

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: P952881

Luminaire Tested: **GALN-SB6C-835-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952881  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
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-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

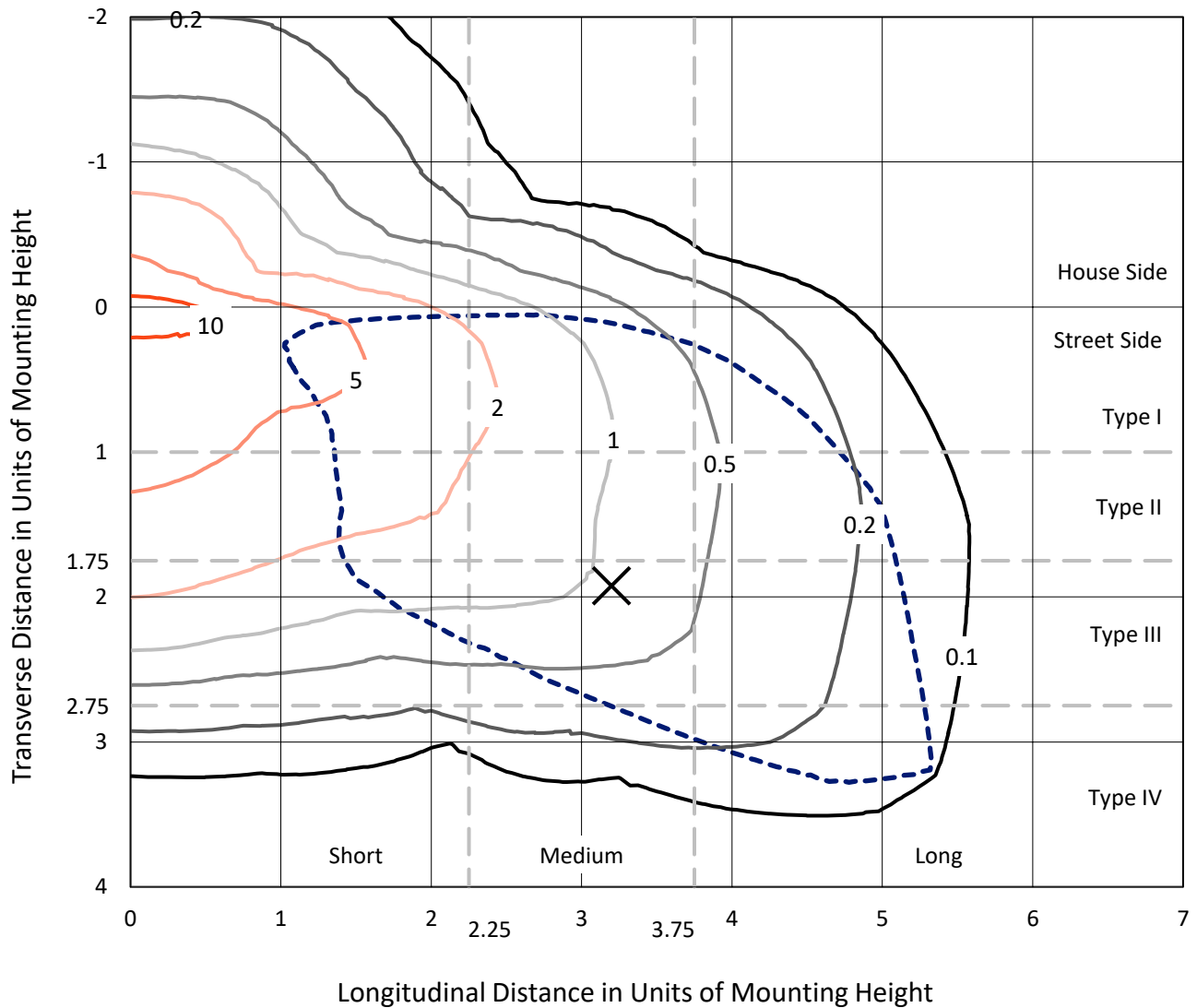
Lumens per Lamp: N/A  
Luminaire Lumens: 41169 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

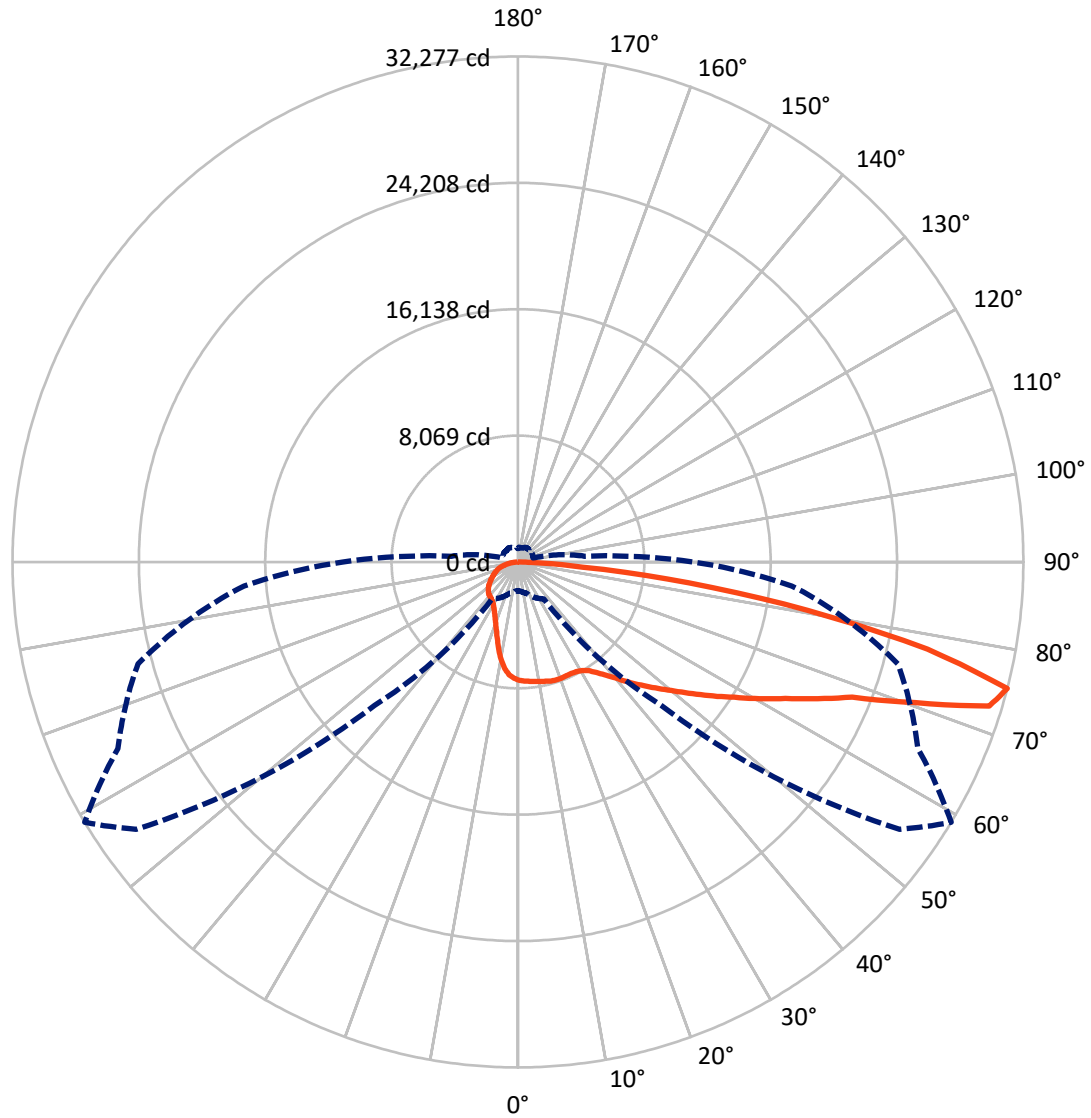
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P952881  
CATALOG NUMBER: GALN-SB6C-835-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7721.5	0.0	7721.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	33447.5	0.0	33447.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	41169.0	0.0	41169.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	677.6	1.6
10°-20°	1731.9	4.2
20°-30°	2630.6	6.4
30°-40°	3910.3	9.5
40°-50°	5815.3	14.1
50°-60°	7893.6	19.2
60°-70°	9636.8	23.4
70°-80°	7562.8	18.4
80°-90°	1310.1	3.2
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°	41169.0	100.0
0°-180°	41169.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P952881

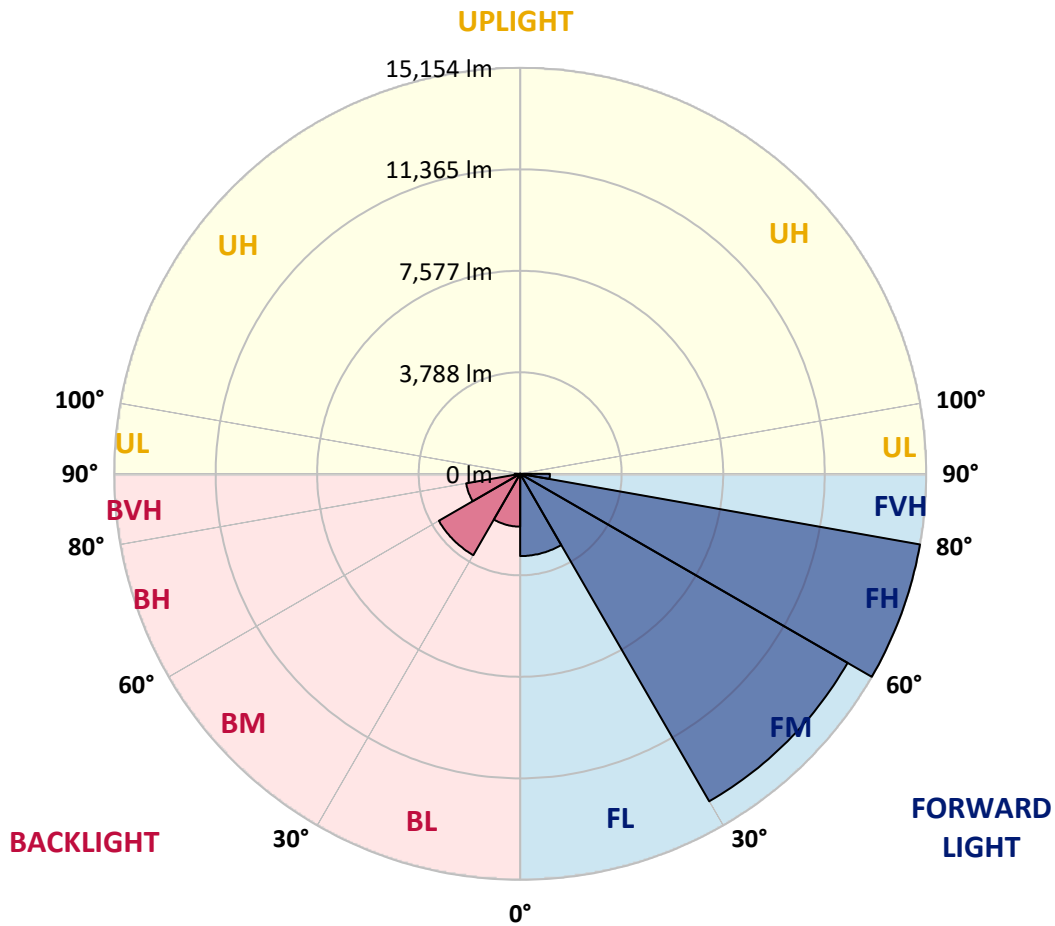
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3069.6	7.5			
FM (30°-60°)	14114.4	34.3			
FH (60°-80°)	15153.9	36.8			G5
FVH (80°-90°)	1109.5	2.7			G5
BL (0°-30°)	1970.4	4.8	B3/2500		
BM (30°-60°)	3504.8	8.5	B3/5000		
BH (60°-80°)	2045.7	5.0	B3/2500		G3/2500
BVH (80°-90°)	200.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5
