

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: P952892

Luminaire Tested: **GALN-SB6C-835-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952892
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-SB6C-835-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 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: 32447 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

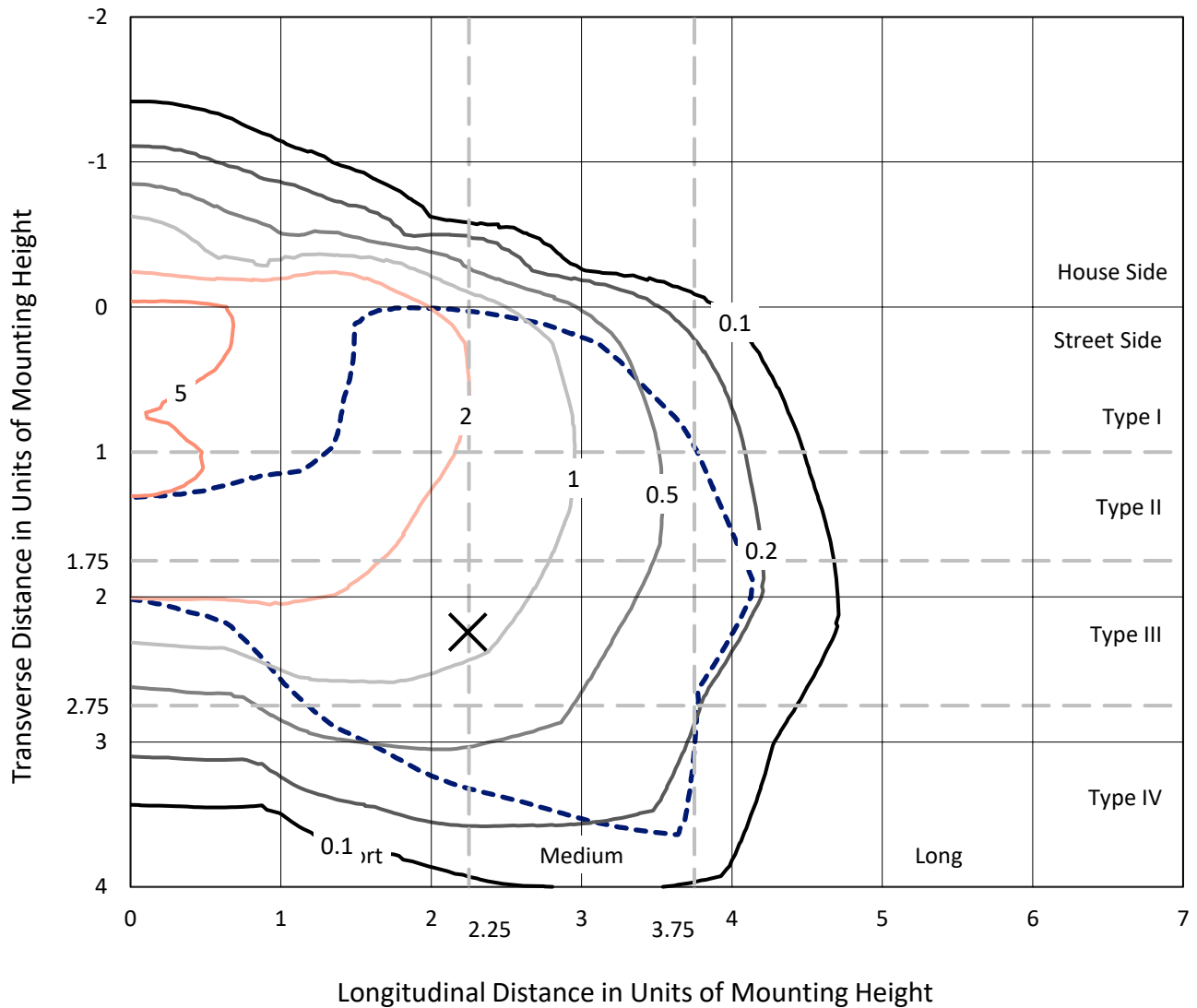
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

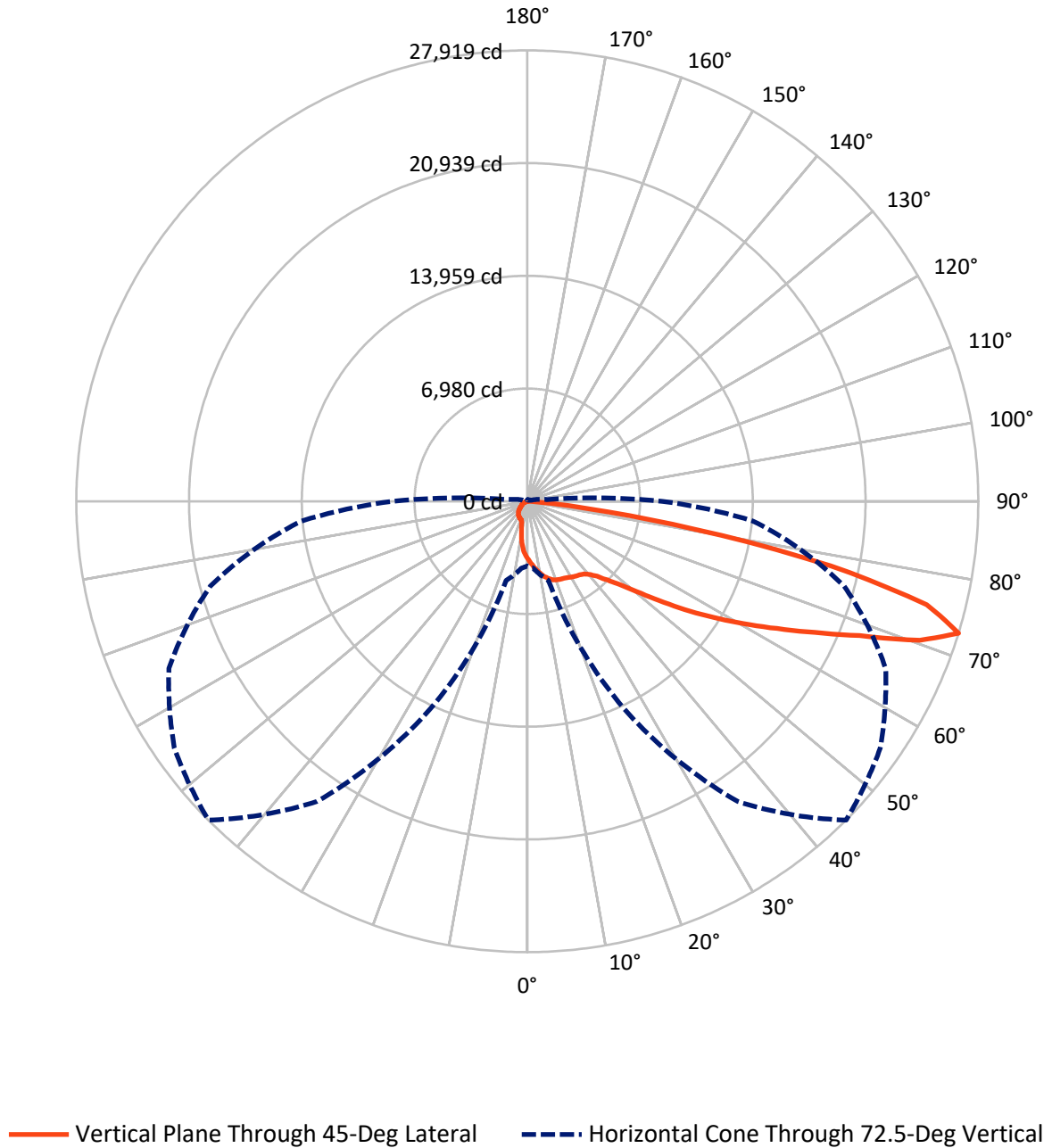
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	3409.3	0.0	3409.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	29037.7	0.0	29037.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	32447.0	0.0	32447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.9	1.0
10°-20°	978.8	3.0
20°-30°	1607.4	5.0
30°-40°	2279.6	7.0
40°-50°	3768.0	11.6
50°-60°	6768.8	20.9
60°-70°	9398.9	29.0
70°-80°	6817.6	21.0
80°-90°	492.9	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°	32447.0	100.0
0°-180°	32447.0	100.0

Coefficient of Utilization



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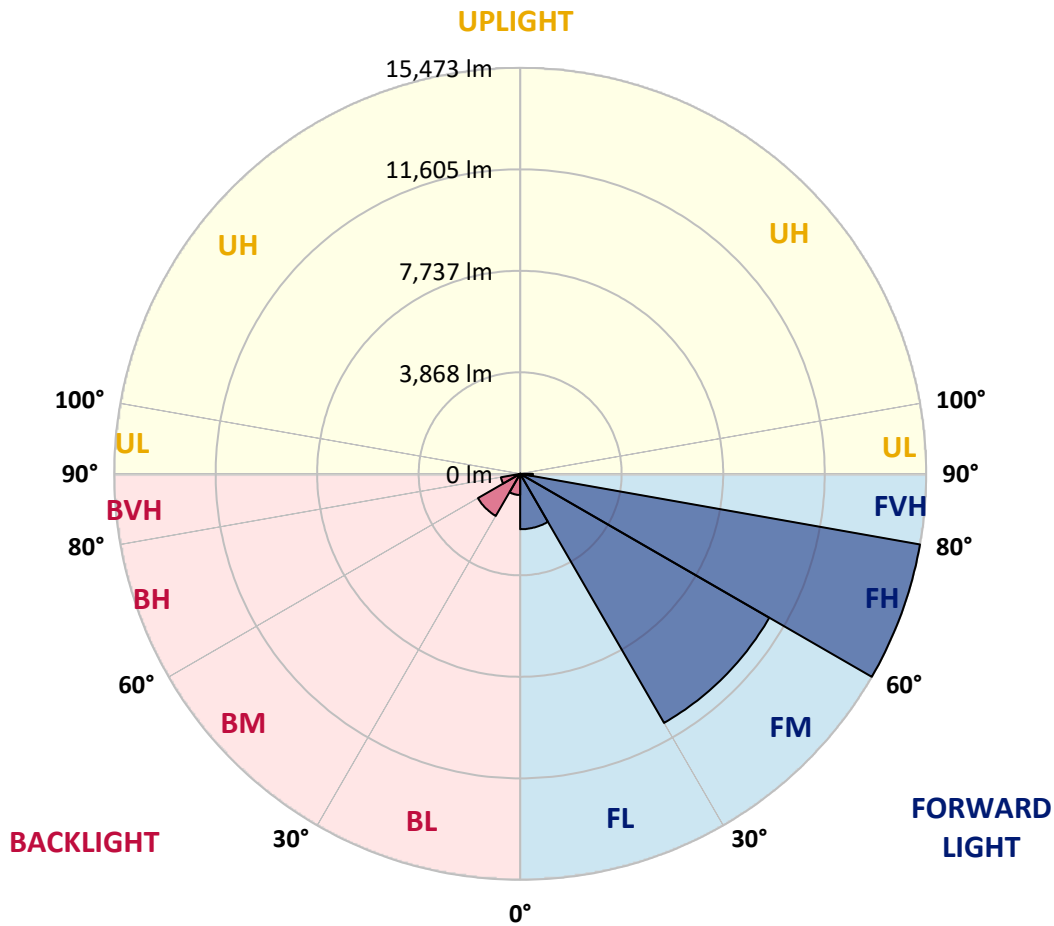
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2113.6	6.5			
FM (30°-60°)	10962.3	33.8			
FH (60°-80°)	15473.1	47.7			G5
FVH (80°-90°)	488.8	1.5			G3/500
BL (0°-30°)	807.5	2.5	B2/1000		
BM (30°-60°)	1854.2	5.7	B2/2500		
