

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: P940464

Luminaire Tested: **GALN-SB3C-750-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940464
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-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 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: 17359 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

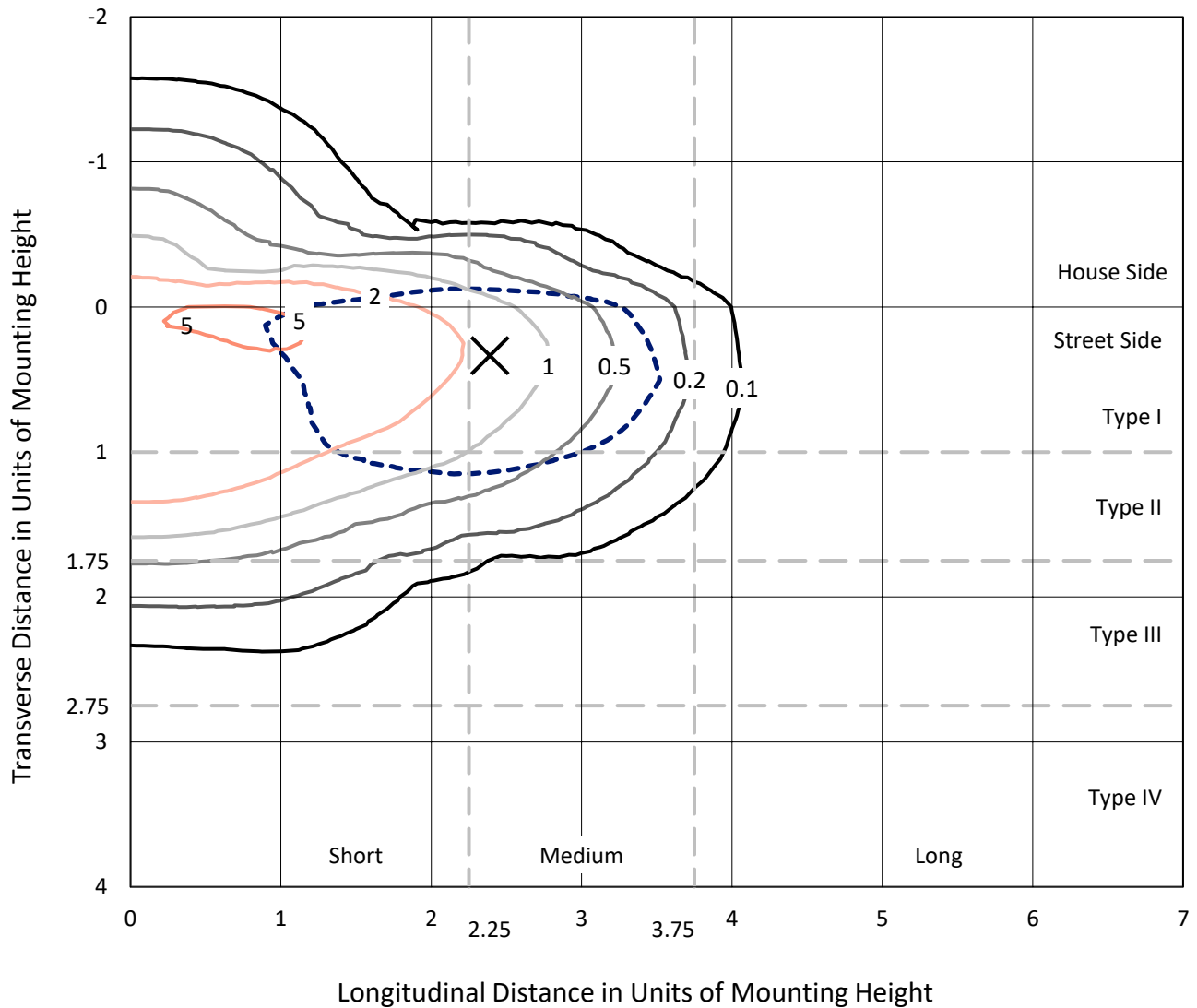
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

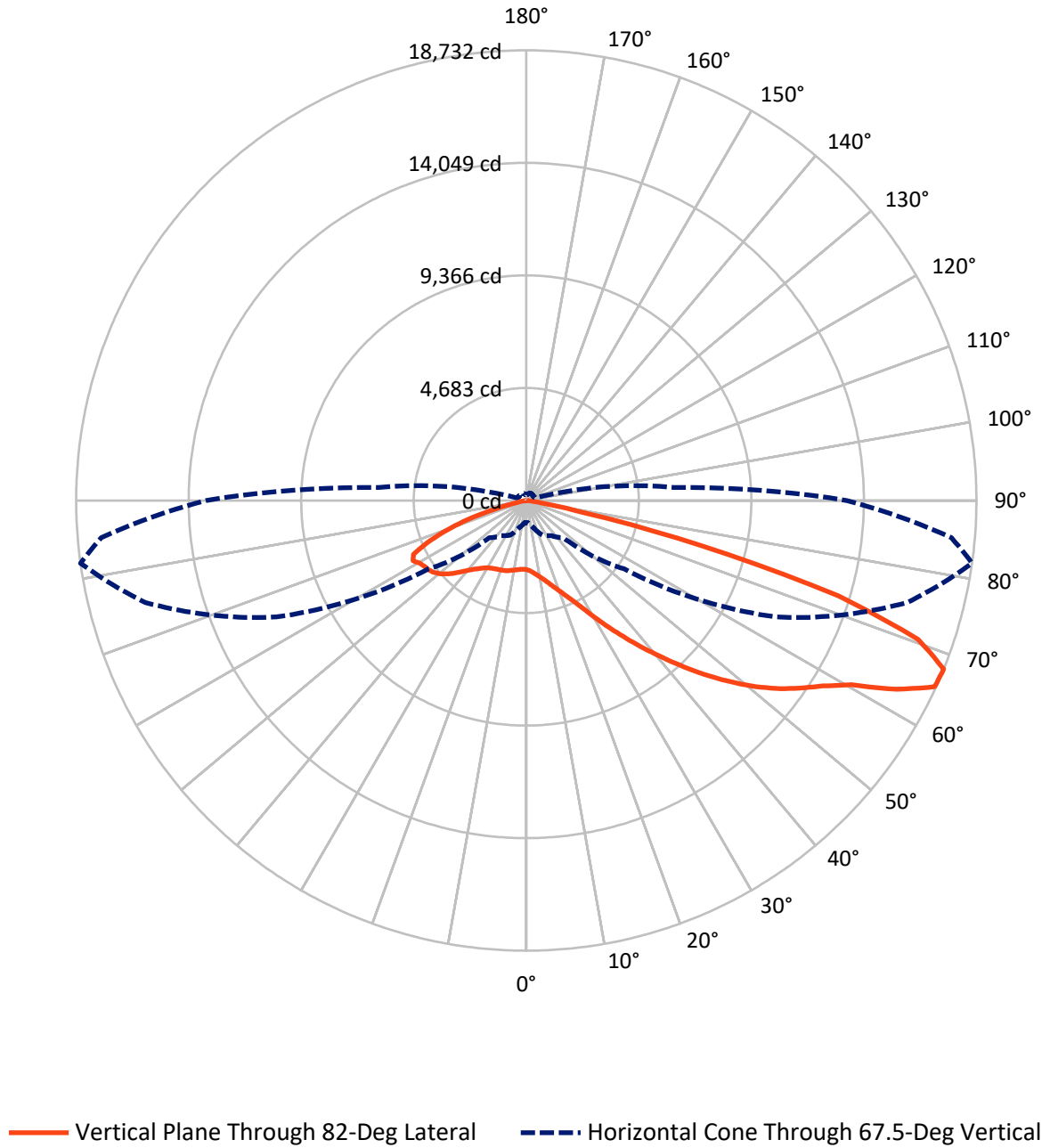
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3144.4	0.0	3144.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14214.6	0.0	14214.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	17359.0	0.0	17359.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.2	1.5
10°-20°	665.8	3.8
20°-30°	1066.4	6.1
30°-40°	1885.7	10.9
40°-50°	3303.9	19.0
50°-60°	4406.5	25.4
60°-70°	4102.2	23.6
70°-80°	1574.4	9.1
80°-90°	97.8	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°	17359.0	100.0
0°-180°	17359.0	100.0

Coefficient of Utilization



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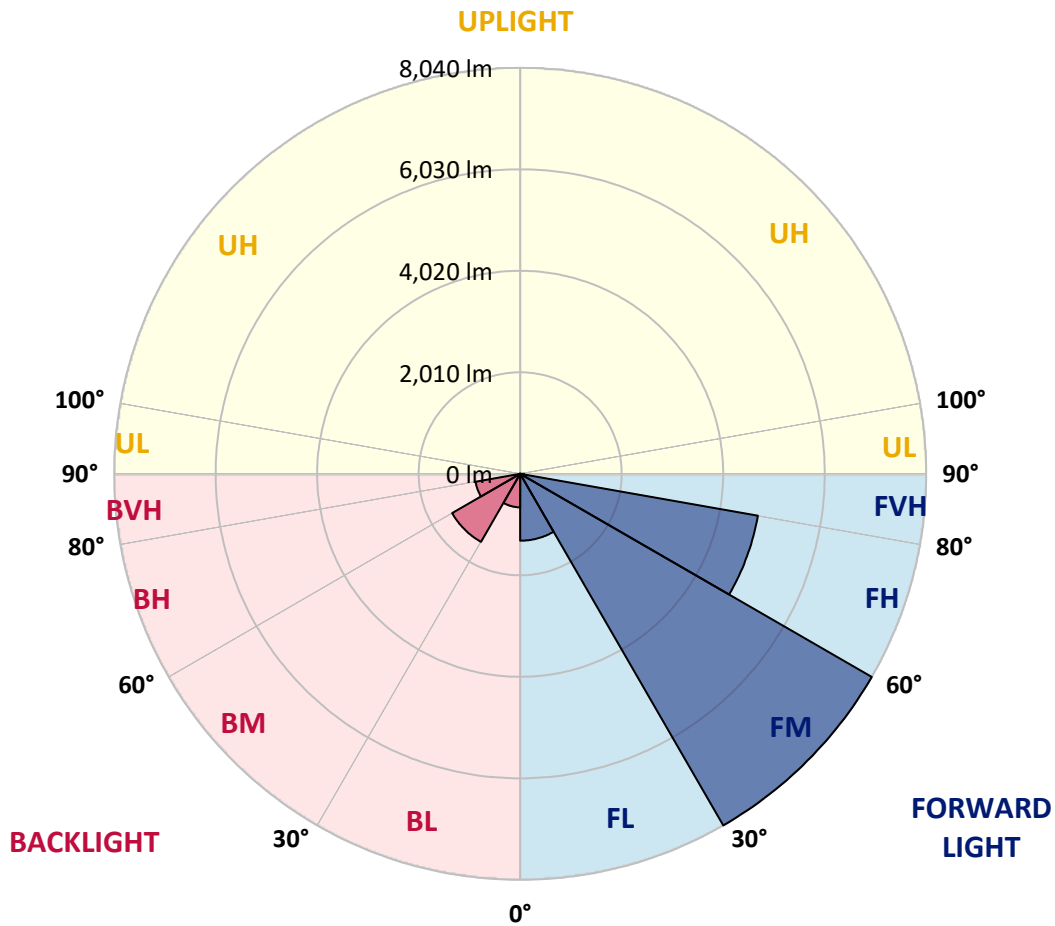
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1324.3	7.6			
FM (30°-60°)	8040.0	46.3			
FH (60°-80°)	4779.2	27.5			G2/5000
FVH (80°-90°)	71.1	0.4			G1/100
BL (0°-30°)	664.1	3.8	B2/1000		
BM (30°-60°)	1556.2	9.0	B2/2500		
