

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: P953394

Luminaire Tested: **GALN-SB6D-950-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953394  
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-SB6D-950-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

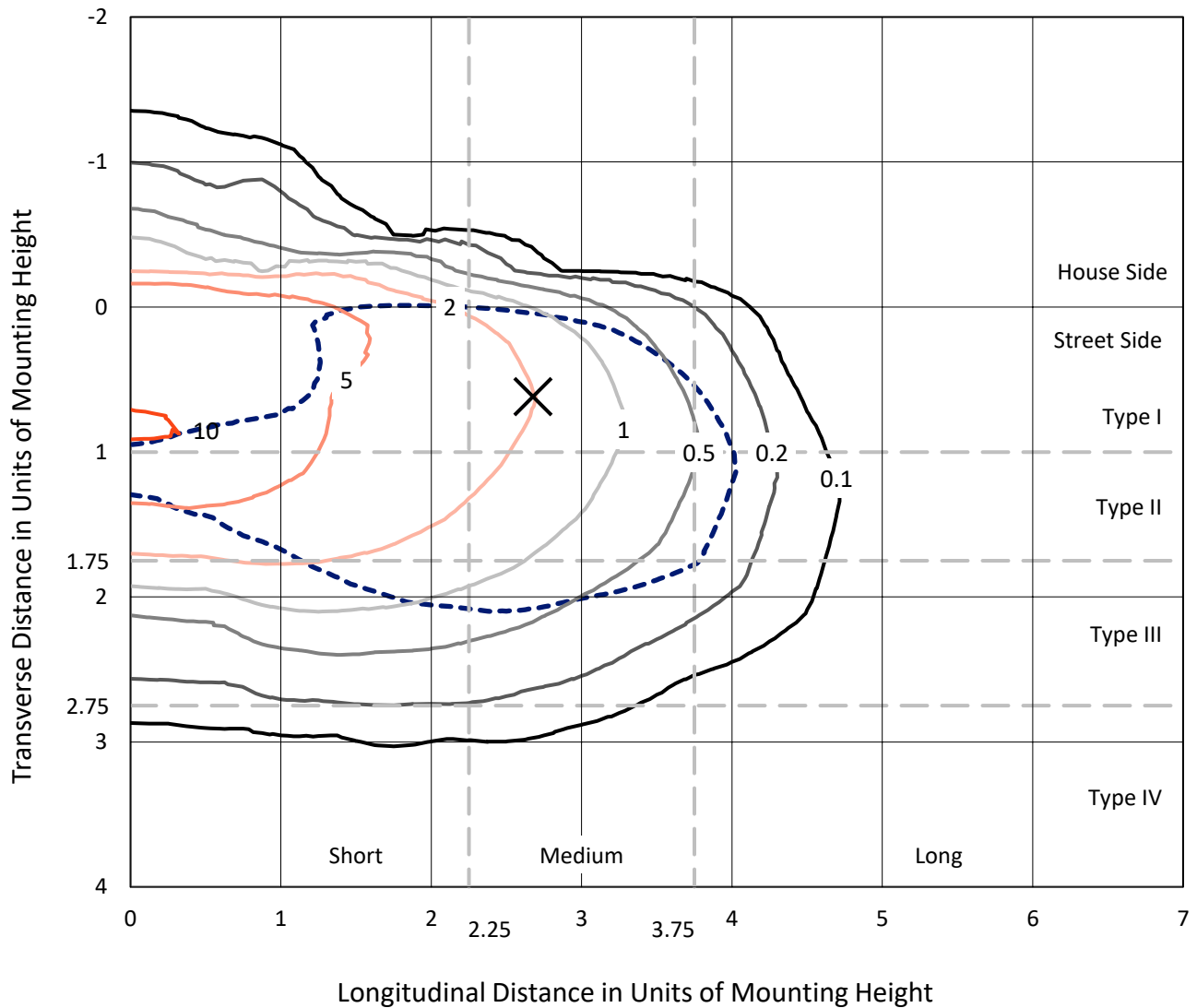
Lumens per Lamp: N/A  
Luminaire Lumens: 35739 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

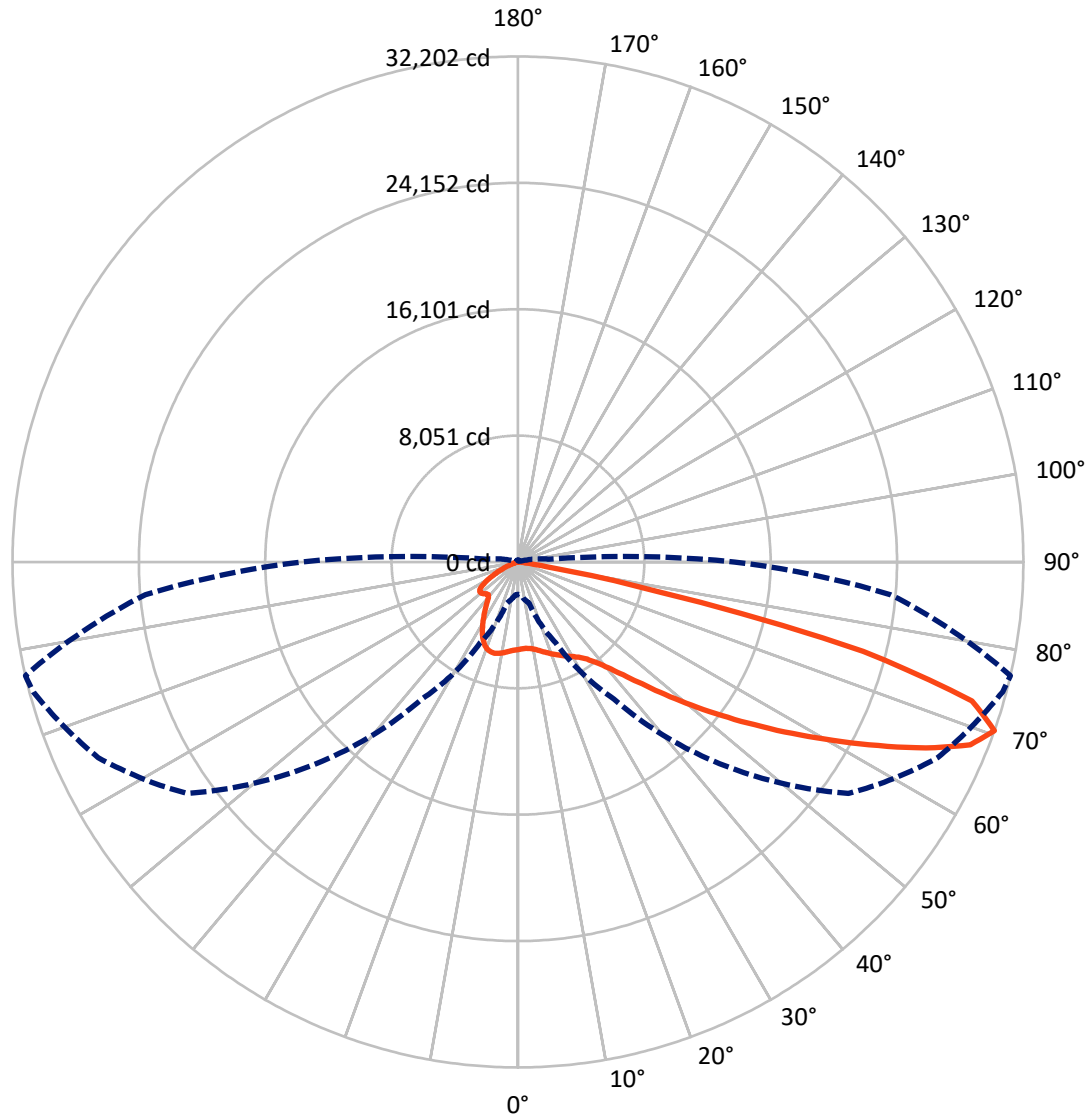
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	3767.4	0.0	3767.4
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	31971.6	0.0	31971.6
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	35739.0	0.0	35739.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.4	1.3
10°-20°	1140.5	3.2
20°-30°	1764.1	4.9
30°-40°	3201.0	9.0
40°-50°	6042.3	16.9
50°-60°	8730.6	24.4
60°-70°	9293.5	26.0
70°-80°	4924.9	13.8
80°-90°	161.7	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°	35739.0	100.0
0°-180°	35739.0	100.0

**Coefficient of Utilization**



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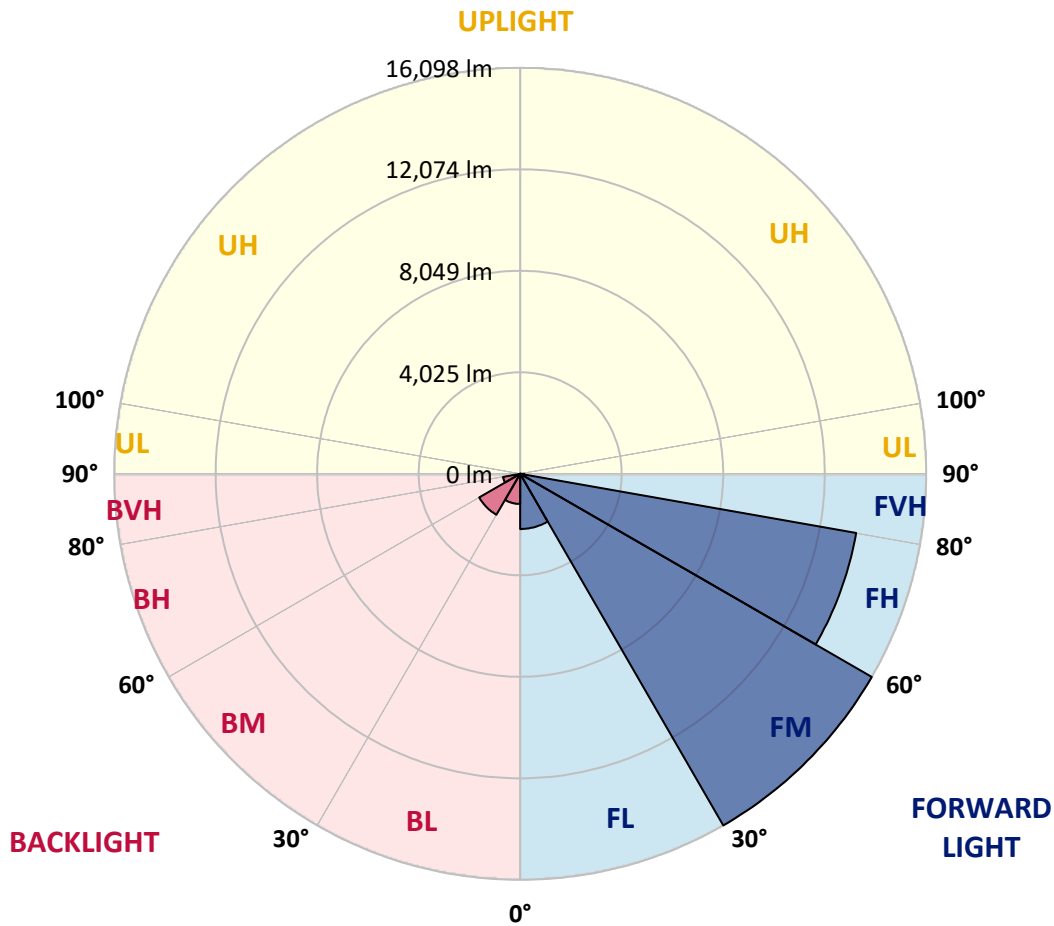
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2188.1	6.1			
FM (30°-60°)	16098.5	45.0			
FH (60°-80°)	13527.7	37.9			G5
FVH (80°-90°)	157.4	0.4			G2/225
BL (0°-30°)	1197.0	3.3	B3/2500		
BM (30°-60°)	1875.4	5.2	B2/2500		
BH (60°-80°)	690.7	1.9	B2/1000		G2/1000