2.5°	7620.7	7594.1	7620.7	7609.6	7605.2	7596.3	7598.6	7614.1	7605.2	7616.3
5°	7569.8	7554.3	7580.8	7574.2	7603.0	7607.4	7636.2	7653.9	7665.0	7667.2
7.5°	7485.6	7470.1	7507.8	7538.8	7600.8	7618.5	7678.3	7707.1	7722.6	7749.2
10°	7177.8	7171.1	7264.1	7381.5	7527.7	7618.5	7709.3	7758.0	7782.4	7853.2
12.5°	6633.0	6641.8	6763.6	6989.5	7281.9	7574.2	7744.7	7815.6	7853.2	7941.8
15°	6112.5	6110.3	6243.2	6484.6	6894.3	7379.3	7762.4	7884.3	7948.5	8079.1
17.5°	5811.3	5802.5	5895.5	6079.3	6460.2	7080.3	7718.1	7921.9	8059.2	8223.1
20°	5755.9	5738.2	5787.0	5877.8	6147.9	6752.6	7603.0	7921.9	8147.8	8360.4
22.5°	5957.5	5928.7	5908.8	5897.7	6017.3	6482.4	7472.3	7895.3	8278.5	8557.5
25°	6362.8	6318.5	6216.6	6116.9	6081.5	6360.6	7357.2	7888.7	8473.4	8823.3
27.5°	7018.3	6962.9	6757.0	6517.8	6303.0	6422.6	7306.2	7928.5	8688.2	9104.5
30°	7831.1	7771.3	7512.2	7144.5	6759.2	6652.9	7370.4	8045.9	8962.8	9478.8
32.5°	8559.7	8493.3	8271.8	7897.5	7377.1	7051.5	7574.2	8269.6	9394.7	9999.3
35°	9206.4	9128.9	8929.6	8584.1	8134.5	7611.8	7941.8	8666.0	10008.1	10845.3
37.5°	9839.8	9749.0	9532.0	9166.5	8852.1	8358.2	8449.0	9175.4	10823.1	11872.9
40°	10548.5	10417.8	10154.3	9793.3	9487.7	9233.0	9115.6	9799.9	11651.4	13020.1
42.5°	11235.1	11111.0	10796.6	10488.7	10105.6	10032.5	9888.5	10530.8	12557.2	14280.2
45°	11974.8	11826.4	11445.5	11055.7	10814.3	10564.0	10637.1	11261.6	13445.3	15564.8
47.5°	12668.0	12501.9	12052.3	11618.2	11485.3	11011.4	11323.6	12065.6	14368.8	16867.0
50°	13042.2	12878.3	12504.1	12112.1	12008.0	11562.8	12067.8	12949.2	15336.6	18164.8