BH (60°-80°)	897.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	26.7	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°	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8
2.5°	3039.5	3057.0	3047.0	3042.0	3033.3	3020.8	3010.8	2979.5	2947.0	2925.8
5°	3100.8	3118.3	3117.0	3122.0	3128.3	3132.0	3129.5	3094.5	3048.3	3012.0
7.5°	3048.3	3068.3	3084.5	3109.5	3153.3	3199.5	3222.0	3214.5	3167.0	3117.0
10°	2899.5	2920.8	2959.5	3018.3	3110.8	3210.7	3294.5	3333.2	3303.2	3248.2
12.5°	2627.1	2648.3	2724.6	2852.1	3007.0	3180.8	3340.7	3444.5	3452.0	3397.0
15°	2320.9	2342.1	2423.4	2583.3	2819.6	3098.3	3365.7	3561.9	3628.2	3580.7
17.5°	2130.9	2149.7	2210.9	2339.6	2585.8	2933.3	3357.0	3686.9	3838.1	3800.7
20°	2073.4	2089.7	2118.4	2208.4	2413.4	2762.1	3299.5	3804.4	4064.4	4043.1
22.5°	2134.7	2149.7	2158.4	2198.4	2327.1	2649.6	3227.0	3924.4	4326.8	4329.3
25°	2275.9	2290.9	2280.9	2305.9	2362.1	2614.6	3199.5	4065.6	4656.8	4684.3
27.5°	2508.4	2509.6	2485.9	2484.6	2493.4	2667.1	3228.2	4216.8	5073.0	5124.2
30°	2974.5	2955.8	2864.6	2765.8	2720.8	2824.6	3308.2	4395.6	5564.1	5655.4
32.5°	3693.2	3665.7	3498.2	3262.0	3024.5	3078.3	3452.0	4599.3	6099.0	6264.0
35°	4473.0	4465.5	4290.6	3939.4	3524.4	3439.5	3685.7	4866.7	6682.7	6945.2
37.5°	5197.9	5194.2	5094.2	4680.5	4175.6	3943.1	4060.6	5216.7	7307.6	7687.5
40°	5860.3	5871.6	5771.6	5401.7	4893.0	4589.3	4570.5	5649.1	8002.5	8496.2
42.5°	6432.7	6445.2	6344.0	6070.3	5601.6	5304.2	5196.7	6179.0	8681.1	9364.8
45°	6821.4	6898.9	6883.9	6665.2	6329.0	6020.3	5949.1	6843.9	9454.8	10285.9