BVH (80°-90°)	4.3	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-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6
2.5°	5233.8	5281.2	5274.5	5306.1	5317.3	5362.5	5407.6	5468.6	5536.3	5534.0
5°	4938.2	4985.6	4996.9	5039.7	5093.9	5163.9	5256.4	5378.3	5504.7	5525.0
7.5°	4588.4	4638.0	4667.3	4753.1	4852.4	4996.9	5148.1	5326.4	5536.3	5565.6
10°	4238.5	4283.7	4322.0	4443.9	4601.9	4816.3	5062.3	5319.6	5601.7	5644.6
12.5°	4021.9	4064.7	4107.6	4213.7	4410.1	4671.9	5005.9	5351.2	5710.1	5771.0
15°	3945.1	3983.5	4017.4	4112.1	4295.0	4592.9	4994.6	5416.7	5847.7	5929.0
17.5°	3956.4	3976.7	3999.3	4071.5	4249.8	4556.8	5014.9	5529.5	6010.2	6082.4
20°	4021.9	4033.1	4035.4	4085.1	4243.0	4552.2	5055.5	5637.8	6163.7	6260.7
22.5°	4105.4	4109.9	4105.4	4139.2	4285.9	4586.1	5109.7	5768.7	6335.2	6425.5
25°	4495.8	4410.1	4301.7	4236.3	4358.1	4651.6	5191.0	5944.8	6522.6	6610.6
27.5°	5707.8	5461.8	5073.6	4638.0	4507.1	4746.3	5303.8	6123.1	6712.1	6791.1
30°	7675.8	7353.1	6694.1	5712.3	4985.6	4945.0	5450.5	6301.4	6913.0	6998.8
32.5°	9648.4	9569.4	8808.8	7450.2	6062.1	5387.3	5694.3	6542.9	7179.3	7247.0
35°	11643.5	11483.3	10860.4	9517.5	7721.0	6287.8	6100.5	6858.8	7529.1	7605.9
37.5°	13171.5	13074.4	12688.5	11582.6	9689.0	7678.1	6795.6	7348.6	8037.0	8122.7
40°	14521.1	14476.0	14345.1	13616.1	11889.6	9497.2	7876.7	8106.9	8741.1	8842.7
42.5°	15581.9	15688.0	15762.5	15559.3	14157.8	11573.6	9330.2	9172.2	9722.9	9826.7
45°	16667.5	16703.6	17003.8	17297.2	16410.2	13744.8	10968.7	10420.3	10943.9	11072.5