52.5°	13354.5	13177.3	12687.9	12470.8	12439.8	12163.0	12984.7	13959.1	16304.5	19312.0
55°	13686.7	13489.6	12865.1	12670.2	12811.9	12836.3	14072.1	15104.1	17327.6	20430.4
57.5°	14069.8	13819.6	13035.6	12838.5	13175.1	13624.7	15321.1	16291.2	18333.1	21466.9
60°	14430.8	14178.4	13363.4	13106.5	13567.1	14539.4	16754.0	17728.5	19471.4	22390.4
62.5°	14501.7	14293.5	13624.7	13622.5	14098.6	15606.8	18450.5	19179.1	20465.8	23302.8
65°	13274.8	13144.1	12747.7	13602.5	14860.5	17143.8	20339.6	21035.0	21730.4	24100.1
67.5°	10103.4	10121.1	10092.3	11742.2	14244.8	19351.8	23074.7	23021.6	23291.8	24994.8
70°	4619.8	4723.9	5401.6	8105.7	11412.2	19606.5	27597.1	26908.3	25251.7	26153.1
72.5°	2495.9	2575.7	2852.5	3926.6	6861.1	17431.7	30976.7	31466.1	27858.4	26932.7
75°	1831.5	1875.8	2068.5	2495.9	2881.3	12955.9	29765.3	32276.7	28184.0	25114.4
77.5°	1370.9	1390.8	1548.1	1977.7	1475.0	6830.1	23783.4	26731.2	24126.7	20634.1
80°	994.4	1016.5	1133.9	1483.8	1034.3	2498.2	16331.0	18762.7	16523.7	13153.0
82.5°	686.5	695.4	746.3	1009.9	722.0	970.0	9266.2	11002.5	9224.1	4615.4
85°	414.1	425.2	447.4	589.1	409.7	460.7	3999.7	4137.0	2757.3	1102.9
87.5°	170.5	181.6	199.3	248.0	161.7	128.5	660.0	828.3	516.0	323.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952881  
 CATALOG NUMBER: GALN-SB6C-835-U-SL3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7556.5	0°	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5	7556.5
7578.6	2.5°	7567.6	7552.0	7510.0	7452.4	7399.2	7332.8	7304.0	7279.6	7257.5	7215.4