BH (60°-80°)	743.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.1	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°	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6
2.5°	3882.4	3889.1	3884.6	3858.1	3813.8	3789.4	3776.1	3731.8	3703.0	3652.1
5°	4239.0	4265.6	4250.1	4196.9	4112.7	4053.0	4035.2	3944.4	3862.5	3767.3
7.5°	4617.7	4631.0	4602.2	4533.5	4420.6	4318.7	4303.2	4177.0	4046.3	3900.1
10°	4945.5	4961.0	4916.7	4817.0	4688.6	4562.3	4540.2	4400.7	4245.6	4066.2
12.5°	5220.1	5235.6	5178.0	5058.4	4916.7	4786.0	4763.9	4617.7	4447.2	4247.8
15°	5428.3	5457.1	5379.6	5251.1	5098.3	4967.6	4956.6	4812.6	4646.5	4425.0
17.5°	5550.1	5578.9	5505.8	5350.8	5220.1	5109.4	5096.1	4976.5	4821.5	4608.8
20°	5570.0	5596.6	5519.1	5384.0	5275.5	5186.9	5180.2	5093.9	4980.9	4777.2
22.5°	5510.2	5543.5	5472.6	5364.1	5288.8	5242.3	5233.4	5184.7	5120.5	4947.7
25°	5448.2	5474.8	5421.7	5326.4	5286.6	5282.1	5288.8	5279.9	5266.6	5120.5
27.5°	5443.8	5472.6	5412.8	5322.0	5299.8	5346.4	5353.0	5395.1	5406.2	5277.7
30°	5481.5	5501.4	5443.8	5348.6	5337.5	5443.8	5446.0	5521.3	5539.0	5410.6
32.5°	5563.4	5585.5	5528.0	5388.4	5372.9	5521.3	5528.0	5627.6	5656.4	5552.3
35°	5756.1	5782.7	5716.2	5499.2	5443.8	5594.4	5614.3	5731.7	5789.3	5702.9
37.5°	6236.7	6159.2	6068.4	5722.9	5605.5	5709.6	5742.8	5880.1	5982.0	5882.3
40°	7430.4	7186.8	6903.3	6103.8	5889.0	5955.4	5982.0	6119.3	6258.8	6161.4
42.5°	9222.1	8934.2	8478.0	6980.8	6316.4	6349.6	6369.6	6489.2	6686.3	6608.7
45°	10818.9	10714.9	10249.8	8478.0	7115.9	6952.0	6976.4	7038.4	7328.5	7299.7
