

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: P952409

Luminaire Tested: **GALN-SB6B-735-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952409
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-SB6B-735-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA 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: 26303 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

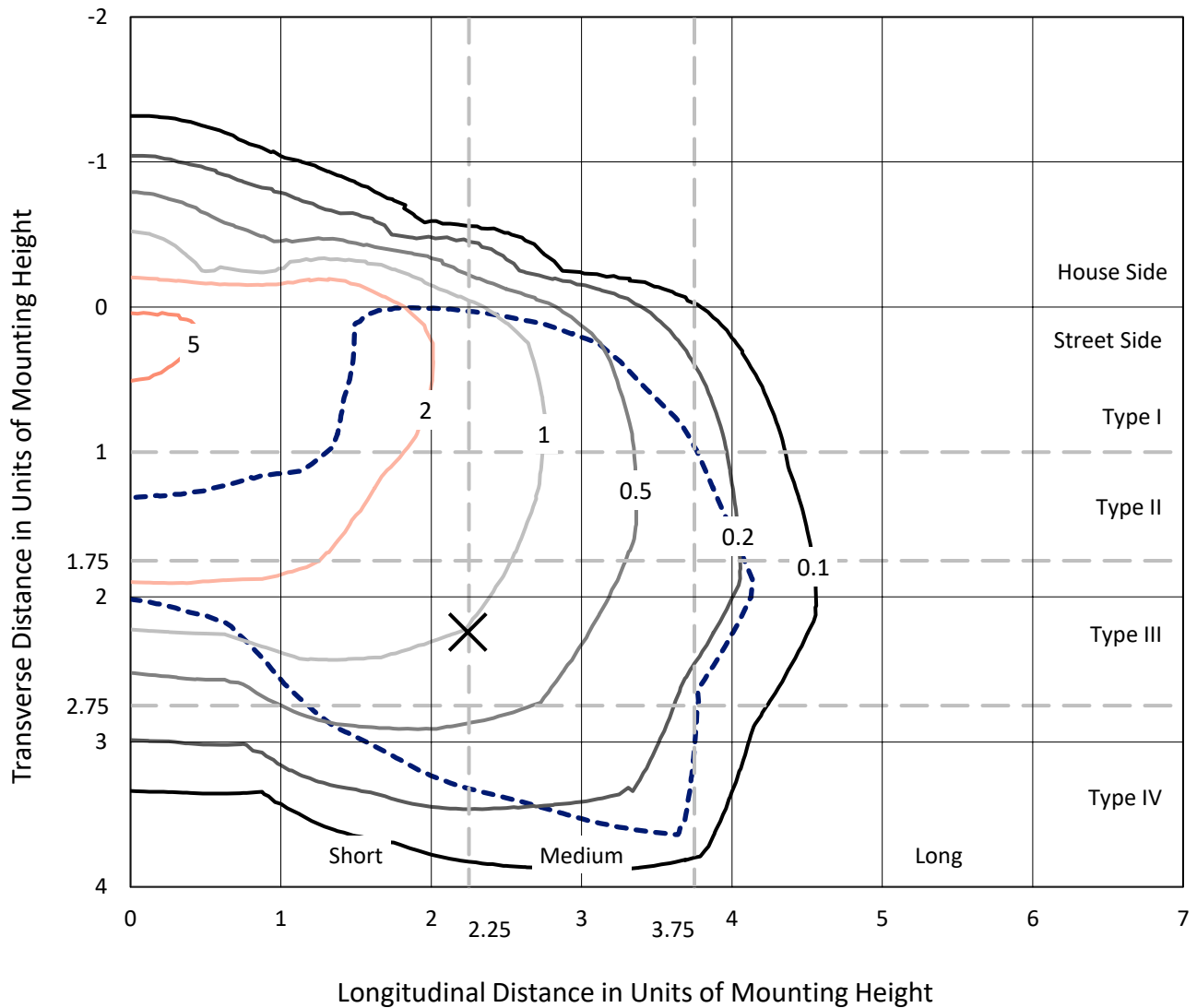
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

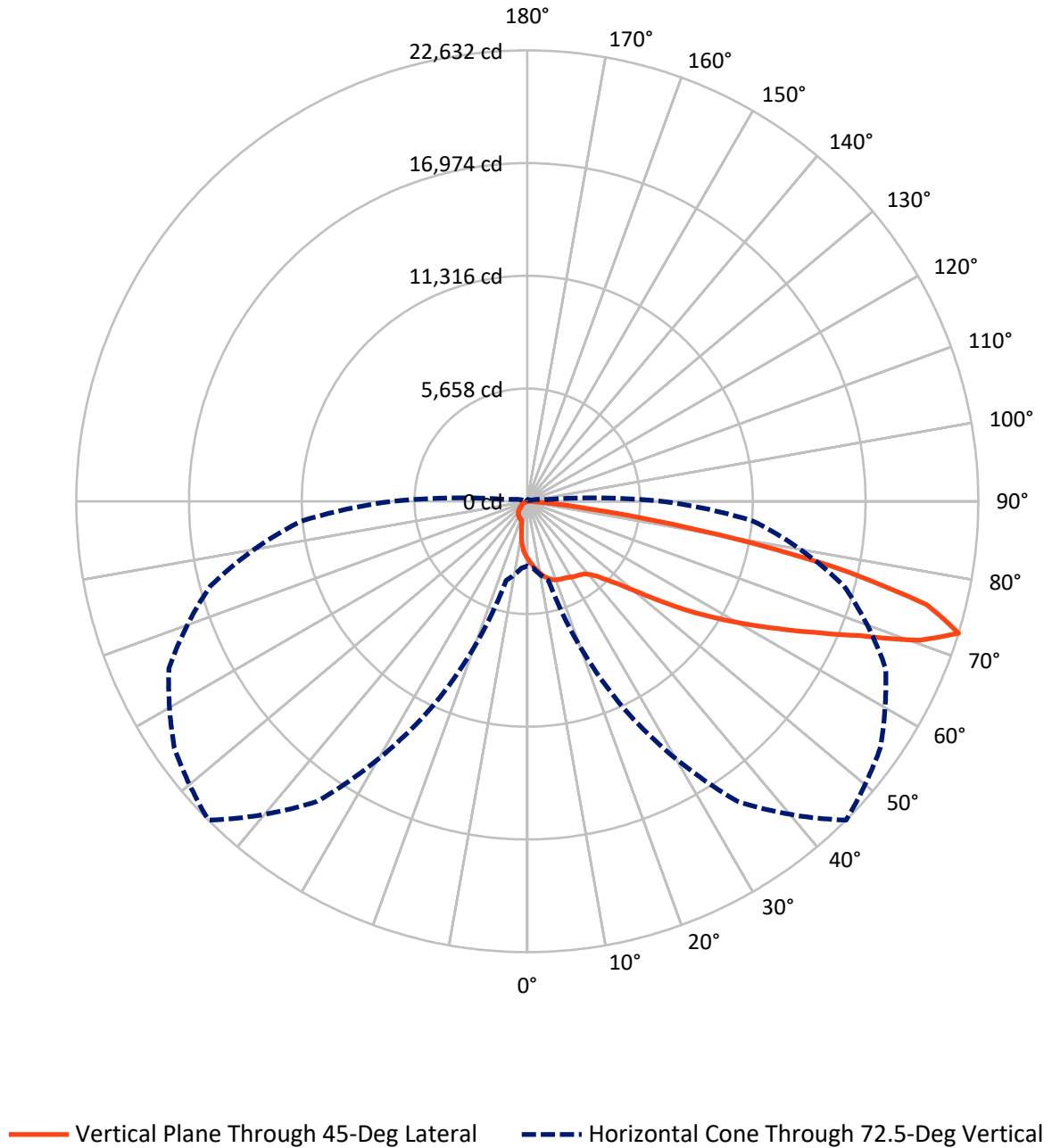
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2763.7	0.0	2763.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	23539.3	0.0	23539.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	26303.0	0.0	26303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	1.0
10°-20°	793.5	3.0
20°-30°	1303.0	5.0
30°-40°	1848.0	7.0
40°-50°	3054.5	11.6
50°-60°	5487.1	20.9
60°-70°	7619.1	29.0
70°-80°	5526.7	21.0
80°-90°	399.6	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°	26303.0	100.0
0°-180°	26303.0	100.0

Coefficient of Utilization



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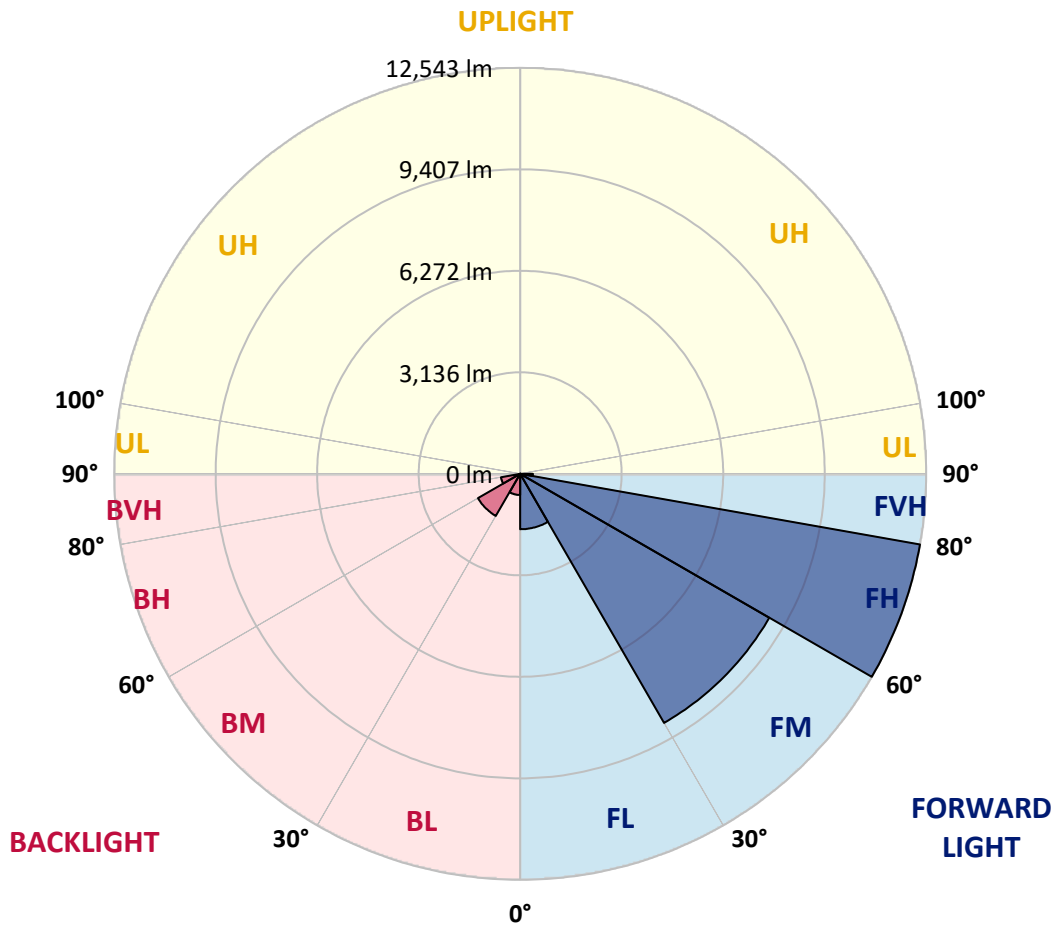
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.4	6.5			
FM (30°-60°)	8886.5	33.8			
FH (60°-80°)	12543.2	47.7			G5
FVH (80°-90°)	396.2	1.5			G3/500
BL (0°-30°)	654.6	2.5	B2/1000		
BM (30°-60°)	1503.1	5.7	B2/2500		
