

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: P957260

Luminaire Tested: **GALN-SB9C-930-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-930-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36552 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

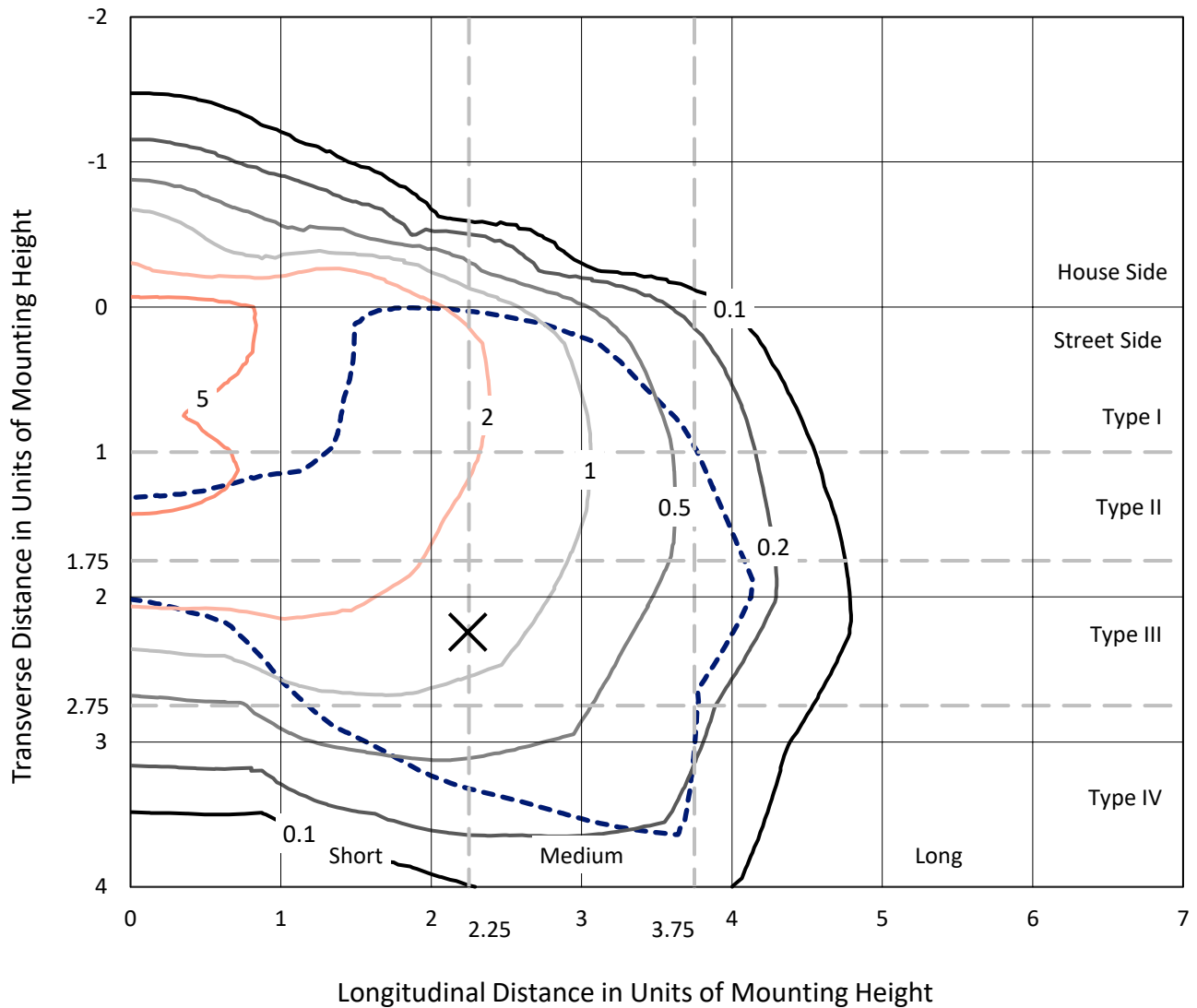
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

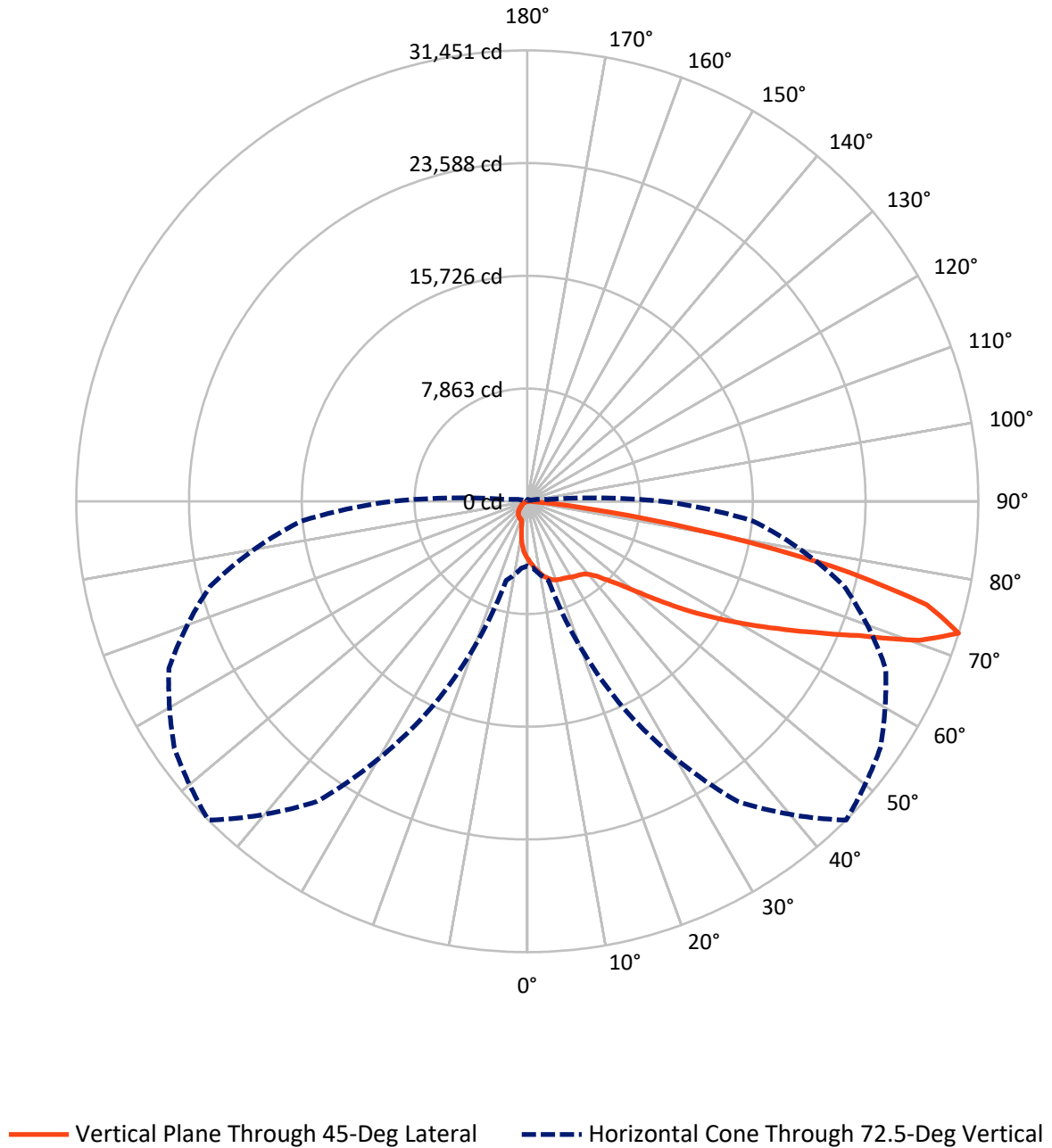
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3840.6	0.0	3840.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	32711.4	0.0	32711.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	36552.0	0.0	36552.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.3	1.0
10°-20°	1102.7	3.0
20°-30°	1810.7	5.0
30°-40°	2568.0	7.0
40°-50°	4244.7	11.6
50°-60°	7625.2	20.9
60°-70°	10588.0	29.0
70°-80°	7680.2	21.0
80°-90°	555.2	1.5
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°	36552.0	100.0
0°-180°	36552.0	100.0

Coefficient of Utilization



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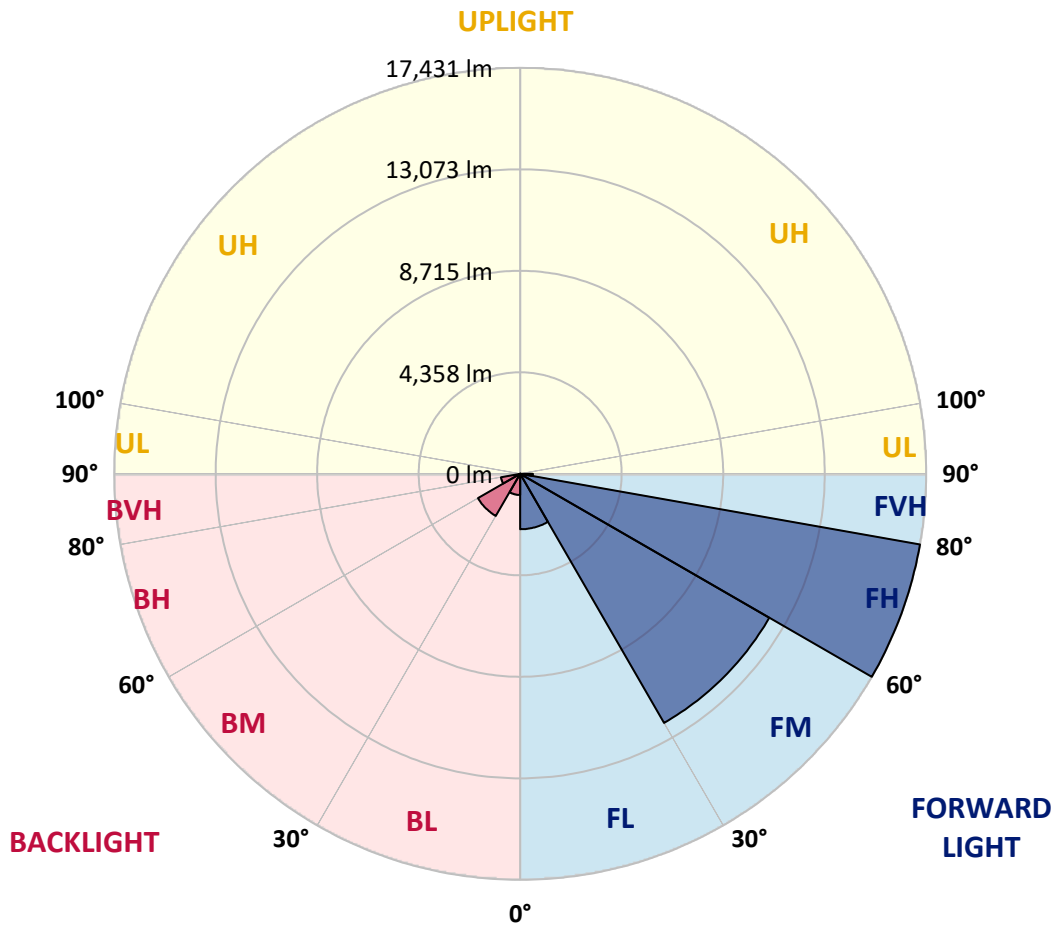
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2381.0	6.5			
FM (30°-60°)	12349.2	33.8			
FH (60°-80°)	17430.6	47.7			G5
FVH (80°-90°)	550.6	1.5			G4/750
BL (0°-30°)	909.7	2.5	B2/1000		
BM (30°-60°)	2088.7	5.7	B2/2500		
BH (60°-80°)	837.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3
2.5°	4373.6	4381.1	4376.1	4346.2	4296.3	4268.8	4253.8	4203.9	4171.5	4114.1
