

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: P952428

Luminaire Tested: **GALN-SB6B-740-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6B-740-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

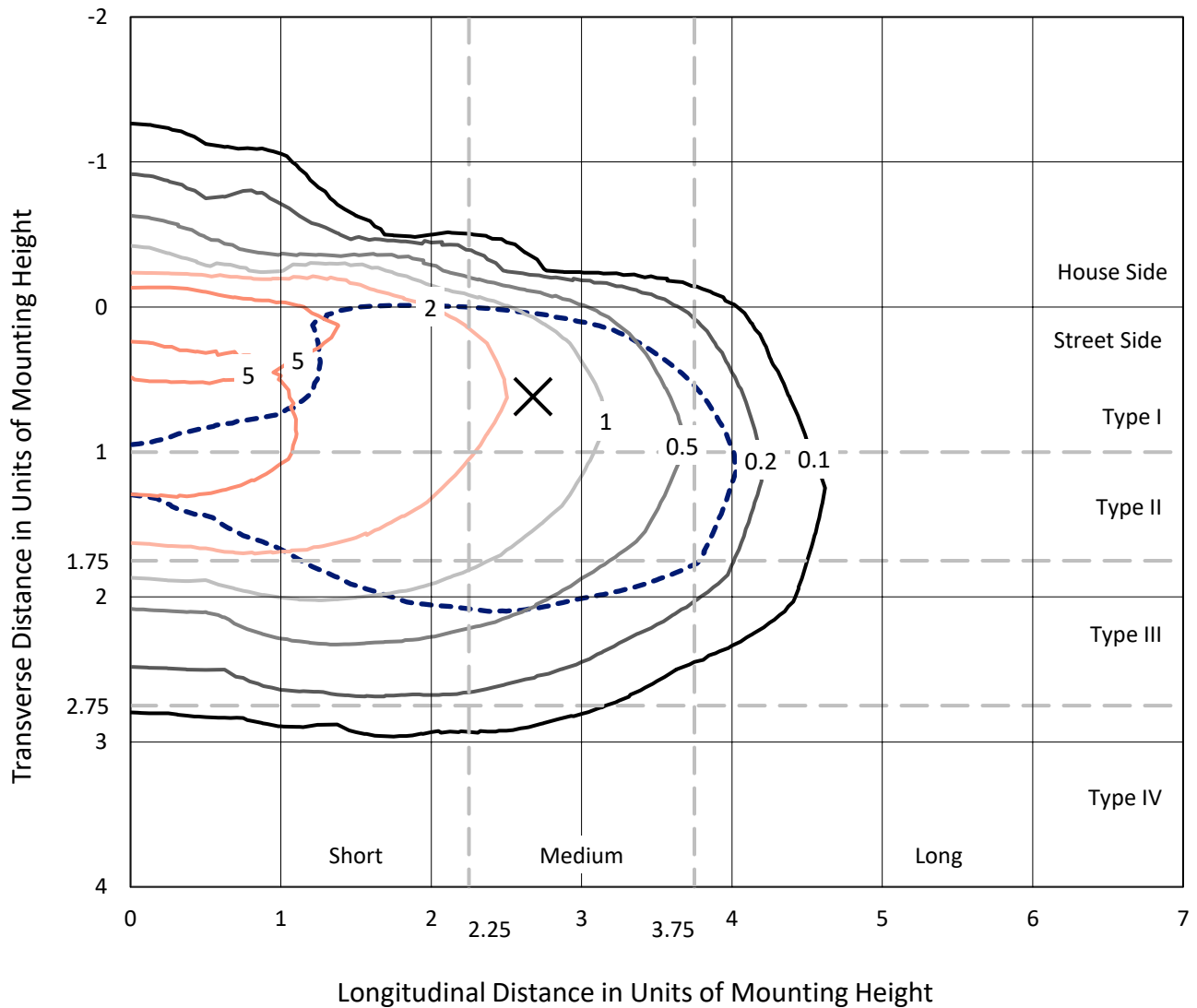
Lumens per Lamp: N/A  
Luminaire Lumens: 30077 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): 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

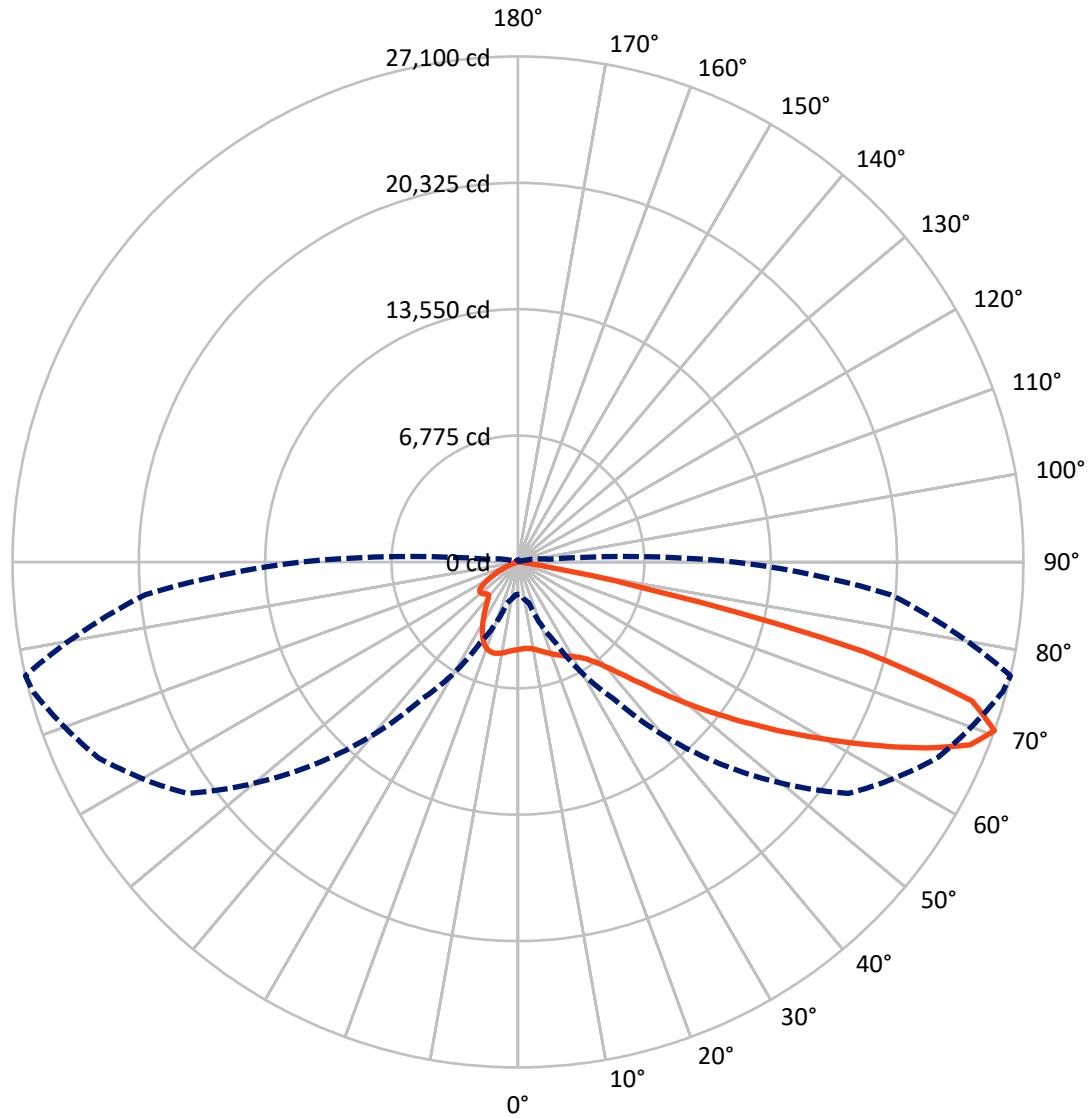
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3170.6	0.0	3170.6
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	26906.5	0.0	26906.5
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	30077.0	0.0	30077.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	404.3	1.3
10°-20°	959.8	3.2
20°-30°	1484.6	4.9
30°-40°	2693.9	9.0
40°-50°	5085.0	16.9
50°-60°	7347.4	24.4
60°-70°	7821.1	26.0
70°-80°	4144.7	13.8
80°-90°	136.1	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°	30077.0	100.0
0°-180°	30077.0	100.0

**Coefficient of Utilization**



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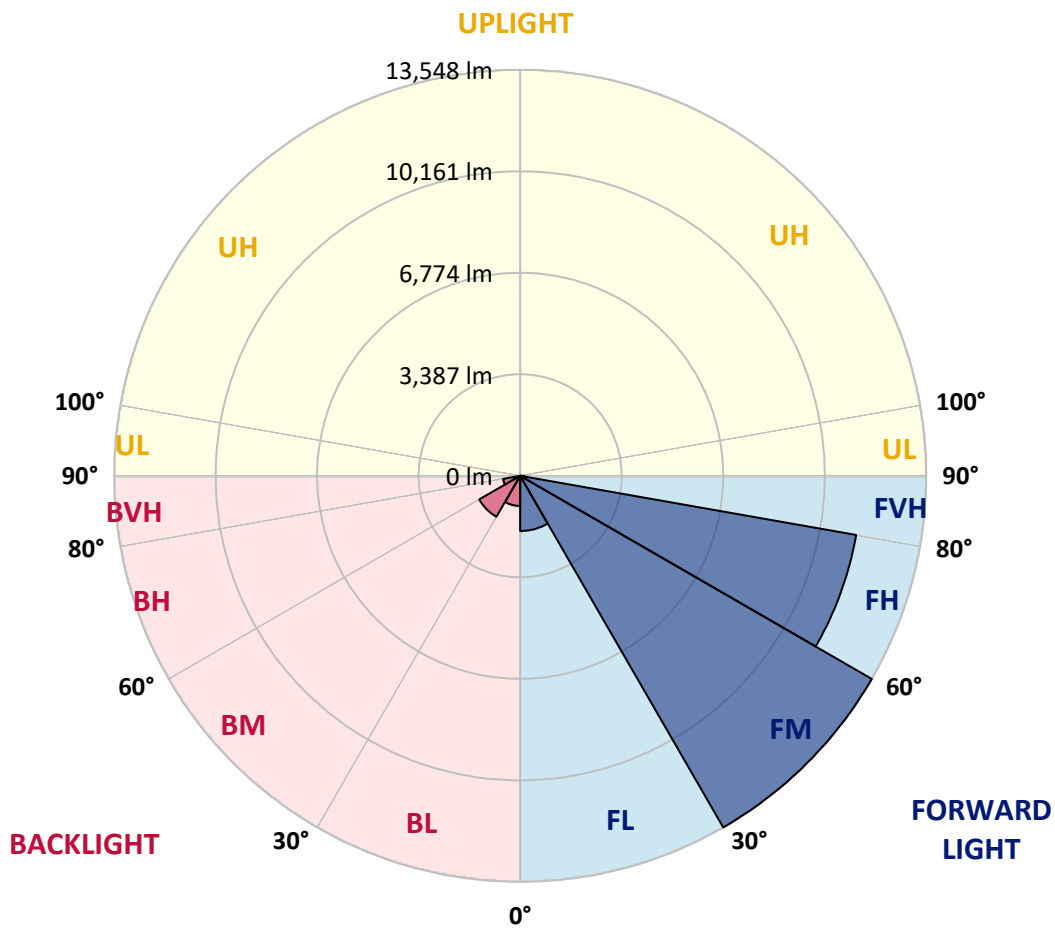
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1841.4	6.1			
FM (30°-60°)	13548.0	45.0			
FH (60°-80°)	11384.6	37.9			G4/12000
FVH (80°-90°)	132.4	0.4			G2/225
BL (0°-30°)	1007.3	3.3	B3/2500		
BM (30°-60°)	1578.3	5.2	B2/2500		
BH (60°-80°)	581.2	1.9	B2/1000		G2/1000
BVH (80°-90°)	3.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5