47.5°	6931.4	7002.7	7115.1	7145.1	6940.2	6636.5	6721.4	7645.1	10237.1	11208.2
50°	6660.2	6726.4	6960.2	7271.4	7413.8	7320.1	7472.6	8503.7	11038.3	12128.1
52.5°	6125.3	6192.8	6487.7	6980.2	7561.3	7856.3	8226.2	9349.8	11814.4	12999.2
55°	5351.7	5422.9	5801.6	6359.0	7280.1	8077.5	8854.9	10194.7	12525.5	13782.8
57.5°	4299.3	4351.8	4745.5	5525.4	6572.7	7857.5	9318.5	11117.0	13195.4	14552.7
60°	2802.1	2848.3	3305.7	4175.6	5400.4	7122.6	9411.0	12145.6	14085.3	15553.8
62.5°	1863.5	1894.7	2165.9	2804.6	3803.2	5711.6	8869.9	12966.7	15390.1	17296.0
65°	1278.5	1309.8	1581.0	2025.9	2457.1	3778.2	7313.9	12858.0	16572.4	18679.6
67.5°	912.4	938.6	1168.6	1588.5	1778.5	2194.7	4958.0	11468.2	16402.4	18732.1
70°	653.6	668.6	858.6	1237.3	1413.5	1318.5	2757.1	8771.1	14361.5	17297.3
72.5°	457.4	462.4	596.2	942.4	1138.6	962.3	1312.3	5847.8	10862.0	13576.6
75°	310.0	316.2	401.2	691.1	913.6	734.9	694.9	3135.8	6376.5	7515.1
77.5°	190.0	192.5	258.7	472.4	683.6	559.9	447.4	1328.5	2467.1	2422.1
80°	107.5	107.5	165.0	293.7	466.2	361.2	313.7	564.9	781.1	686.1
82.5°	60.0	61.2	120.0	182.5	308.7	213.7	172.5	261.2	337.4	298.7
85°	25.0	27.5	73.7	86.2	147.5	106.2	70.0	110.0	125.0	111.2
87.5°	2.5	3.7	22.5	16.2	17.5	21.2	10.0	21.2	17.5	17.5
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°
2875.8	0°	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8	2875.8
2918.3	2.5°	2894.5	2875.8	2828.3	2773.3	2700.8	2665.8	2618.3	2585.8	2558.3	2560.8
