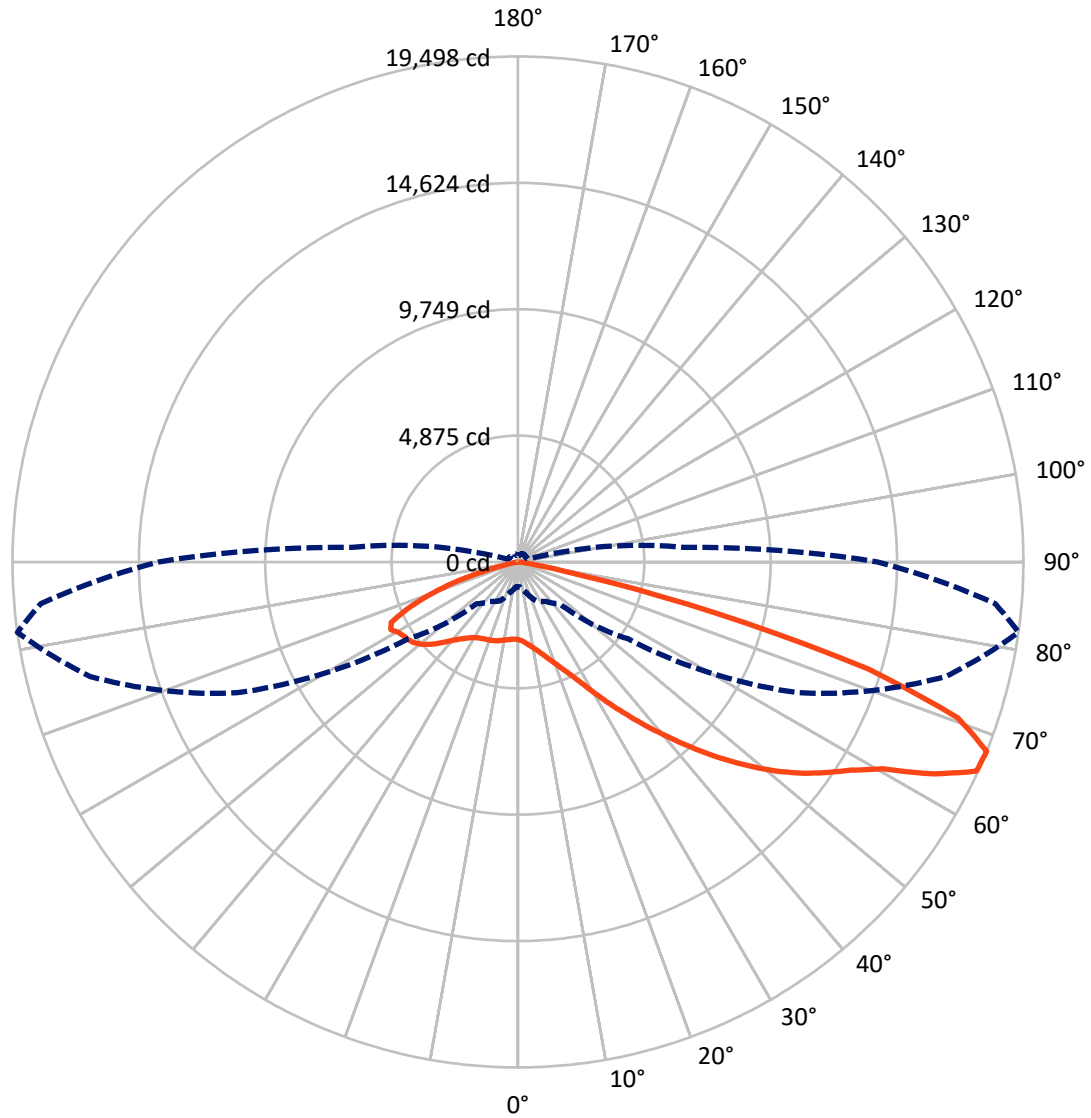
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	3273.0	0.0	3273.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	14796.0	0.0	14796.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	18069.0	0.0	18069.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.7	1.5
10°-20°	693.0	3.8
20°-30°	1110.0	6.1
30°-40°	1962.8	10.9
40°-50°	3439.1	19.0
50°-60°	4586.7	25.4
60°-70°	4270.0	23.6
70°-80°	1638.8	9.1
80°-90°	101.8	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°	18069.0	100.0
0°-180°	18069.0	100.0

**Coefficient of Utilization**



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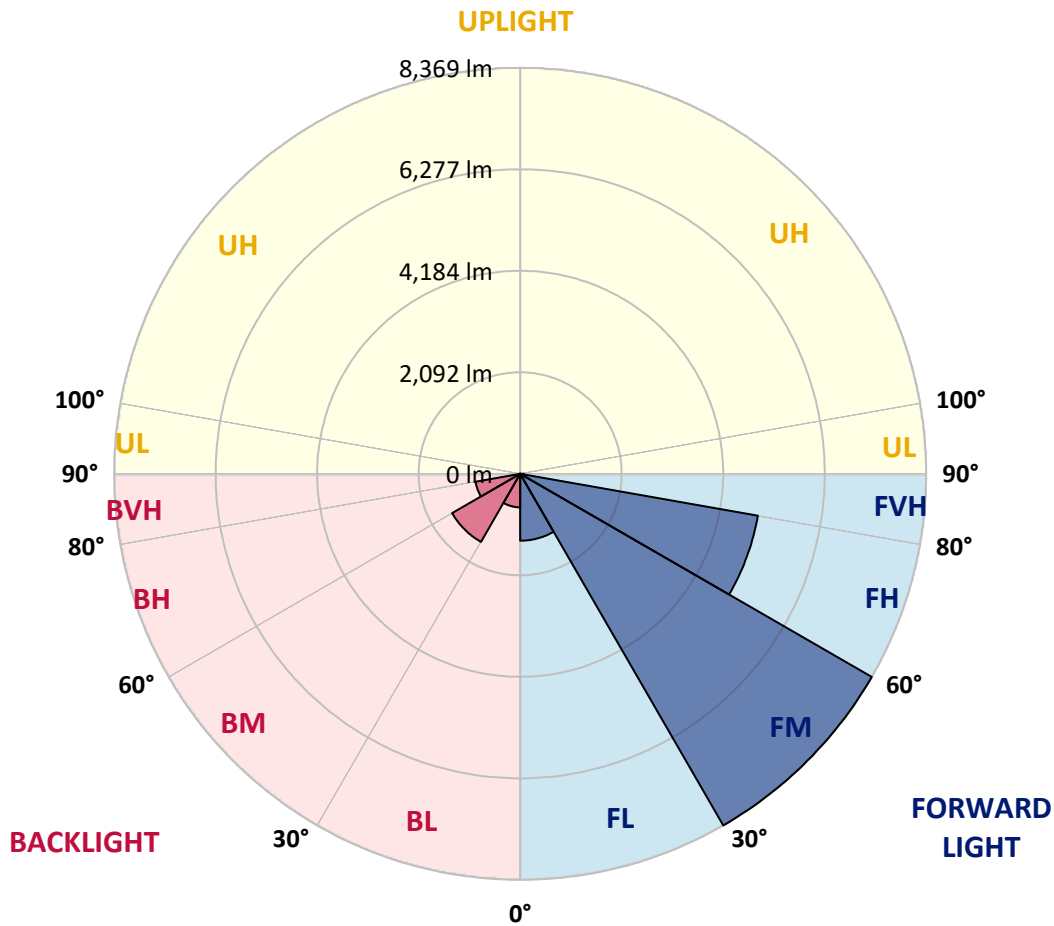
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.5	7.6			
FM (30°-60°)	8368.8	46.3			
FH (60°-80°)	4974.7	27.5			G2/5000
FVH (80°-90°)	74.0	0.4			G1/100
BL (0°-30°)	691.3	3.8	B2/1000		
BM (30°-60°)	1619.8	9.0	B2/2500		
BH (60°-80°)	934.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.8	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°	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4
2.5°	3163.8	3182.1	3171.6	3166.4	3157.3	3144.3	3133.9	3101.4	3067.6	3045.5
5°	3227.6	3245.8	3244.5	3249.7	3256.2	3260.1	3257.5	3221.1	3172.9	3135.2
7.5°	3172.9	3193.8	3210.7	3236.7	3282.2	3330.4	3353.8	3346.0	3296.5	3244.5
10°	3018.1	3040.3	3080.6	3141.7	3238.0	3342.1	3429.2	3469.6	3438.3	3381.1
12.5°	2734.5	2756.7	2836.0	2968.7	3130.0	3310.8	3477.4	3585.3	3593.1	3535.9
15°	2415.8	2437.9	2522.5	2689.0	2934.9	3225.0	3503.4	3707.6	3776.6	3727.1
17.5°	2218.1	2237.6	2301.3	2435.3	2691.6	3053.3	3494.3	3837.7	3995.1	3956.1
20°	2158.2	2175.1	2205.1	2298.7	2512.1	2875.0	3434.4	3960.0	4230.6	4208.5