2.5°	4404.7	4444.5	4438.9	4465.4	4474.9	4512.9	4550.9	4602.2	4659.2	4657.3
5°	4155.8	4195.7	4205.2	4241.3	4286.9	4345.8	4423.7	4526.2	4632.6	4649.7
7.5°	3861.4	3903.2	3927.9	4000.1	4083.7	4205.2	4332.5	4482.5	4659.2	4683.9
10°	3567.0	3605.0	3637.3	3739.9	3872.8	4053.3	4260.3	4476.8	4714.3	4750.3
12.5°	3384.7	3420.8	3456.9	3546.1	3711.4	3931.7	4212.8	4503.4	4805.4	4856.7
15°	3320.1	3352.4	3380.9	3460.7	3614.5	3865.2	4203.3	4558.5	4921.3	4989.7
17.5°	3329.6	3346.7	3365.7	3426.5	3576.5	3834.8	4220.4	4653.5	5058.0	5118.8
20°	3384.7	3394.2	3396.1	3437.9	3570.8	3831.0	4254.6	4744.7	5187.2	5268.9
22.5°	3455.0	3458.8	3455.0	3483.5	3606.9	3859.5	4300.2	4854.8	5331.6	5407.5
25°	3783.6	3711.4	3620.2	3565.1	3667.7	3914.6	4368.6	5003.0	5489.2	5563.3
27.5°	4803.5	4596.5	4269.8	3903.2	3793.1	3994.4	4463.5	5153.0	5648.8	5715.2
30°	6459.8	6188.2	5633.6	4807.3	4195.7	4161.5	4587.0	5303.1	5817.8	5890.0
32.5°	8119.8	8053.4	7413.3	6269.9	5101.7	4533.8	4792.1	5506.3	6041.9	6098.9
35°	9798.9	9664.0	9139.8	8009.7	6497.8	5291.7	5134.0	5772.2	6336.3	6400.9
37.5°	11084.8	11003.1	10678.3	9747.6	8154.0	6461.7	5719.0	6184.4	6763.7	6835.9
40°	12220.6	12182.6	12072.5	11459.0	10005.9	7992.6	6628.8	6822.6	7356.3	7441.8
42.5°	13113.3	13202.6	13265.3	13094.3	11914.8	9740.0	7852.0	7719.1	8182.5	8269.9
45°	14026.9	14057.3	14309.9	14556.8	13810.4	11567.2	9231.0	8769.4	9210.1	9318.4