47.5°	12045.9	11986.1	11627.3	10196.6	8466.9	7689.5	7758.2	7787.0	8205.6	8307.4
50°	12989.4	12967.2	12646.1	11724.8	10232.0	8777.0	8801.3	8739.3	9366.1	9618.6
52.5°	13879.7	13955.0	13718.0	13144.4	12116.8	10201.0	10196.6	9904.3	10750.3	11131.2
55°	14683.6	14710.2	14734.6	14592.8	14012.6	11822.2	11780.1	11301.8	12356.0	12750.2
57.5°	15438.9	15449.9	15667.0	15957.1	15985.9	13563.0	13485.5	12911.9	14110.0	14391.3
60°	15946.0	15997.0	16455.4	17261.6	17613.7	15359.1	15317.1	14732.4	15895.1	16025.8
62.5°	15215.2	15525.2	16681.3	18280.4	19150.7	17350.2	17330.2	16781.0	17773.2	17666.9
65°	12316.1	12841.0	14874.1	18969.1	20659.0	19573.8	19602.6	19017.9	19702.2	19356.7
67.5°	8615.3	9169.0	11574.2	19024.5	22344.4	22184.9	22351.0	21434.1	21750.8	20975.7
70°	5957.6	6243.3	7809.1	17833.0	23657.7	25781.6	25777.2	24401.9	23788.4	21713.2
72.5°	4006.4	4154.8	5071.7	14147.7	22692.1	27918.9	27790.4	26669.8	24475.0	20306.8
75°	1689.8	1798.4	2347.6	7950.9	17952.6	25542.5	25194.7	23569.1	21746.4	15990.3
77.5°	536.0	582.5	925.8	2845.9	9888.8	19199.5	18831.8	14719.1	14575.1	8021.7
80°	254.7	296.8	520.5	1142.8	3891.3	10442.4	10391.5	6677.4	6269.9	2166.0
82.5°	110.7	130.7	287.9	611.3	1740.8	3725.2	3800.5	2272.3	1880.3	821.7
85°	35.4	46.5	132.9	281.3	735.3	925.8	914.7	540.4	757.4	447.4
87.5°	0.0	0.0	44.3	64.2	75.3	53.2	59.8	46.5	210.4	124.0
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°
3554.6	0°	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6	3554.6