2990.8	5°	2950.8	2903.3	2797.1	2664.6	2499.6	2382.1	2257.1	2170.9	2100.9	2085.9
3090.8	7.5°	3028.3	2953.3	2767.1	2528.4	2249.6	2038.4	1849.7	1728.5	1642.2	1614.7
3212.0	10°	3128.3	3019.5	2728.3	2357.1	1955.9	1687.2	1484.8	1389.8	1331.0	1311.0
3354.5	12.5°	3244.5	3095.8	2677.1	2148.4	1653.5	1394.8	1266.1	1218.6	1199.8	1193.6
3529.4	15°	3390.7	3190.7	2599.6	1901.0	1397.3	1216.1	1161.1	1154.8	1157.3	1154.8
3739.4	17.5°	3564.4	3294.5	2473.4	1646.0	1224.8	1124.8	1104.8	1109.8	1116.1	1114.8
3974.4	20°	3754.4	3397.0	2312.1	1419.8	1107.3	1059.8	1048.6	1053.6	1058.6	1056.1
4245.6	22.5°	3970.6	3506.9	2133.4	1243.6	1028.6	999.8	987.3	988.6	988.6	983.6
4589.3	25°	4229.3	3628.2	1945.9	1118.6	968.6	946.1	931.1	926.1	918.6	903.6
5006.7	27.5°	4538.0	3756.9	1766.0	1031.1	921.1	899.9	882.4	869.9	851.1	826.1
5507.9	30°	4885.5	3913.1	1613.5	976.1	883.6	862.4	842.4	823.6	796.1	764.9
6084.0	32.5°	5294.2	4080.6	1502.3	939.9	849.9	827.4	803.6	781.1	751.1	719.9
6731.4	35°	5781.6	4283.1	1437.3	914.9	823.6	793.6	767.4	742.4	719.9	692.4
7435.1	37.5°	6310.3	4498.0	1417.3	902.4	806.1	759.9	729.9	712.4	709.9	693.6
8196.2	40°	6888.9	4753.0	1432.3	894.9	787.4	727.4	694.9	691.1	697.4	668.6
9009.8	42.5°	7501.3	5055.5	1457.3	886.1	761.1	694.9	663.6	663.6	658.6	618.7
9869.7	45°	8163.7	5404.2	1482.3	864.9	729.9	662.4	638.6	629.9	608.7	569.9
10734.6	47.5°	8831.1	5759.1	1501.0	826.1	692.4	634.9	613.7	593.7	562.4	527.4
11583.2	50°	9464.8	6077.8	1481.0	768.6	649.9	608.7	586.2	558.7	524.9	501.2
