

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: P942536

Luminaire Tested: **GALN-SB6C-830-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-830-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

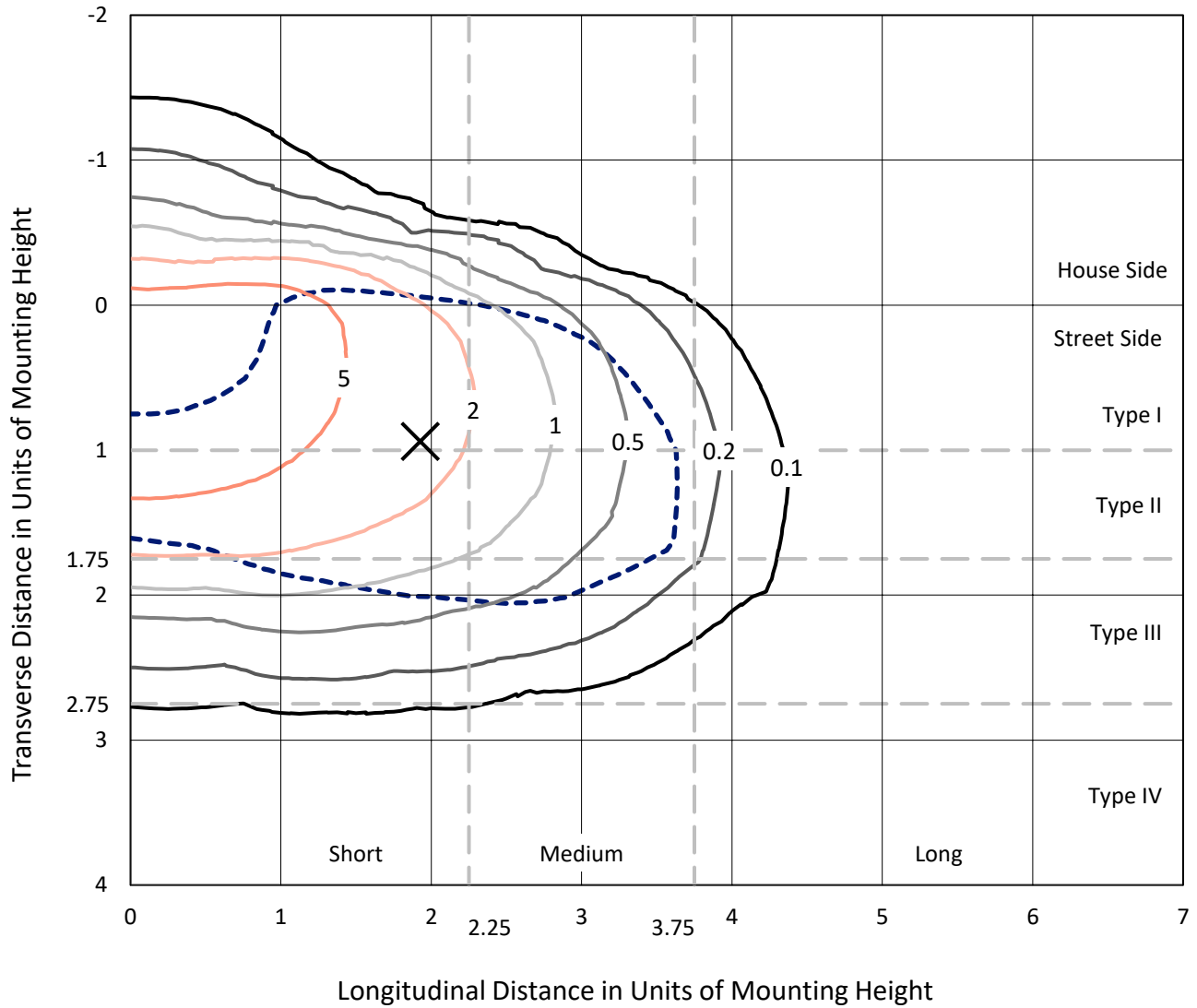
Lumens per Lamp: N/A  
Luminaire Lumens: 32004 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

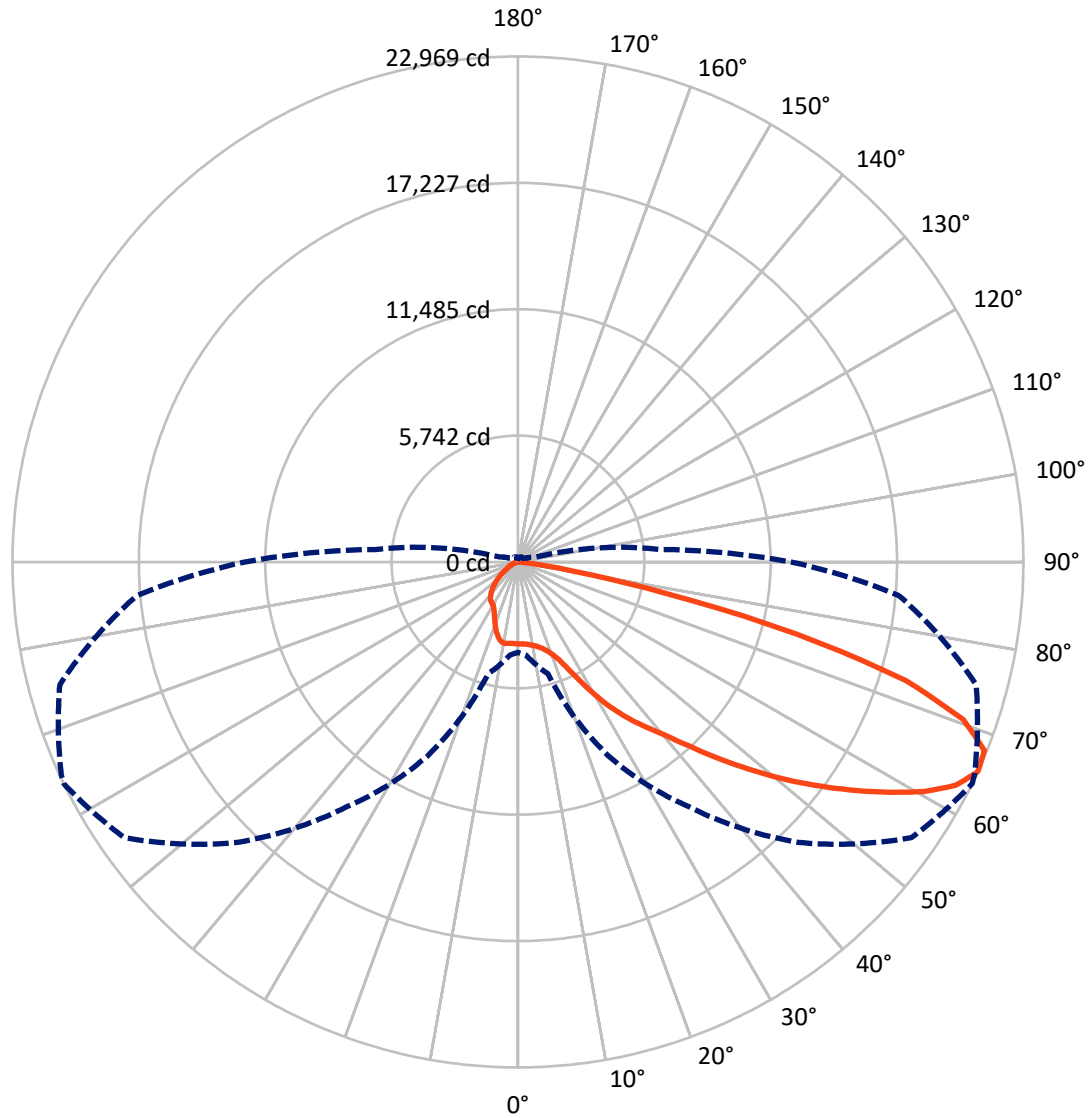
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4279.9	0.0	4279.9
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	27724.1	0.0	27724.1
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	32004.0	0.0	32004.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	343.4	1.1
10°-20°	931.5	2.9
20°-30°	1765.1	5.5
30°-40°	3571.7	11.2
40°-50°	6084.4	19.0
50°-60°	8274.3	25.9
60°-70°	7769.9	24.3
70°-80°	3113.0	9.7
80°-90°	150.8	0.5
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°	32004.0	100.0
0°-180°	32004.0	100.0

**Coefficient of Utilization**



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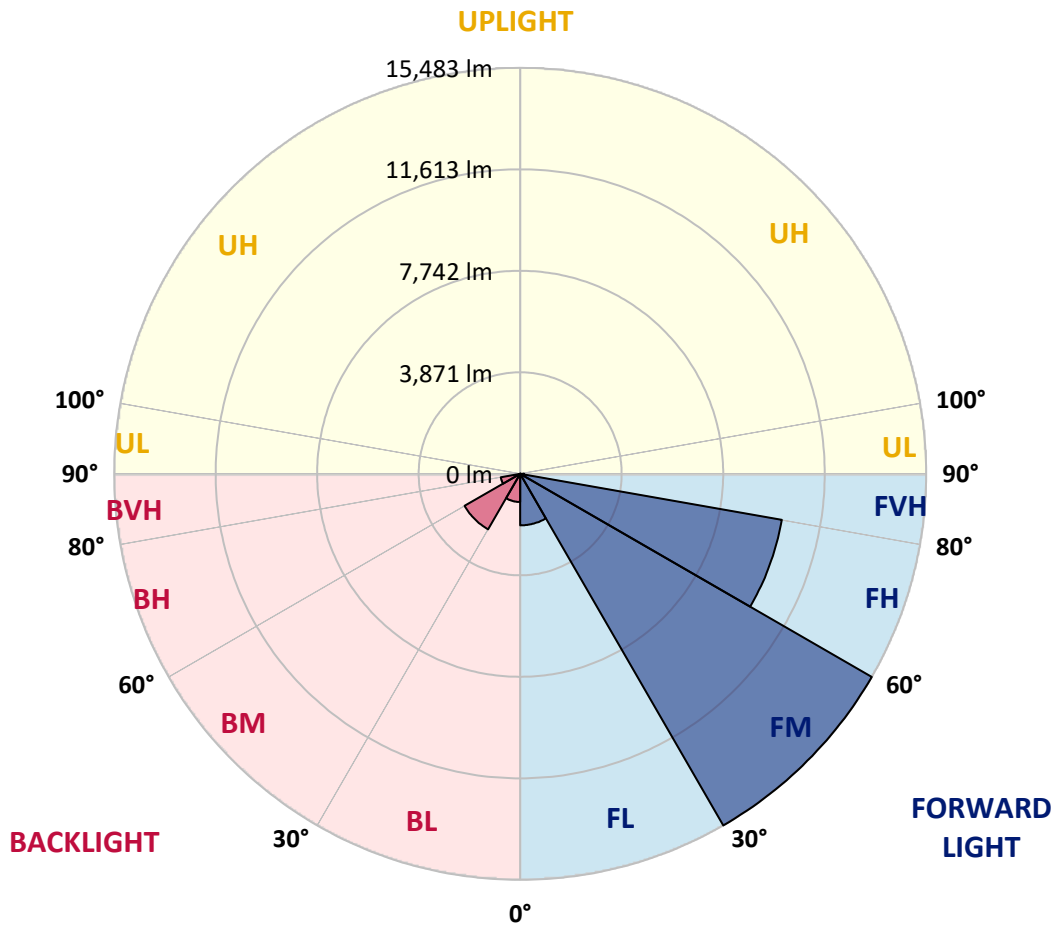
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1965.4	6.1			
FM (30°-60°)	15483.5	48.4			
FH (60°-80°)	10131.7	31.7			G4/12000
FVH (80°-90°)	143.4	0.4			G2/225
BL (0°-30°)	1074.6	3.4	B3/2500		
BM (30°-60°)	2446.8	7.6	B2/2500		
BH (60°-80°)	751.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4
2.5°	3709.5	3735.3	3728.8	3722.4	3720.3	3724.5	3726.7	3724.5	3724.5	3724.5
