

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: P954465

Luminaire Tested: **GALN-SB7C-950-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954465
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-SB7C-950-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 615mA 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: 30846 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

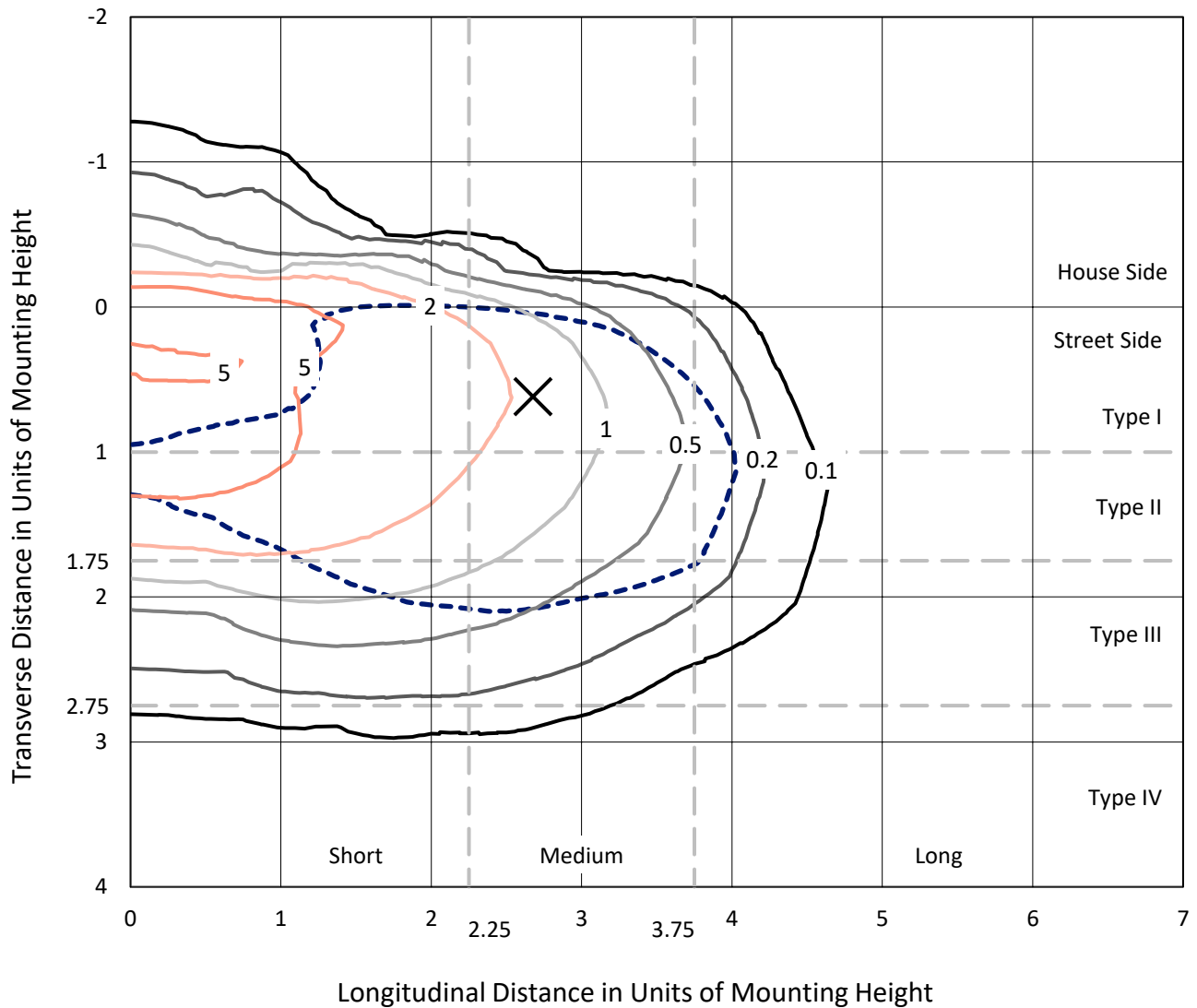
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

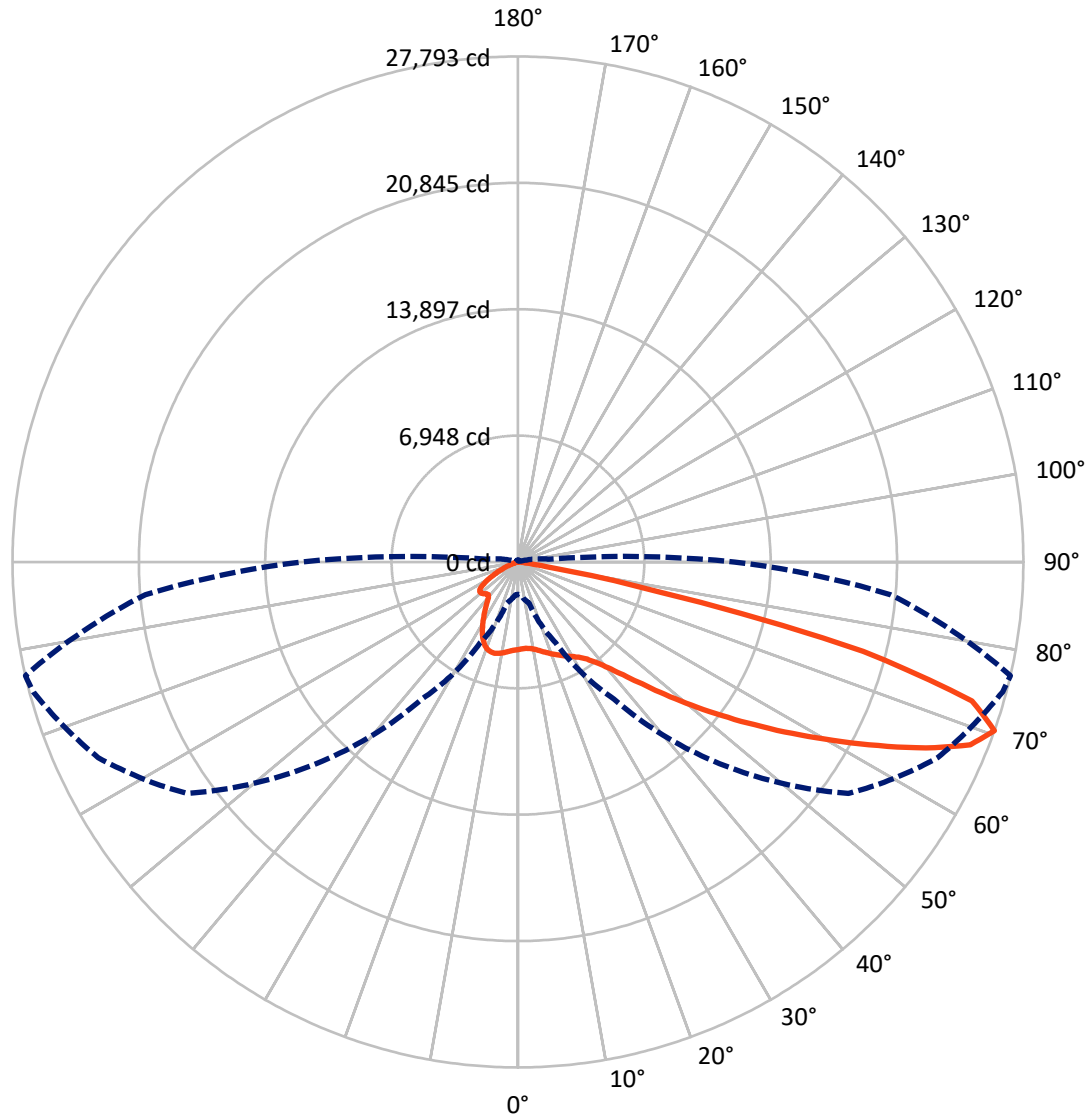
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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
House Side	Lumens	3251.6	0.0	3251.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	27594.4	0.0	27594.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	30846.0	0.0	30846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.7	1.3
10°-20°	984.4	3.2
20°-30°	1522.6	4.9
30°-40°	2762.8	9.0
40°-50°	5215.0	16.9
50°-60°	7535.3	24.4
60°-70°	8021.1	26.0
70°-80°	4250.6	13.8
80°-90°	139.6	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°	30846.0	100.0
0°-180°	30846.0	100.0

Coefficient of Utilization



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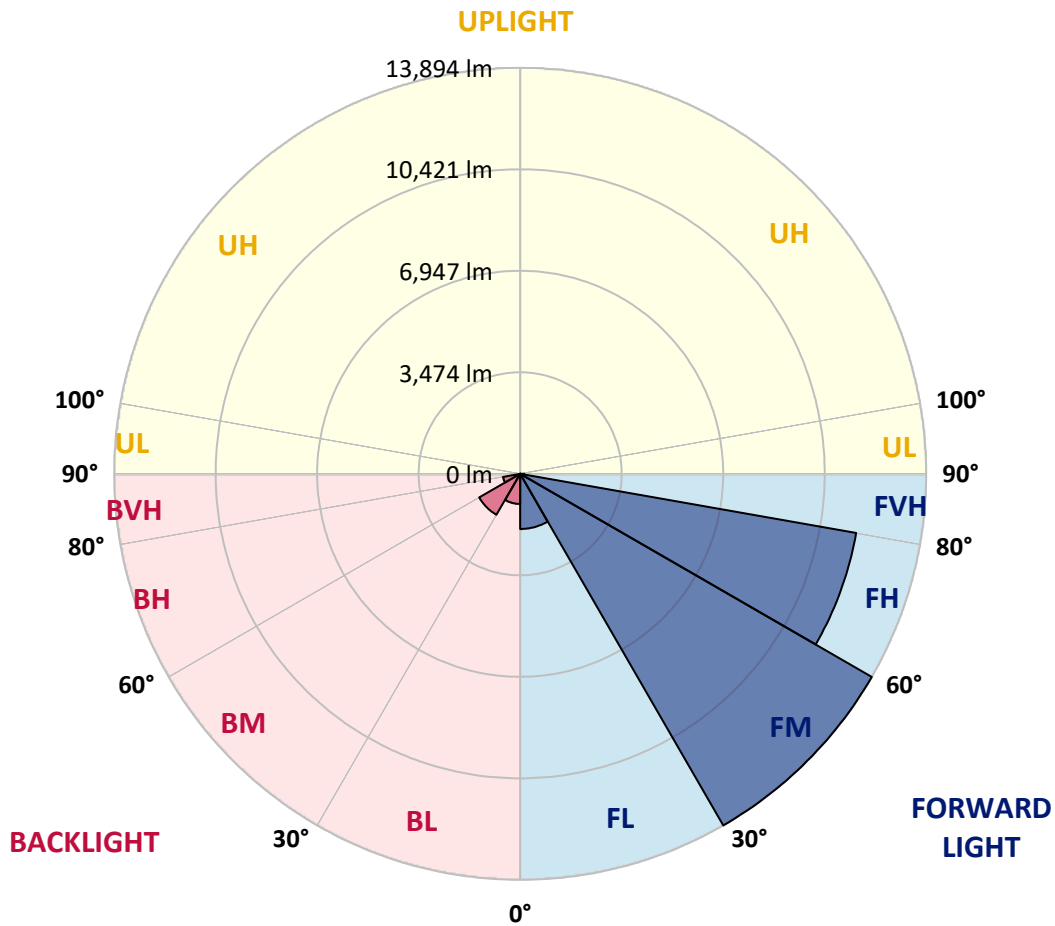
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1888.5	6.1			
FM (30°-60°)	13894.4	45.0			
FH (60°-80°)	11675.6	37.9			G4/12000
FVH (80°-90°)	135.8	0.4			G2/225
BL (0°-30°)	1033.1	3.3	B3/2500		
BM (30°-60°)	1618.7	5.2	B2/2500		