12386.8	52.5°	10030.9	6354.0	1396.0	701.1	604.9	581.2	561.2	532.4	504.9	479.9
13111.7	55°	10523.3	6577.7	1246.1	637.4	564.9	557.4	537.4	501.2	463.7	442.4
13830.3	57.5°	10995.8	6747.7	1058.6	584.9	528.7	531.2	501.2	468.7	433.7	411.2
14798.9	60°	11624.4	6975.2	868.6	536.2	489.9	497.4	464.9	441.2	397.4	368.7
16459.9	62.5°	12629.3	7328.9	689.9	476.2	444.9	447.4	433.7	404.9	352.4	318.7
17691.0	65°	13426.6	7198.9	543.7	411.2	393.7	397.4	397.4	366.2	310.0	271.2
17757.2	67.5°	13336.7	6164.0	433.7	347.4	344.9	347.4	356.2	329.9	275.0	243.7
16404.9	70°	12285.6	4903.0	347.4	288.7	300.0	293.7	318.7	301.2	247.5	216.2
12718.0	72.5°	10024.7	3531.9	265.0	238.7	230.0	240.0	287.5	271.2	206.2	171.2
6736.4	75°	5857.8	1884.7	197.5	188.7	166.2	200.0	255.0	231.2	157.5	126.2
2064.7	77.5°	1907.2	657.4	145.0	138.7	123.7	161.2	217.5	195.0	128.7	100.0
604.9	80°	511.2	198.7	98.7	91.2	80.0	120.0	172.5	155.0	92.5	65.0
260.0	82.5°	205.0	83.7	57.5	51.2	43.7	82.5	136.2	125.0	68.7	41.2
81.2	85°	66.2	27.5	21.2	16.2	20.0	51.2	81.2	85.0	48.7	21.2
12.5	87.5°	8.7	3.7	3.7	5.0	3.7	8.7	25.0	23.7	13.7	2.5
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>
2875.8
2535.9
2052.2
1587.3
1296.0
1189.8
1153.6
1112.3
1054.8
981.1
901.1
823.6
762.4
721.1
689.9
692.4
669.9
618.7
568.7
526.2
497.4
477.4
439.9
408.7
364.9
316.2
267.5
238.7
212.5
167.5
122.5
96.2
63.7
41.2
16.2
0.0
0.0

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