5°	3638.7	3660.2	3660.2	3675.2	3696.7	3722.4	3741.7	3746.0	3750.3	3756.7
7.5°	3503.6	3520.7	3533.6	3582.9	3636.6	3705.2	3763.2	3793.2	3797.5	3821.1
10°	3411.3	3432.8	3454.2	3505.7	3582.9	3685.9	3784.6	3857.6	3868.3	3924.1
12.5°	3407.0	3428.5	3456.4	3512.1	3602.3	3711.7	3831.8	3936.9	3956.3	4037.8
15°	3452.1	3477.8	3503.6	3572.2	3668.8	3801.8	3930.5	4061.4	4080.7	4196.5
17.5°	3544.3	3578.7	3598.0	3666.6	3769.6	3917.6	4087.1	4237.3	4254.5	4389.6
20°	3726.7	3767.5	3773.9	3829.7	3930.5	4089.3	4290.9	4477.6	4499.1	4653.5
22.5°	4104.3	4162.2	4110.7	4138.6	4228.7	4387.5	4606.3	4842.3	4872.4	5048.3
25°	4769.4	4850.9	4717.9	4670.7	4709.3	4874.5	5149.1	5447.4	5481.7	5623.3
27.5°	6076.0	5970.9	5769.2	5571.8	5455.9	5550.3	5859.3	6228.3	6271.2	6408.5
30°	7511.3	7419.0	7146.6	6708.9	6434.3	6419.3	6704.6	7116.5	7165.9	7296.8
32.5°	8948.8	8860.8	8564.7	8026.2	7549.9	7313.9	7511.3	7968.3	7994.0	8077.7
35°	10362.6	10272.5	9976.5	9425.1	8839.4	8303.0	8264.4	8779.3	8787.9	8875.8
37.5°	11785.1	11710.0	11394.6	10854.0	10276.8	9536.6	9178.3	9547.4	9558.1	9643.9
40°	12799.9	12832.1	12615.4	12197.0	11701.4	10892.6	10203.9	10364.8	10300.4	10444.2
42.5°	13671.0	13735.3	13546.5	13336.3	13048.8	12336.5	11474.0	11446.1	11343.1	11420.4
45°	14424.0	14477.7	14308.2	14258.8	14252.4	13752.5	12862.1	12694.8	12551.0	12536.0
47.5°	14700.8	14803.8	14876.7	15041.9	15363.7	15153.5	14297.4	14037.8	13876.9	13758.9
50°	14805.9	14915.3	15164.2	15644.8	16406.4	16496.6	15726.3	15434.5	15237.2	15022.6