BH (60°-80°)	596.1	1.9	B2/1000		G2/1000
BVH (80°-90°)	3.8	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°	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4
2.5°	4517.3	4558.2	4552.3	4579.6	4589.4	4628.3	4667.3	4719.9	4778.3	4776.4
5°	4262.1	4303.0	4312.7	4349.8	4396.5	4456.9	4536.8	4641.9	4751.0	4768.6
7.5°	3960.2	4003.0	4028.3	4102.4	4188.1	4312.7	4443.3	4597.1	4778.3	4803.6
10°	3658.2	3697.2	3730.3	3835.5	3971.9	4156.9	4369.2	4591.3	4834.8	4871.8
12.5°	3471.2	3508.2	3545.3	3636.8	3806.3	4032.2	4320.5	4618.6	4928.3	4980.9
15°	3405.0	3438.1	3467.3	3549.2	3706.9	3964.1	4310.8	4675.1	5047.1	5117.2
17.5°	3414.7	3432.3	3451.8	3514.1	3668.0	3932.9	4328.3	4772.5	5187.4	5249.7
20°	3471.2	3481.0	3482.9	3525.8	3662.1	3929.0	4363.4	4866.0	5319.8	5403.6
22.5°	3543.3	3547.2	3543.3	3572.5	3699.1	3958.2	4410.1	4978.9	5467.9	5545.8
25°	3880.3	3806.3	3712.8	3656.3	3761.5	4014.7	4480.3	5130.9	5629.6	5705.5
27.5°	4926.3	4714.0	4379.0	4003.0	3890.0	4096.5	4577.7	5284.8	5793.2	5861.4
30°	6625.0	6346.4	5777.6	4930.2	4303.0	4267.9	4704.3	5438.7	5966.5	6040.6
32.5°	8327.5	8259.3	7602.8	6430.2	5232.2	4649.7	4914.7	5647.1	6196.4	6254.8
35°	10049.4	9911.1	9373.5	8214.5	6663.9	5427.0	5265.3	5919.8	6498.3	6564.6
37.5°	11368.2	11284.4	10951.3	9996.8	8362.5	6626.9	5865.3	6342.5	6936.6	7010.6
40°	12533.1	12494.1	12381.1	11751.9	10261.8	8196.9	6798.3	6997.0	7544.4	7632.0
42.5°	13448.6	13540.2	13604.4	13429.1	12219.4	9989.1	8052.8	7916.4	8391.7	8481.3