BH (60°-80°)	602.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.4	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°	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5
2.5°	3147.3	3152.6	3149.1	3127.5	3091.6	3071.9	3061.1	3025.2	3001.8	2960.5
5°	3436.3	3457.9	3445.3	3402.2	3334.0	3285.5	3271.1	3197.5	3131.1	3053.9
7.5°	3743.3	3754.1	3730.8	3675.1	3583.5	3500.9	3488.4	3386.0	3280.1	3161.6
10°	4009.0	4021.6	3985.7	3904.9	3800.8	3698.4	3680.5	3567.4	3441.7	3296.3
12.5°	4231.7	4244.2	4197.5	4100.6	3985.7	3879.8	3861.8	3743.3	3605.1	3443.5
15°	4400.4	4423.8	4360.9	4256.8	4132.9	4027.0	4018.0	3901.3	3766.7	3587.1
17.5°	4499.2	4522.5	4463.3	4337.6	4231.7	4141.9	4131.1	4034.2	3908.5	3736.1
20°	4515.3	4536.9	4474.0	4364.5	4276.5	4204.7	4199.3	4129.3	4037.8	3872.6
22.5°	4466.9	4493.8	4436.3	4348.4	4287.3	4249.6	4242.4	4202.9	4150.9	4010.8
25°	4416.6	4438.1	4395.0	4317.8	4285.5	4281.9	4287.3	4280.1	4269.4	4150.9
27.5°	4413.0	4436.3	4387.9	4314.2	4296.3	4334.0	4339.4	4373.5	4382.5	4278.3
30°	4443.5	4459.7	4413.0	4335.8	4326.8	4413.0	4414.8	4475.8	4490.2	4386.1
32.5°	4509.9	4527.9	4481.2	4368.1	4355.5	4475.8	4481.2	4562.0	4585.3	4501.0
35°	4666.1	4687.7	4633.8	4457.9	4413.0	4535.1	4551.2	4646.4	4693.1	4623.0
37.5°	5055.7	4992.9	4919.3	4639.2	4544.1	4628.4	4655.4	4766.7	4849.3	4768.5
40°	6023.4	5825.9	5596.1	4948.0	4773.9	4827.7	4849.3	4960.6	5073.7	4994.7
42.5°	7475.9	7242.5	6872.6	5659.0	5120.4	5147.3	5163.4	5260.4	5420.2	5357.3