5°	4775.3	4805.2	4787.8	4727.9	4633.1	4565.7	4545.7	4443.5	4351.1	4243.9
7.5°	5201.9	5216.9	5184.4	5107.1	4979.9	4865.1	4847.6	4705.4	4558.2	4393.6
10°	5571.2	5588.6	5538.7	5426.5	5281.7	5139.5	5114.6	4957.4	4782.8	4580.7
12.5°	5880.5	5898.0	5833.1	5698.4	5538.7	5391.5	5366.6	5201.9	5009.8	4785.3
15°	6115.1	6147.5	6060.2	5915.5	5743.3	5596.1	5583.6	5421.5	5234.3	4984.9
17.5°	6252.3	6284.7	6202.4	6027.7	5880.5	5755.8	5740.8	5606.1	5431.4	5191.9
20°	6274.7	6304.7	6217.3	6065.2	5942.9	5843.1	5835.6	5738.3	5611.1	5381.5
22.5°	6207.4	6244.8	6165.0	6042.7	5957.9	5905.5	5895.5	5840.6	5768.3	5573.7
25°	6137.5	6167.4	6107.6	6000.3	5955.4	5950.4	5957.9	5947.9	5932.9	5768.3
27.5°	6132.5	6165.0	6097.6	5995.3	5970.3	6022.7	6030.2	6077.6	6090.1	5945.4
30°	6174.9	6197.4	6132.5	6025.2	6012.8	6132.5	6135.0	6219.8	6239.8	6095.1
32.5°	6267.2	6292.2	6227.3	6070.1	6052.7	6219.8	6227.3	6339.6	6372.0	6254.8
35°	6484.3	6514.2	6439.4	6194.9	6132.5	6302.2	6324.6	6456.9	6521.7	6424.4
37.5°	7025.7	6938.4	6836.1	6446.9	6314.6	6431.9	6469.3	6624.0	6738.8	6626.5
40°	8370.5	8096.0	7776.7	6876.0	6634.0	6708.8	6738.8	6893.5	7050.6	6940.9
42.5°	10388.9	10064.5	9550.6	7864.0	7115.5	7152.9	7175.4	7310.1	7532.2	7444.8
45°	12187.7	12070.4	11546.5	9550.6	8016.2	7831.6	7859.0	7928.9	8255.7	8223.3
47.5°	13569.9	13502.5	13098.3	11486.6	9538.1	8662.4	8739.7	8772.1	9243.7	9358.5
50°	14632.7	14607.8	14246.0	13208.1	11526.5	9887.4	9914.8	9845.0	10551.0	10835.4