47.5°	17364.9	17509.3	18037.5	18554.3	18303.8	15897.9	12729.1	11894.1	12359.0	12600.5
50°	17416.8	17689.9	18416.6	19317.1	19682.8	17947.2	14643.0	13573.2	14067.5	14333.8
52.5°	16552.4	16976.7	18102.9	19421.0	20427.6	19682.8	16622.4	15252.4	15886.6	16234.2
55°	12690.8	13246.0	16922.5	18856.7	20456.9	20998.6	18549.8	17001.5	17913.3	18306.0
57.5°	11056.7	11336.6	13304.7	17877.2	19913.0	21528.9	20292.1	18667.1	20118.4	20605.9
60°	9199.3	9567.2	11158.3	16274.8	19175.0	21580.8	21831.4	20815.7	22508.4	23056.9
62.5°	6251.7	6651.2	8233.3	13521.3	18166.1	21556.0	23093.0	23027.5	25164.9	25753.9
65°	3872.9	4123.4	5166.1	11040.9	16755.5	21583.1	24413.3	25713.3	27968.0	28566.1
67.5°	3060.4	3175.5	3719.4	8477.1	14324.8	20973.7	25731.4	28238.8	30606.3	31080.3
70°	2056.1	2126.0	2706.1	5683.0	10657.3	18161.6	25706.5	29507.2	31965.0	32202.0
72.5°	1083.3	1137.5	1582.1	2631.6	6436.8	12909.7	21668.9	27990.6	30613.1	30256.5
75°	541.7	631.9	1065.3	1336.1	2749.0	7199.6	13455.9	22068.3	24095.1	22713.8
77.5°	410.8	496.5	880.2	880.2	956.9	2424.0	5698.8	12036.3	11101.9	9244.4
80°	261.8	338.5	769.6	665.8	399.5	616.1	1485.1	3371.9	2358.5	1794.3
82.5°	153.5	221.2	641.0	440.1	223.4	228.0	419.8	717.7	611.6	476.2
85°	60.9	144.4	440.1	173.8	88.0	56.4	126.4	153.5	126.4	94.8
87.5°	0.0	33.9	76.7	0.0	6.8	4.5	9.0	11.3	11.3	9.0
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°
5574.6	0°	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6	5574.6