47.5°	14613.8	14735.4	15179.8	15614.8	15404.0	13379.2	10712.5	10009.7	10401.0	10604.2
50°	14657.5	14887.3	15498.9	16256.8	16564.5	15103.9	12323.2	11422.9	11838.8	12063.0
52.5°	13930.1	14287.1	15234.9	16344.2	17191.3	16564.5	13988.9	12836.0	13369.7	13662.2
55°	10680.2	11147.5	14241.6	15869.3	17216.0	17671.8	15611.0	14308.0	15075.4	15405.9
57.5°	9305.1	9540.6	11196.8	15045.0	16758.2	18118.2	17077.3	15709.8	16931.1	17341.3
60°	7741.9	8051.5	9390.5	13696.4	16137.1	18161.9	18372.7	17518.0	18942.5	19404.1
62.5°	5261.3	5597.5	6928.9	11379.2	15288.1	18141.0	19434.5	19379.4	21178.1	21673.8
65°	3259.3	3470.2	4347.7	9291.8	14101.0	18163.8	20545.6	21639.6	23537.1	24040.5
67.5°	2575.6	2672.4	3130.2	7134.1	12055.4	17650.9	21654.8	23765.0	25757.5	26156.4
70°	1730.3	1789.2	2277.4	4782.6	8968.9	15284.3	21633.9	24832.5	26900.9	27100.4
72.5°	911.7	957.3	1331.5	2214.7	5417.0	10864.5	18235.9	23556.1	25763.2	25463.1
75°	455.9	531.8	896.5	1124.4	2313.4	6059.0	11324.1	18572.1	20277.8	19115.4
77.5°	345.7	417.9	740.8	740.8	805.3	2039.9	4795.9	10129.4	9343.1	7779.9
80°	220.3	284.9	647.7	560.3	336.2	518.5	1249.8	2837.7	1984.9	1510.0
82.5°	129.2	186.1	539.4	370.4	188.0	191.8	353.3	604.0	514.7	400.8
85°	51.3	121.6	370.4	146.3	74.1	47.5	106.4	129.2	106.4	79.8
87.5°	0.0	28.5	64.6	0.0	5.7	3.8	7.6	9.5	9.5	7.6
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°
4691.5	0°	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5	4691.5