52.5°	14664.3	14859.6	15194.2	16003.1	17108.0	17573.6	17097.3	16842.0	16616.7	16267.0
55°	13829.7	14025.0	14709.4	15998.8	17457.7	18328.8	18393.1	18279.4	18026.3	17474.9
57.5°	12070.4	12360.1	13443.5	15453.8	17451.3	18978.9	19663.3	19744.8	19461.6	18672.1
60°	9633.2	10025.8	11347.4	14245.9	16912.8	19330.7	20776.8	21184.4	20884.0	19852.1
62.5°	6721.8	7176.6	8427.4	12353.6	15681.3	19077.6	21589.9	22343.0	22115.5	20907.6
65°	4100.0	4245.9	5254.3	9721.1	13587.3	18017.7	21840.9	22969.4	22894.4	21553.4
67.5°	2731.2	2853.5	3143.1	6666.0	10547.2	15900.1	21240.2	22860.0	22881.5	21448.3
70°	1645.6	1750.7	1939.5	3876.9	6835.5	12585.4	19380.1	21465.5	21589.9	20043.0
72.5°	678.0	748.8	920.4	1757.1	3540.0	7987.6	15432.4	18429.6	18719.3	16852.7
75°	384.0	420.5	540.7	881.8	1536.2	3722.4	9347.8	13083.1	13510.1	11615.6
77.5°	255.3	272.5	349.7	570.7	864.6	1270.1	3994.9	6816.2	7631.5	6344.2
80°	171.6	186.7	240.3	381.9	562.1	545.0	1272.3	2525.2	3106.6	2179.8
82.5°	115.9	118.0	171.6	251.0	356.1	263.9	375.5	785.2	986.9	630.8
85°	66.5	64.4	126.6	145.9	158.8	109.4	113.7	236.0	308.9	266.0
87.5°	8.6	12.9	49.3	38.6	21.5	23.6	23.6	40.8	60.1	64.4
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°
3722.4	0°	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4	3722.4
3726.7	2.5°	3726.7	3724.5	3718.1	3711.7	3696.7	3688.1	3692.4	3688.1	3685.9	3688.1
3754.6	5°	3754.6	3748.1	3731.0	3709.5	3679.5	3643.0	3619.4	3585.1	3552.9	3533.6