5579.2	2.5°	5599.5	5604.0	5617.5	5619.8	5588.2	5547.6	5531.8	5525.0	5497.9	5495.6
5615.3	5°	5667.2	5687.5	5667.2	5608.5	5468.6	5272.2	5123.3	5001.4	4890.8	4856.9
5739.4	7.5°	5802.6	5822.9	5762.0	5531.8	5179.7	4789.2	4437.1	4188.9	3965.4	3881.9
5890.6	10°	5996.7	6023.8	5831.9	5367.0	4744.1	4116.7	3520.8	3101.0	2773.8	2640.6
6096.0	12.5°	6240.4	6251.7	5870.3	5116.5	4177.6	3281.6	2437.5	1988.4	1697.2	1588.9
6344.3	15°	6509.0	6493.2	5874.8	4775.7	3405.7	2320.1	1591.1	1306.8	1189.4	1153.3
6592.5	17.5°	6791.1	6725.7	5784.5	4283.7	2559.4	1586.6	1180.4	1112.7	1092.4	1083.3
6838.5	20°	7068.7	6922.0	5619.8	3640.4	1837.1	1184.9	1072.0	1051.7	1040.4	1035.9
7086.8	22.5°	7321.5	7071.0	5337.7	2893.4	1333.9	1047.2	1013.4	995.3	975.0	966.0
7328.3	25°	7567.5	7156.8	4940.4	2196.0	1067.5	979.5	952.4	918.6	891.5	880.2
7587.8	27.5°	7806.8	7210.9	4443.9	1625.0	952.4	916.3	866.7	819.3	799.0	794.4
7865.4	30°	8061.8	7229.0	3879.7	1212.0	882.5	837.3	765.1	710.9	699.7	701.9
8240.1	32.5°	8373.2	7256.1	3310.9	993.1	823.8	742.5	656.8	600.3	591.3	600.3
8786.3	35°	8745.6	7310.2	2762.5	914.1	771.9	645.5	552.9	505.6	496.5	503.3
9485.9	37.5°	9251.2	7398.2	2250.2	898.3	729.0	564.2	464.9	426.6	426.6	428.8
10343.5	40°	9923.8	7633.0	1792.0	887.0	706.4	503.3	392.7	376.9	383.7	388.2
11435.9	42.5°	10743.0	8131.8	1482.8	873.4	681.6	476.2	356.6	349.8	361.1	365.6
12744.9	45°	11661.6	8763.7	1374.5	850.9	659.0	494.3	340.8	331.8	345.3	347.6