22.5°	2222.0	2237.6	2246.7	2288.3	2422.3	2758.0	3359.0	4084.9	4503.8	4506.4
25°	2369.0	2384.6	2374.2	2400.2	2458.7	2721.5	3330.4	4231.9	4847.2	4875.9
27.5°	2611.0	2612.3	2587.5	2586.2	2595.3	2776.2	3360.3	4389.3	5280.4	5333.8
30°	3096.2	3076.7	2981.7	2878.9	2832.1	2940.1	3443.5	4575.3	5791.7	5886.7
32.5°	3844.2	3815.6	3641.3	3395.4	3148.2	3204.2	3593.1	4787.4	6348.5	6520.2
35°	4656.0	4648.2	4466.1	4100.5	3668.6	3580.1	3836.4	5065.8	6956.0	7229.2
37.5°	5410.5	5406.6	5302.6	4872.0	4346.4	4104.4	4226.7	5430.0	7606.5	8002.0
40°	6100.0	6111.7	6007.7	5622.6	5093.1	4777.0	4757.5	5880.2	8329.8	8843.7
42.5°	6695.8	6708.9	6603.5	6318.6	5830.7	5521.1	5409.2	6431.8	9036.2	9747.8
45°	7100.4	7181.1	7165.5	6937.8	6587.9	6266.5	6192.4	7123.8	9841.5	10706.6
47.5°	7214.9	7289.1	7406.1	7437.4	7224.0	6907.9	6996.4	7957.7	10655.9	11666.7
50°	6932.6	7001.6	7244.8	7568.8	7717.1	7619.5	7778.2	8851.5	11489.7	12624.1
52.5°	6375.8	6446.1	6753.1	7265.7	7870.6	8177.6	8562.7	9732.2	12297.6	13530.9
55°	5570.5	5644.7	6038.9	6619.1	7577.9	8407.9	9217.0	10611.6	13037.8	14346.6
57.5°	4475.2	4529.8	4939.6	5751.4	6841.5	8178.9	9699.7	11571.7	13735.1	15147.9
60°	2916.7	2964.8	3440.9	4346.4	5621.3	7414.0	9795.9	12642.4	14661.4	16190.0
62.5°	1939.7	1972.2	2254.5	2919.3	3958.7	5945.2	9232.6	13497.1	16019.6	18003.5
65°	1330.8	1363.4	1645.7	2108.8	2557.6	3932.7	7613.0	13383.9	17250.2	19443.6
67.5°	949.7	977.0	1216.4	1653.5	1851.2	2284.4	5160.8	11937.3	17073.3	19498.2
70°	680.4	696.0	893.7	1287.9	1471.3	1372.5	2869.8	9129.9	14948.9	18004.8
72.5°	476.1	481.3	620.5	980.9	1185.1	1001.7	1366.0	6087.0	11306.3	14131.9
75°	322.6	329.1	417.6	719.4	951.0	764.9	723.3	3264.0	6637.3	7822.4