3829.7	7.5°	3829.7	3823.2	3799.6	3739.6	3643.0	3490.7	3351.2	3228.9	3136.7	3083.0
3949.8	10°	3949.8	3939.1	3902.6	3769.6	3516.4	3183.9	2907.1	2677.6	2527.4	2456.6
4091.4	12.5°	4091.4	4078.5	4014.2	3741.7	3276.1	2756.9	2375.0	2119.7	1980.3	1918.1
4254.5	15°	4258.8	4241.6	4115.0	3608.7	2926.4	2284.9	1935.2	1744.3	1654.2	1598.4
4462.6	17.5°	4466.9	4436.8	4190.1	3409.2	2546.7	1924.5	1664.9	1521.1	1441.8	1388.1
4735.1	20°	4737.2	4687.9	4250.2	3171.0	2197.0	1697.1	1482.5	1362.4	1302.3	1255.1
5121.2	22.5°	5114.8	5044.0	4323.1	2913.6	1950.2	1540.5	1347.4	1259.4	1210.0	1156.4
5659.8	25°	5582.5	5498.9	4413.2	2675.4	1780.7	1405.3	1248.7	1175.7	1117.8	1055.6
6365.6	27.5°	6236.9	6086.7	4520.5	2480.2	1634.9	1289.4	1158.6	1077.0	1010.5	959.0
7165.9	30°	6966.4	6719.6	4614.9	2362.2	1501.8	1182.2	1040.6	959.0	896.8	860.3
7884.6	32.5°	7657.2	7322.5	4677.1	2310.7	1381.7	1059.9	911.8	823.9	776.7	765.9
8588.3	35°	8309.4	7867.5	4670.7	2261.3	1274.4	937.6	785.2	695.1	658.7	665.1
9345.7	37.5°	9060.3	8448.9	4625.6	2184.1	1186.4	826.0	675.8	596.4	564.3	566.4
10266.1	40°	9933.5	9120.4	4597.8	2038.2	1089.9	723.0	585.7	521.4	497.7	489.2
11235.8	42.5°	10864.7	9770.5	4602.0	1873.0	969.8	630.8	523.5	469.9	448.4	442.0
12315.0	45°	11800.1	10390.5	4608.5	1701.4	843.2	560.0	478.4	433.4	420.5	411.9
13409.2	47.5°	12679.8	10918.3	4488.3	1516.9	718.7	506.3	442.0	411.9	401.2	390.5
14507.7	50°	13499.3	11270.2	4198.7	1302.3	620.0	463.4	414.1	392.6	381.9	371.2