45°	8770.3	8685.9	8308.9	6872.6	5768.5	5635.6	5655.4	5705.6	5940.8	5917.5
47.5°	9765.0	9716.5	9425.6	8265.8	6863.7	6233.5	6289.1	6312.5	6651.8	6734.4
50°	10529.8	10511.8	10251.5	9504.6	8294.6	7115.0	7134.8	7084.5	7592.6	7797.2
52.5°	11251.5	11312.6	11120.4	10655.4	9822.4	8269.4	8265.8	8028.8	8714.7	9023.5
55°	11903.2	11924.8	11944.5	11829.6	11359.2	9583.6	9549.5	9161.7	10016.3	10335.9
57.5°	12515.4	12524.4	12700.4	12935.6	12958.9	10994.8	10931.9	10466.9	11438.2	11666.2
60°	12926.6	12967.9	13339.5	13993.0	14278.5	12450.8	12416.7	11942.7	12885.3	12991.2
62.5°	12334.1	12585.5	13522.6	14818.9	15524.5	14064.8	14048.7	13603.4	14407.7	14321.6
65°	9984.0	10409.5	12057.6	15377.2	16747.1	15867.4	15890.7	15416.7	15971.5	15691.4
67.5°	6983.9	7432.8	9382.5	15422.1	18113.4	17984.1	18118.8	17375.5	17632.2	17003.8
70°	4829.5	5061.1	6330.4	14456.2	19178.0	20899.8	20896.2	19781.3	19283.9	17601.7
72.5°	3247.8	3368.1	4111.4	11468.7	18395.2	22632.3	22528.2	21619.7	19840.5	16461.6
75°	1369.9	1457.8	1903.1	6445.3	14553.2	20705.9	20424.0	19106.2	17628.6	12962.5
77.5°	434.5	472.2	750.5	2307.0	8016.3	15564.0	15265.9	11931.9	11815.3	6502.8
80°	206.5	240.6	421.9	926.4	3154.4	8465.1	8423.8	5413.0	5082.7	1755.9
82.5°	89.8	105.9	233.4	495.5	1411.2	3019.8	3080.8	1842.0	1524.3	666.1
85°	28.7	37.7	107.7	228.0	596.1	750.5	741.5	438.1	614.0	362.7
87.5°	0.0	0.0	35.9	52.1	61.0	43.1	48.5	37.7	170.6	100.5
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°