45°	14385.6	14416.7	14675.8	14929.0	14163.5	11863.0	9467.0	8993.7	9445.6	9556.6
47.5°	14987.5	15112.1	15568.0	16014.0	15797.8	13721.3	10986.4	10265.7	10666.9	10875.4
50°	15032.3	15268.0	15895.2	16672.4	16988.0	15490.0	12638.3	11714.9	12141.5	12371.4
52.5°	14286.2	14652.4	15624.4	16762.0	17630.8	16988.0	14346.6	13164.2	13711.6	14011.6
55°	10953.3	11432.5	14605.7	16275.1	17656.2	18123.7	16010.1	14673.9	15460.8	15799.8
57.5°	9543.0	9784.5	11483.1	15429.7	17186.7	18581.4	17514.0	16111.4	17364.0	17784.7
60°	7939.8	8257.3	9630.6	14046.6	16549.7	18626.2	18842.5	17965.9	19426.8	19900.2
62.5°	5395.8	5740.6	7106.1	11670.1	15679.0	18604.8	19931.4	19874.9	21719.6	22228.0
65°	3342.7	3558.9	4458.8	9529.3	14461.5	18628.2	21070.9	22192.9	24138.9	24655.1
67.5°	2641.4	2740.8	3210.2	7316.5	12363.6	18102.2	22208.5	24372.7	26416.1	26825.1
70°	1774.6	1835.0	2335.6	4904.9	9198.2	15675.1	22187.1	25467.4	27588.7	27793.2
72.5°	935.0	981.8	1365.5	2271.3	5555.5	11142.2	18702.2	24158.4	26421.9	26114.1
75°	467.5	545.4	919.4	1153.2	2372.6	6213.9	11613.6	19047.0	20796.2	19604.1
77.5°	354.5	428.5	759.7	759.7	825.9	2092.1	4918.6	10388.4	9581.9	7978.8
80°	226.0	292.2	664.2	574.6	344.8	531.8	1281.7	2910.2	2035.6	1548.6
82.5°	132.5	190.9	553.2	379.8	192.8	196.7	362.3	619.4	527.9	411.0
85°	52.6	124.7	379.8	150.0	76.0	48.7	109.1	132.5	109.1	81.8
87.5°	0.0	29.2	66.2	0.0	5.8	3.9	7.8	9.7	9.7	7.8
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°