15503.2	52.5°	14136.5	11326.0	3720.3	1081.3	551.4	431.2	396.9	377.6	364.7	354.0
16307.7	55°	14419.7	10976.2	3040.1	875.4	497.7	403.3	379.7	360.4	345.4	334.7
16940.7	57.5°	14346.8	10240.3	2370.7	703.7	446.3	375.5	358.3	345.4	328.3	311.1
17453.4	60°	13988.5	9255.6	1787.2	585.7	399.1	345.4	334.7	324.0	300.4	274.6
17650.8	62.5°	13368.4	8017.6	1274.4	484.9	347.6	311.1	306.8	298.2	263.9	216.7
17359.0	65°	12420.1	6513.7	858.2	403.3	298.2	272.5	274.6	259.6	214.5	160.9
16290.6	67.5°	11034.2	4763.0	549.2	330.4	248.9	227.4	229.6	221.0	182.4	137.3
14265.3	70°	9268.4	3153.8	358.3	251.0	199.5	175.9	188.8	190.9	154.5	111.6
10948.4	72.5°	6794.7	1862.3	251.0	186.7	145.9	122.3	154.5	158.8	124.4	83.7
6586.6	75°	3872.6	883.9	188.8	135.2	90.1	85.8	120.1	120.1	85.8	55.8
2851.3	77.5°	1626.3	369.0	133.0	88.0	51.5	49.3	81.5	75.1	42.9	25.7
695.1	80°	469.9	165.2	70.8	42.9	21.5	19.3	32.2	23.6	10.7	4.3
263.9	82.5°	184.5	72.9	27.9	17.2	8.6	8.6	4.3	0.0	0.0	0.0
150.2	85°	109.4	30.0	12.9	6.4	2.1	0.0	0.0	0.0	0.0	0.0
32.2	87.5°	27.9	6.4	4.3	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>
3722.4
3696.7
3537.9
3085.2
2450.1
1911.6
1600.5
1383.8
1246.5
1147.8
1049.1
948.3
853.9
772.4
665.1
575.0
487.0
439.8
411.9
390.5
371.2
351.9
332.5
308.9
270.3
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156.6
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107.3
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