52.5°	15635.7	15720.5	15453.5	14807.4	13649.7	11491.6	11486.6	11157.3	12110.4	12539.5
55°	16541.3	16571.3	16598.7	16439.0	15785.4	13317.9	13270.5	12731.6	13919.2	14363.3
57.5°	17392.1	17404.6	17649.1	17975.9	18008.3	15278.9	15191.6	14545.4	15895.1	16212.0
60°	17963.4	18020.8	18537.3	19445.4	19842.1	17302.3	17254.9	16596.2	17906.1	18053.3
62.5°	17140.1	17489.4	18791.8	20593.1	21573.6	19545.2	19522.8	18904.0	20021.7	19902.0
65°	13874.3	14465.6	16755.9	21369.0	23272.6	22050.1	22082.6	21423.9	22194.8	21805.6
67.5°	9705.2	10329.0	13038.5	21431.4	25171.3	24991.6	25178.7	24145.9	24502.6	23629.4
70°	6711.3	7033.2	8797.1	20089.1	26650.8	29043.4	29038.4	27489.0	26798.0	24460.2
72.5°	4513.3	4680.5	5713.4	15937.6	25563.0	31451.0	31306.3	30043.8	27571.4	22875.9
75°	1903.6	2025.9	2644.6	8956.8	20223.8	28773.9	28382.2	26551.0	24497.6	18013.3
77.5°	603.8	656.2	1042.9	3206.0	11139.8	21628.5	21214.3	16581.2	16419.1	9036.6
80°	286.9	334.3	586.3	1287.4	4383.6	11763.6	11706.2	7522.2	7063.1	2440.0
82.5°	124.7	147.2	324.3	688.6	1961.0	4196.5	4281.3	2559.8	2118.2	925.6
85°	39.9	52.4	149.7	316.9	828.3	1042.9	1030.4	608.8	853.3	504.0
87.5°	0.0	0.0	49.9	72.4	84.8	59.9	67.4	52.4	237.0	139.7
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°
4004.3	0°	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3	4004.3
4054.2	2.5°	4024.3	3984.4	3914.5	3849.7	3792.3	3734.9	3700.0	3650.1	3645.1	3645.1