3598.9	2.5°	3572.4	3536.9	3474.9	3417.3	3366.4	3315.4	3284.4	3240.1	3235.7	3235.7
3656.5	5°	3596.7	3539.1	3428.4	3311.0	3175.9	3047.5	2919.0	2795.0	2755.1	2726.3
3749.5	7.5°	3667.6	3576.8	3401.8	3178.1	2921.2	2640.0	2442.8	2230.2	2148.3	2104.0
3873.6	10°	3769.5	3645.4	3379.7	2987.7	2571.3	2188.2	1906.9	1676.5	1588.0	1550.3
4008.7	12.5°	3882.4	3729.6	3339.8	2750.7	2188.2	1729.7	1455.1	1348.8	1335.5	1335.5
4170.3	15°	4017.5	3831.5	3271.2	2471.6	1787.3	1368.7	1271.3	1275.7	1289.0	1297.8
4327.6	17.5°	4157.0	3940.0	3162.6	2159.4	1432.9	1231.4	1233.6	1240.2	1251.3	1260.2
4498.1	20°	4307.6	4048.5	3018.7	1827.2	1229.2	1191.5	1198.2	1204.8	1213.7	1218.1
4657.6	22.5°	4469.3	4150.4	2848.1	1501.6	1160.5	1158.3	1160.5	1167.2	1178.2	1178.2
4843.6	25°	4642.1	4263.4	2653.2	1264.6	1125.1	1125.1	1129.5	1133.9	1142.8	1142.8
5023.0	27.5°	4819.2	4367.4	2447.3	1140.6	1094.1	1091.9	1091.9	1098.5	1102.9	1105.1
5200.2	30°	5014.1	4489.3	2241.3	1114.0	1069.7	1058.6	1052.0	1056.4	1060.9	1063.1
5386.2	32.5°	5213.5	4606.6	2057.5	1125.1	1045.4	1025.4	1003.3	998.8	998.8	1007.7
5578.9	35°	5434.9	4735.1	1915.7	1162.7	1032.1	976.7	941.3	921.3	923.5	936.8
5809.2	37.5°	5700.7	4890.1	1811.6	1196.0	1023.2	921.3	863.7	839.4	823.9	839.4
6125.9	40°	6048.4	5118.2	1736.3	1222.5	1012.1	857.1	779.6	739.7	710.9	719.8
6617.6	42.5°	6560.0	5477.0	1707.6	1224.7	987.8	781.8	693.2	640.1	598.0	600.2
7357.3	45°	7277.6	6044.0	1855.9	1196.0	934.6	699.9	602.4	531.5	505.0	498.3
8462.5	47.5°	8260.9	6870.1	2199.2	1136.2	857.1	620.1	513.8	454.0	434.1	423.0