4695.3	2.5°	4712.4	4716.2	4727.6	4729.5	4702.9	4668.7	4655.4	4649.7	4626.9	4625.0
4725.7	5°	4769.3	4786.4	4769.3	4720.0	4602.2	4437.0	4311.6	4209.0	4116.0	4087.5
4830.1	7.5°	4883.3	4900.4	4849.1	4655.4	4359.1	4030.5	3734.2	3525.2	3337.2	3266.9
4957.4	10°	5046.7	5069.4	4908.0	4516.7	3992.5	3464.5	2963.0	2609.7	2334.3	2222.3
5130.2	12.5°	5251.8	5261.3	4940.3	4305.9	3515.8	2761.7	2051.3	1673.4	1428.3	1337.2
5339.2	15°	5477.8	5464.5	4944.1	4019.1	2866.2	1952.6	1339.1	1099.7	1001.0	970.6
5548.1	17.5°	5715.2	5660.2	4868.1	3605.0	2153.9	1335.3	993.4	936.4	919.3	911.7
5755.1	20°	5948.9	5825.4	4729.5	3063.7	1546.1	997.2	902.2	885.1	875.6	871.8
5964.1	22.5°	6161.6	5950.8	4492.0	2435.0	1122.5	881.3	852.8	837.6	820.5	812.9
6167.3	25°	6368.6	6022.9	4157.7	1848.1	898.4	824.3	801.5	773.0	750.3	740.8
6385.7	27.5°	6570.0	6068.5	3739.9	1367.6	801.5	771.1	729.4	689.5	672.4	668.6
6619.3	30°	6784.6	6083.7	3265.0	1020.0	742.7	704.7	643.9	598.3	588.8	590.7
6934.6	32.5°	7046.7	6106.5	2786.4	835.7	693.3	624.9	552.7	505.2	497.6	505.2
7394.3	35°	7360.1	6152.1	2324.8	769.2	649.6	543.2	465.3	425.5	417.9	423.6
7983.1	37.5°	7785.6	6226.2	1893.7	756.0	613.5	474.8	391.3	359.0	359.0	360.9
8704.9	40°	8351.6	6423.7	1508.1	746.5	594.5	423.6	330.5	317.2	322.9	326.7
9624.2	42.5°	9041.0	6843.5	1247.9	735.1	573.6	400.8	300.1	294.4	303.9	307.7
10725.8	45°	9814.1	7375.3	1156.7	716.1	554.6	416.0	286.8	279.2	290.6	292.5
11960.4	47.5°	10613.7	7895.7	1145.3	695.2	535.6	438.8	283.0	265.9	279.2	281.1