2881.5	0°	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5
2917.5	2.5°	2895.9	2867.2	2816.9	2770.2	2728.9	2687.7	2662.5	2626.6	2623.0	2623.0
2964.1	5°	2915.7	2869.0	2779.2	2684.1	2574.5	2470.4	2366.3	2265.7	2233.4	2210.1
3039.5	7.5°	2973.1	2899.5	2757.7	2576.3	2368.1	2140.1	1980.3	1807.9	1741.5	1705.6
3140.1	10°	3055.7	2955.2	2739.7	2421.9	2084.4	1773.8	1545.8	1359.1	1287.3	1256.8
3249.6	12.5°	3147.3	3023.4	2707.4	2229.8	1773.8	1402.2	1179.6	1093.4	1082.6	1082.6
3380.7	15°	3256.8	3106.0	2651.7	2003.6	1448.9	1109.5	1030.5	1034.1	1044.9	1052.1
3508.1	17.5°	3369.9	3193.9	2563.8	1750.5	1161.6	998.2	1000.0	1005.4	1014.4	1021.6
3646.4	20°	3492.0	3281.9	2447.1	1481.2	996.4	965.9	971.3	976.7	983.9	987.4
3775.6	22.5°	3623.0	3364.5	2308.8	1217.3	940.8	939.0	940.8	946.2	955.1	955.1
3926.4	25°	3763.1	3456.1	2150.8	1025.1	912.0	912.0	915.6	919.2	926.4	926.4
4071.9	27.5°	3906.7	3540.4	1983.9	924.6	886.9	885.1	885.1	890.5	894.1	895.9
4215.5	30°	4064.7	3639.2	1816.9	903.1	867.2	858.2	852.8	856.4	860.0	861.8
4366.3	32.5°	4226.3	3734.3	1667.9	912.0	847.4	831.3	813.3	809.7	809.7	816.9
4522.5	35°	4405.8	3838.5	1553.0	942.6	836.6	791.8	763.0	746.9	748.7	759.4
4709.2	37.5°	4621.3	3964.2	1468.6	969.5	829.5	746.9	700.2	680.4	667.9	680.4
4966.0	40°	4903.1	4149.1	1407.6	991.0	820.5	694.8	632.0	599.6	576.3	583.5
5364.5	42.5°	5317.9	4439.9	1384.2	992.8	800.7	633.8	561.9	518.9	484.7	486.5
5964.2	45°	5899.5	4899.5	1504.5	969.5	757.6	567.3	488.3	430.9	409.3	404.0