77.5°	197.7	200.3	269.3	491.7	711.6	582.8	465.7	1382.9	2568.0	2521.2
80°	111.9	111.9	171.7	305.7	485.2	376.0	326.5	588.0	813.1	714.2
82.5°	62.4	63.7	124.9	189.9	321.3	222.5	179.5	271.9	351.2	310.9
85°	26.0	28.6	76.8	89.8	153.5	110.6	72.9	114.5	130.1	115.8
87.5°	2.6	3.9	23.4	16.9	18.2	22.1	10.4	22.1	18.2	18.2
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°
2993.4	0°	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4	2993.4
3037.7	2.5°	3012.9	2993.4	2944.0	2886.7	2811.3	2774.9	2725.4	2691.6	2663.0	2665.6
3113.1	5°	3071.5	3022.0	2911.5	2773.6	2601.8	2479.6	2349.5	2259.7	2186.9	2171.2
3217.2	7.5°	3152.1	3074.1	2880.2	2631.8	2341.7	2121.8	1925.4	1799.2	1709.4	1680.8
3343.4	10°	3256.2	3143.0	2839.9	2453.5	2035.9	1756.2	1545.5	1446.6	1385.5	1364.7
3491.7	12.5°	3377.2	3222.4	2786.6	2236.3	1721.1	1451.8	1317.8	1268.4	1248.9	1242.4
3673.8	15°	3529.4	3321.3	2705.9	1978.7	1454.4	1265.8	1208.6	1202.1	1204.7	1202.1
3892.4	17.5°	3710.2	3429.2	2574.5	1713.3	1274.9	1170.8	1150.0	1155.2	1161.7	1160.4
4136.9	20°	3908.0	3535.9	2406.7	1477.8	1152.6	1103.2	1091.5	1096.7	1101.9	1099.3
4419.2	22.5°	4133.0	3650.4	2220.7	1294.4	1070.7	1040.7	1027.7	1029.0	1029.0	1023.8
4777.0	25°	4402.3	3776.6	2025.5	1164.3	1008.2	984.8	969.2	964.0	956.2	940.6
5211.5	27.5°	4723.6	3910.6	1838.2	1073.3	958.8	936.7	918.5	905.4	885.9	859.9
5733.2	30°	5085.3	4073.2	1679.5	1016.0	919.8	897.6	876.8	857.3	828.7	796.2
6332.9	32.5°	5510.7	4247.5	1563.7	978.3	884.6	861.2	836.5	813.1	781.9	749.3
7006.8	35°	6018.1	4458.3	1496.1	952.3	857.3	826.1	798.8	772.7	749.3	720.7
7739.2	37.5°	6568.4	4682.0	1475.2	939.3	839.1	791.0	759.7	741.5	738.9	722.0
8531.4	40°	7170.7	4947.4	1490.9	931.5	819.6	757.1	723.3	719.4	725.9	696.0