7638.4	5°	7614.1	7572.0	7459.0	7312.9	7146.8	6965.2	6788.0	6666.2	6562.1	6484.6
7707.1	7.5°	7684.9	7605.2	7399.2	7100.3	6719.3	6329.5	5977.4	5727.2	5538.9	5470.3
7804.5	10°	7758.0	7662.8	7304.0	6776.9	6119.2	5519.0	5051.7	4794.8	4644.2	4595.5
7919.7	12.5°	7844.4	7704.9	7155.6	6327.3	5448.1	4790.3	4382.8	4232.2	4154.7	4128.2
8061.4	15°	7970.6	7740.3	6931.9	5764.8	4808.1	4258.8	3995.3	3891.2	3851.3	3849.1
8207.6	17.5°	8065.9	7746.9	6584.2	5162.4	4316.4	3937.7	3720.7	3680.8	3707.4	3747.2
8351.5	20°	8172.2	7687.1	6128.0	4613.2	3970.9	3656.4	3565.6	3592.2	3656.4	3714.0
8542.0	22.5°	8247.5	7578.6	5576.6	4185.7	3671.9	3494.8	3490.3	3545.7	3581.1	3609.9
8765.7	25°	8313.9	7394.8	4991.9	3827.0	3426.1	3397.3	3446.0	3428.3	3404.0	3428.3
8989.4	27.5°	8362.6	7104.7	4469.2	3512.5	3253.4	3330.9	3302.1	3262.2	3260.0	3273.3
9252.9	30°	8347.1	6717.1	4039.6	3213.5	3131.6	3206.9	3138.2	3131.6	3124.9	3131.6
9649.3	32.5°	8347.1	6276.4	3709.6	3007.5	3054.0	3025.2	3018.6	3003.1	2976.5	2974.3
10187.5	35°	8393.6	5835.7	3426.1	2896.8	2989.8	2921.2	2925.6	2887.9	2832.6	2806.0
10900.6	37.5°	8488.9	5481.3	3144.8	2843.6	2876.9	2874.7	2856.9	2792.7	2695.3	2611.1
11790.9	40°	8719.2	5377.2	2952.2	2819.3	2823.7	2850.3	2803.8	2679.8	2458.3	2321.0
12694.5	42.5°	9080.2	5552.2	2910.1	2759.5	2788.3	2814.9	2724.1	2436.1	2278.9	2197.0
13642.4	45°	9538.6	5857.8	3000.9	2673.1	2704.1	2750.6	2480.4	2343.1	2272.3	2274.5
14581.4	47.5°	10118.9	6178.9	3169.2	2597.8	2582.3	2608.9	2318.8	2234.6	2137.2	2161.5
15482.8	50°	10789.9	6504.5	3328.7	2495.9	2447.2	2360.8	2214.7	2134.9	2010.9	1953.3