4119.1	5°	4051.8	3986.9	3862.1	3729.9	3577.7	3433.0	3288.3	3148.6	3103.7	3071.2
4223.9	7.5°	4131.6	4029.3	3832.2	3580.2	3290.8	2973.9	2751.9	2512.4	2420.1	2370.2
4363.6	10°	4246.4	4106.6	3807.3	3365.6	2896.6	2465.0	2148.1	1888.7	1788.9	1746.4
4515.8	12.5°	4373.6	4201.4	3762.3	3098.7	2465.0	1948.5	1639.2	1519.4	1504.4	1504.4
4697.9	15°	4525.8	4316.2	3685.0	2784.3	2013.4	1541.9	1432.1	1437.1	1452.0	1462.0
4875.1	17.5°	4683.0	4438.5	3562.7	2432.5	1614.2	1387.2	1389.7	1397.2	1409.6	1419.6
5067.2	20°	4852.6	4560.7	3400.6	2058.3	1384.7	1342.3	1349.8	1357.2	1367.2	1372.2
5246.8	22.5°	5034.8	4675.5	3208.5	1691.6	1307.3	1304.8	1307.3	1314.8	1327.3	1327.3
5456.4	25°	5229.4	4802.7	2988.9	1424.6	1267.4	1267.4	1272.4	1277.4	1287.4	1287.4
5658.5	27.5°	5428.9	4920.0	2756.9	1284.9	1232.5	1230.0	1230.0	1237.5	1242.5	1245.0
5858.1	30°	5648.5	5057.2	2524.9	1254.9	1205.0	1192.6	1185.1	1190.1	1195.1	1197.6
6067.6	32.5°	5873.0	5189.4	2317.8	1267.4	1177.6	1155.1	1130.2	1125.2	1125.2	1135.2
6284.7	35°	6122.5	5334.1	2158.1	1309.8	1162.6	1100.3	1060.3	1037.9	1040.4	1055.4
6544.2	37.5°	6421.9	5508.8	2040.8	1347.3	1152.7	1037.9	973.0	945.6	928.1	945.6
6901.0	40°	6813.6	5765.8	1956.0	1377.2	1140.2	965.5	878.2	833.3	800.9	810.8
7454.8	42.5°	7390.0	6169.9	1923.6	1379.7	1112.7	880.7	780.9	721.0	673.6	676.1
8288.1	45°	8198.3	6808.6	2090.7	1347.3	1052.9	788.4	678.6	598.8	568.8	561.4
9533.1	47.5°	9306.1	7739.2	2477.5	1279.9	965.5	698.6	578.8	511.5	489.0	476.5