9913.1	50°	9578.7	7930.9	2580.2	1069.7	779.6	544.8	440.7	403.1	389.8	378.7
11634.0	52.5°	11106.9	9007.3	2892.4	1003.3	702.1	478.4	394.2	372.1	361.0	352.1
13295.0	55°	12508.8	9749.2	2874.7	932.4	626.8	425.2	361.0	347.7	334.4	325.6
14725.7	57.5°	13381.4	9853.3	2369.8	854.9	540.4	383.1	330.0	321.1	305.6	294.6
15963.8	60°	13782.3	9259.8	1661.0	753.0	454.0	343.3	296.8	292.3	272.4	256.9
17135.3	62.5°	13855.3	8156.8	1107.4	626.8	378.7	305.6	263.6	256.9	230.3	203.8
18087.7	65°	13558.6	6580.0	766.3	489.5	323.4	265.8	225.9	212.6	183.8	157.2
18313.6	67.5°	12619.5	4619.9	533.7	352.1	274.6	210.4	179.4	175.0	152.8	130.7
17161.9	70°	10898.7	2633.3	356.6	263.6	217.0	144.0	141.7	146.2	124.0	106.3
14021.4	72.5°	8356.2	1204.8	221.5	192.7	148.4	97.4	113.0	115.2	95.2	79.7
8748.2	75°	4918.9	516.0	139.5	124.0	75.3	64.2	81.9	84.2	64.2	50.9
3198.1	77.5°	1674.3	194.9	88.6	73.1	37.7	35.4	53.2	53.2	35.4	19.9
642.3	80°	380.9	73.1	44.3	28.8	17.7	15.5	17.7	15.5	8.9	2.2
197.1	82.5°	108.5	28.8	17.7	11.1	6.6	6.6	2.2	0.0	0.0	0.0
68.7	85°	31.0	13.3	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
24.4	87.5°	13.3	2.2	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>
3554.6
3246.8
2739.6
2110.6
1550.3
1335.5
1297.8
1260.2
1220.3
1182.7
1145.0
1107.4
1067.5
1014.3
943.5
835.0
715.4
591.3
489.5
416.4
376.5
349.9
321.1
292.3
252.5
190.5
148.4
124.0
97.4
70.9
44.3
15.5
0.0
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0.0
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