13278.6	50°	11422.9	8235.7	1156.7	662.9	505.2	438.8	284.9	252.6	264.0	269.7
14646.1	52.5°	12237.7	8391.5	1149.1	592.6	452.1	412.2	284.9	241.2	252.6	256.4
16123.8	55°	13027.8	8361.1	1033.3	488.1	383.7	364.7	277.3	231.7	239.3	241.2
17519.9	57.5°	13652.7	7937.5	818.6	379.9	311.5	303.9	252.6	220.3	226.0	224.1
18800.1	60°	13979.4	7006.8	585.0	292.5	245.0	239.3	222.2	205.1	208.9	199.4
19884.6	62.5°	13983.2	5776.0	391.3	231.7	195.6	189.9	189.9	184.2	180.4	161.4
20724.1	65°	13685.0	4410.4	260.2	184.2	157.6	148.2	159.5	157.6	144.4	117.8
20980.6	67.5°	13008.9	2890.9	197.5	144.4	121.6	115.9	127.3	133.0	123.5	98.8
20046.1	70°	11618.5	1682.9	163.3	112.1	91.2	85.5	102.6	114.0	102.6	79.8
17134.3	72.5°	9650.8	907.9	133.0	83.6	62.7	57.0	81.7	93.1	81.7	58.9
10993.6	75°	6262.3	486.2	102.6	55.1	32.3	36.1	60.8	68.4	57.0	38.0
3227.0	77.5°	2102.6	214.6	64.6	26.6	15.2	15.2	36.1	41.8	26.6	13.3
586.9	80°	469.1	89.3	26.6	11.4	5.7	5.7	7.6	7.6	3.8	0.0
180.4	82.5°	153.8	36.1	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0
45.6	85°	58.9	13.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.2	87.5°	22.8	1.9	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>
4691.5
4628.8
4070.4
3238.4
2174.8
1308.7
970.6
909.8
868.0
811.0
737.0
664.8
590.7
503.3
421.7
359.0
326.7
307.7
294.4
283.0
271.6
256.4
241.2
224.1
197.5
155.7
114.0
96.9
76.0
57.0
34.2
11.4
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