4811.4	0°	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4	4811.4
4815.3	2.5°	4832.8	4836.7	4848.4	4850.4	4823.1	4788.0	4774.4	4768.6	4745.2	4743.2
4846.5	5°	4891.3	4908.8	4891.3	4840.6	4719.9	4550.4	4421.8	4316.6	4221.2	4192.0
4953.6	7.5°	5008.2	5025.7	4973.1	4774.4	4470.5	4133.5	3829.7	3615.4	3422.5	3350.5
5084.1	10°	5175.7	5199.1	5033.5	4632.2	4094.6	3553.0	3038.8	2676.5	2394.0	2279.1
5261.4	12.5°	5386.1	5395.8	5066.6	4416.0	3605.6	2832.3	2103.8	1716.1	1464.9	1371.4
5475.7	15°	5617.9	5604.2	5070.5	4121.8	2939.4	2002.5	1373.3	1127.9	1026.6	995.4
5689.9	17.5°	5861.4	5804.9	4992.6	3697.2	2209.0	1369.4	1018.8	960.3	942.8	935.0
5902.3	20°	6101.0	5974.3	4850.4	3142.0	1585.6	1022.7	925.3	907.7	898.0	894.1
6116.5	22.5°	6319.1	6102.9	4606.9	2497.3	1151.2	903.8	874.6	859.0	841.5	833.7
6325.0	25°	6531.5	6176.9	4264.0	1895.3	921.4	845.4	822.0	792.8	769.4	759.7
6549.0	27.5°	6737.9	6223.7	3835.5	1402.5	822.0	790.9	748.0	707.1	689.6	685.7
6788.6	30°	6958.1	6239.3	3348.5	1046.0	761.6	722.7	660.4	613.6	603.9	605.8
7111.9	32.5°	7226.9	6262.6	2857.6	857.1	711.0	640.9	566.9	518.2	510.4	518.2
7583.3	35°	7548.3	6309.4	2384.3	788.9	666.2	557.1	477.2	436.3	428.5	434.4
8187.2	37.5°	7984.6	6385.4	1942.1	775.3	629.2	487.0	401.3	368.2	368.2	370.1
8927.4	40°	8565.1	6587.9	1546.7	765.5	609.7	434.4	338.9	325.3	331.2	335.0
9870.2	42.5°	9272.2	7018.4	1279.8	753.9	588.3	411.0	307.8	301.9	311.7	315.6
11000.0	45°	10065.0	7563.9	1186.3	734.4	568.8	426.6	294.1	286.3	298.0	300.0