11167.3	50°	10790.5	8934.3	2906.6	1205.0	878.2	613.8	496.5	454.1	439.1	426.6
13105.8	52.5°	12512.0	10146.8	3258.4	1130.2	790.9	538.9	444.1	419.1	406.7	396.7
14977.0	55°	14091.3	10982.6	3238.4	1050.4	706.1	479.0	406.7	391.7	376.7	366.8
16588.7	57.5°	15074.3	11099.9	2669.6	963.0	608.8	431.6	371.7	361.8	344.3	331.8
17983.4	60°	15525.9	10431.3	1871.2	848.3	511.5	386.7	334.3	329.3	306.9	289.4
19303.2	62.5°	15608.2	9188.8	1247.5	706.1	426.6	344.3	296.9	289.4	259.5	229.5
20376.0	65°	15273.9	7412.4	863.2	551.4	364.3	299.4	254.5	239.5	207.1	177.1
20630.5	67.5°	14216.1	5204.4	601.3	396.7	309.4	237.0	202.1	197.1	172.1	147.2
19333.1	70°	12277.5	2966.5	401.7	296.9	244.5	162.2	159.7	164.7	139.7	119.8
15795.3	72.5°	9413.3	1357.2	249.5	217.1	167.2	109.8	127.2	129.7	107.3	89.8
9854.9	75°	5541.2	581.3	157.2	139.7	84.8	72.4	92.3	94.8	72.4	57.4
3602.7	77.5°	1886.2	219.6	99.8	82.3	42.4	39.9	59.9	59.9	39.9	22.5
723.5	80°	429.1	82.3	49.9	32.4	20.0	17.5	20.0	17.5	10.0	2.5
222.0	82.5°	122.3	32.4	20.0	12.5	7.5	7.5	2.5	0.0	0.0	0.0
77.3	85°	34.9	15.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
27.4	87.5°	15.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
4004.3
3657.6
3086.2
2377.7
1746.4
1504.4
1462.0
1419.6
1374.7
1332.3
1289.9
1247.5
1202.6
1142.7
1062.8
940.6
805.9
666.1
551.4
469.0
424.1
394.2
361.8
329.3
284.4
214.6
167.2
139.7
109.8
79.8
49.9
17.5
0.0
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