14211.9	47.5°	12611.8	9382.1	1360.9	826.0	636.5	521.4	336.3	316.0	331.8	334.0
15778.3	50°	13573.2	9786.1	1374.5	787.7	600.3	521.4	338.5	300.2	313.7	320.5
17403.3	52.5°	14541.5	9971.2	1365.4	704.2	537.2	489.8	338.5	286.6	300.2	304.7
19159.2	55°	15480.3	9935.0	1227.8	580.0	455.9	433.3	329.5	275.3	284.4	286.6
20818.0	57.5°	16222.9	9431.7	972.7	451.4	370.1	361.1	300.2	261.8	268.6	266.3
22339.2	60°	16611.1	8325.8	695.1	347.6	291.1	284.4	264.1	243.7	248.3	237.0
23627.9	62.5°	16615.6	6863.4	464.9	275.3	232.5	225.7	225.7	218.9	214.4	191.8
24625.5	65°	16261.2	5240.6	309.2	218.9	187.3	176.0	189.6	187.3	171.5	139.9
24930.1	67.5°	15457.8	3435.1	234.7	171.5	144.4	137.7	151.2	158.0	146.7	117.4
23819.7	70°	13805.7	1999.6	194.1	133.2	108.3	101.6	121.9	135.4	121.9	94.8
20359.8	72.5°	11467.5	1078.8	158.0	99.3	74.5	67.7	97.0	110.6	97.0	70.0
13063.2	75°	7441.1	577.8	121.9	65.5	38.4	42.9	72.2	81.2	67.7	45.1
3834.5	77.5°	2498.4	255.0	76.7	31.6	18.1	18.1	42.9	49.7	31.6	15.8
697.4	80°	557.5	106.1	31.6	13.5	6.8	6.8	9.0	9.0	4.5	0.0
214.4	82.5°	182.8	42.9	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
54.2	85°	70.0	15.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.1	87.5°	27.1	2.3	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>
5574.6
5500.2
4836.6
3848.1
2584.2
1555.0
1153.3
1081.1
1031.4
963.7
875.7
789.9
701.9
598.1
501.0
426.6
388.2
365.6
349.8
336.3
322.7
304.7
286.6
266.3
234.7
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