9378.3	42.5°	7808.1	5262.2	1516.9	922.4	792.3	723.3	690.8	690.8	685.6	644.0
10273.4	45°	8497.6	5625.2	1542.9	900.2	759.7	689.5	664.8	655.7	633.5	593.2
11173.6	47.5°	9192.3	5994.6	1562.4	859.9	720.7	660.9	638.8	617.9	585.4	549.0
12056.9	50°	9851.9	6326.4	1541.6	800.1	676.5	633.5	610.1	581.5	546.4	521.7
12893.4	52.5°	10441.2	6613.9	1453.1	729.8	629.6	604.9	584.1	554.2	525.6	499.6
13648.0	55°	10953.8	6846.8	1297.0	663.5	588.0	580.2	559.4	521.7	482.6	460.5
14396.0	57.5°	11445.5	7023.7	1101.9	608.8	550.3	552.9	521.7	487.8	451.4	428.0
15404.2	60°	12099.9	7260.4	904.1	558.1	510.0	517.8	483.9	459.2	413.7	383.8
17133.1	62.5°	13145.8	7628.6	718.1	495.7	463.1	465.7	451.4	421.5	366.9	331.7
18414.6	65°	13975.8	7493.3	565.9	428.0	409.8	413.7	413.7	381.2	322.6	282.3
18483.5	67.5°	13882.1	6416.1	451.4	361.7	359.1	361.7	370.8	343.4	286.2	253.7
17075.9	70°	12788.1	5103.5	361.7	300.5	312.2	305.7	331.7	313.5	257.6	225.1
13238.2	72.5°	10434.7	3676.4	275.8	248.5	239.4	249.8	299.2	282.3	214.7	178.2
7012.0	75°	6097.4	1961.8	205.5	196.4	173.0	208.1	265.4	240.7	163.9	131.4
2149.1	77.5°	1985.2	684.3	150.9	144.4	128.8	167.8	226.4	202.9	134.0	104.1
629.6	80°	532.1	206.8	102.8	95.0	83.3	124.9	179.5	161.3	96.3	67.6
270.6	82.5°	213.4	87.2	59.8	53.3	45.5	85.9	141.8	130.1	71.6	42.9
84.6	85°	68.9	28.6	22.1	16.9	20.8	53.3	84.6	88.5	50.7	22.1
13.0	87.5°	9.1	3.9	3.9	5.2	3.9	9.1	26.0	24.7	14.3	2.6
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°
2993.4
2639.6
2136.1
1652.2
1349.1
1238.5
1200.8
1157.8
1098.0
1021.2
938.0
857.3
793.6
750.6
718.1
720.7
697.3
644.0
591.9
547.7
517.8
497.0
457.9
425.4
379.9
329.1
278.4
248.5
221.2
174.3
127.5
100.2
66.3
42.9
16.9
0.0
0.0

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