6860.1	47.5°	6696.7	5569.2	1782.8	921.0	694.8	502.7	416.5	368.0	351.9	342.9
8036.0	50°	7764.9	6429.2	2091.6	867.2	632.0	441.7	357.3	326.8	316.0	307.0
9431.0	52.5°	9003.7	7301.7	2344.7	813.3	569.1	387.8	319.6	301.6	292.6	285.5
10777.5	55°	10140.2	7903.2	2330.4	755.8	508.1	344.7	292.6	281.9	271.1	263.9
11937.3	57.5°	10847.6	7987.5	1921.0	693.0	438.1	310.6	267.5	260.3	247.8	238.8
12940.9	60°	11172.5	7506.4	1346.5	610.4	368.0	278.3	240.6	237.0	220.8	208.3
13890.7	62.5°	11231.8	6612.3	897.7	508.1	307.0	247.8	213.6	208.3	186.7	165.2
14662.7	65°	10991.2	5334.0	621.2	396.8	262.1	215.4	183.1	172.4	149.0	127.5
14845.8	67.5°	10229.9	3745.1	432.7	285.5	222.6	170.6	145.4	141.8	123.9	105.9
13912.2	70°	8835.0	2134.7	289.1	213.6	175.9	116.7	114.9	118.5	100.5	86.2
11366.4	72.5°	6773.9	976.7	179.5	156.2	120.3	79.0	91.6	93.4	77.2	64.6
7091.7	75°	3987.5	418.3	113.1	100.5	61.0	52.1	66.4	68.2	52.1	41.3
2592.5	77.5°	1357.3	158.0	71.8	59.2	30.5	28.7	43.1	43.1	28.7	16.2
520.7	80°	308.8	59.2	35.9	23.3	14.4	12.6	14.4	12.6	7.2	1.8
159.8	82.5°	88.0	23.3	14.4	9.0	5.4	5.4	1.8	0.0	0.0	0.0
55.7	85°	25.1	10.8	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
19.7	87.5°	10.8	1.8	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>
2881.5
2632.0
2220.9
1711.0
1256.8
1082.6
1052.1
1021.6
989.2
958.7
928.2
897.7
865.4
822.3
764.8
676.8
579.9
479.4
396.8
337.5
305.2
283.7
260.3
237.0
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