16353.2	52.5°	11516.3	6819.0	3392.9	2371.9	2301.0	2201.4	2143.8	2046.4	1895.8	1800.5
17174.8	55°	12205.1	7104.7	3322.0	2223.5	2154.9	2077.4	2068.5	2008.7	1847.0	1714.2
17905.7	57.5°	12856.2	7343.9	3144.8	2072.9	2006.5	1960.0	2019.8	1991.0	1787.2	1616.7
18596.6	60°	13407.7	7507.8	2887.9	1920.1	1873.6	1849.3	1940.1	1931.2	1703.1	1512.6
19216.8	62.5°	13846.2	7572.0	2604.5	1774.0	1762.9	1718.6	1829.3	1829.3	1596.8	1410.7
19761.6	65°	14189.4	7510.0	2316.6	1630.0	1652.1	1585.7	1694.2	1680.9	1483.8	1319.9
20388.3	67.5°	14492.8	7306.2	1997.6	1488.3	1539.2	1455.0	1552.5	1521.5	1359.8	1229.1
20930.9	70°	14627.9	6832.3	1634.4	1346.5	1408.5	1326.6	1410.7	1353.2	1220.3	1131.7
20335.2	72.5°	13542.8	5678.4	1286.7	1198.1	1251.3	1184.9	1257.9	1191.5	1069.7	1029.8
17560.2	75°	11204.1	4261.0	990.0	1036.5	1076.3	1025.4	1074.1	1025.4	914.7	943.5
12971.4	77.5°	8136.7	2876.9	757.4	865.9	883.7	857.1	899.2	843.8	744.1	737.5
6464.6	80°	4046.2	1685.4	593.5	684.3	677.7	660.0	708.7	682.1	598.0	633.4
1745.2	82.5°	1171.6	722.0	431.9	480.6	467.3	471.7	507.2	520.4	779.6	772.9
542.6	85°	367.6	283.5	259.1	268.0	254.7	261.3	299.0	593.5	549.2	321.1
168.3	87.5°	95.2	97.4	64.2	68.7	70.9	84.2	95.2	361.0	172.7	112.9
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>
7556.5
7195.5
6420.3
5350.7
4520.2
4134.8
3858.0
3762.7
3733.9
3625.4
3443.8
3295.4
3155.9
3003.1
2832.6
2639.9
2338.7
2197.0
2285.5
2223.5
1968.8
1798.3
1714.2
1607.9
1506.0
1404.1
1311.1
1220.3
1114.0
996.6
<i>861.5</i>
704.3
626.8
790.6
347.7
119.6
0.0

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