12266.2	47.5°	10885.1	8097.6	1174.6	712.9	549.3	450.0	290.2	272.7	286.3	288.3
13618.1	50°	11714.9	8446.3	1186.3	679.8	518.2	450.0	292.2	259.1	270.8	276.6
15020.6	52.5°	12550.6	8606.0	1178.5	607.8	463.6	422.7	292.2	247.4	259.1	263.0
16536.1	55°	13360.9	8574.8	1059.7	500.6	393.5	374.0	284.4	237.6	245.4	247.4
17967.8	57.5°	14001.8	8140.5	839.6	389.6	319.5	311.7	259.1	226.0	231.8	229.9
19280.7	60°	14336.9	7186.0	600.0	300.0	251.3	245.4	227.9	210.4	214.3	204.5
20393.0	62.5°	14340.8	5923.7	401.3	237.6	200.6	194.8	194.8	189.0	185.1	165.6
21254.0	65°	14034.9	4523.1	266.9	189.0	161.7	151.9	163.6	161.7	148.0	120.8
21517.0	67.5°	13341.5	2964.8	202.6	148.0	124.7	118.8	130.5	136.4	126.6	101.3
20558.6	70°	11915.6	1725.9	167.5	114.9	93.5	87.7	105.2	116.9	105.2	81.8
17572.4	72.5°	9897.5	931.1	136.4	85.7	64.3	58.4	83.8	95.4	83.8	60.4
11274.7	75°	6422.4	498.7	105.2	56.5	33.1	37.0	62.3	70.1	58.4	39.0
3309.6	77.5°	2156.4	220.1	66.2	27.3	15.6	15.6	37.0	42.9	27.3	13.6
601.9	80°	481.1	91.6	27.3	11.7	5.8	5.8	7.8	7.8	3.9	0.0
185.1	82.5°	157.8	37.0	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0
46.8	85°	60.4	13.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	87.5°	23.4	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>
4811.4
4747.1
4174.4
3321.2
2230.4
1342.1
995.4
933.1
890.2
831.8
755.8
681.8
605.8
516.2
432.4
368.2
335.0
315.6
301.9
290.2
278.6
263.0
247.4
229.9
202.6
159.7
116.9
99.3
77.9
58.4
35.1
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