

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: P952764

Luminaire Tested: **GALN-SB6C-735-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952764
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-SB6C-735-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 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: 37809 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

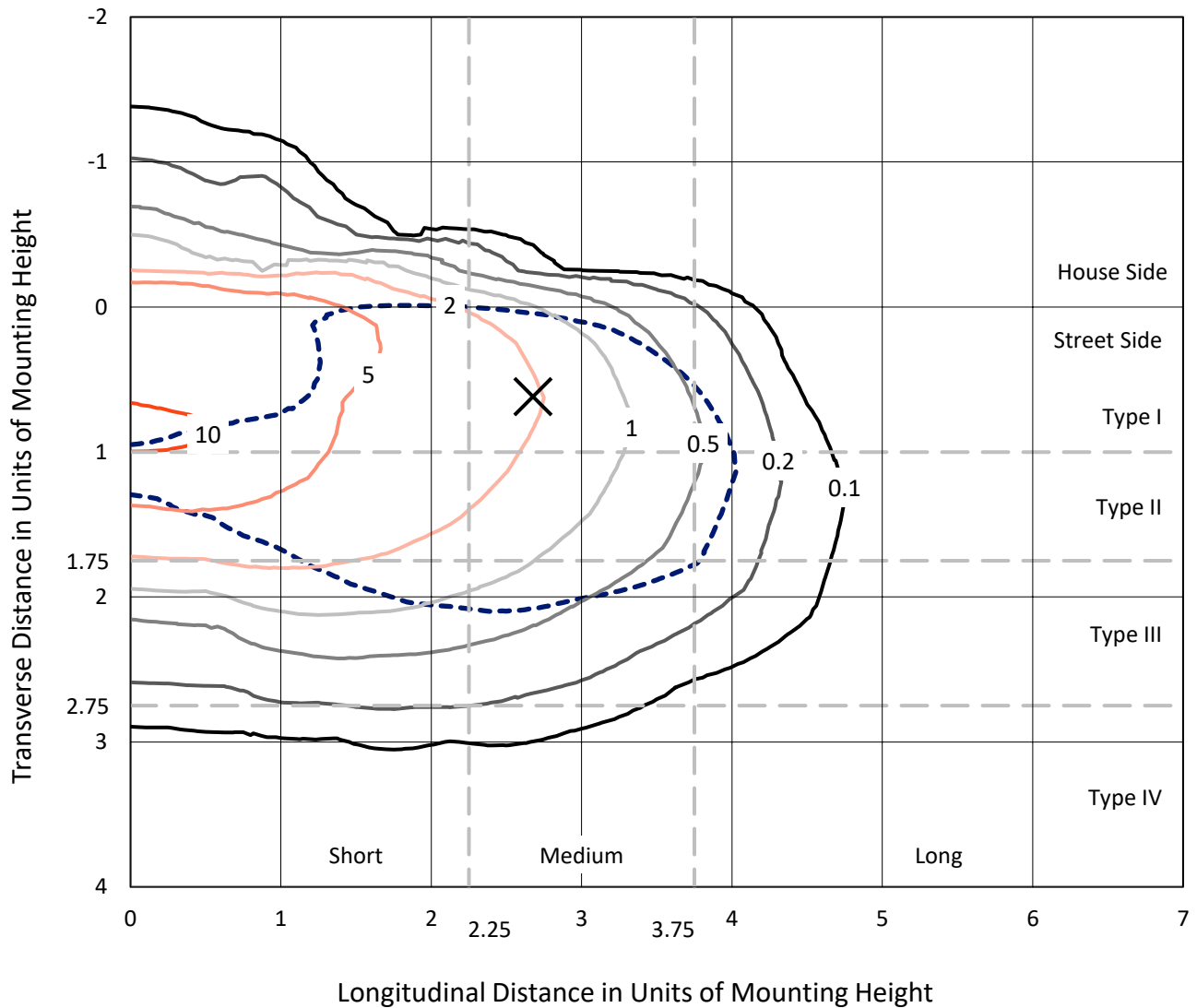
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

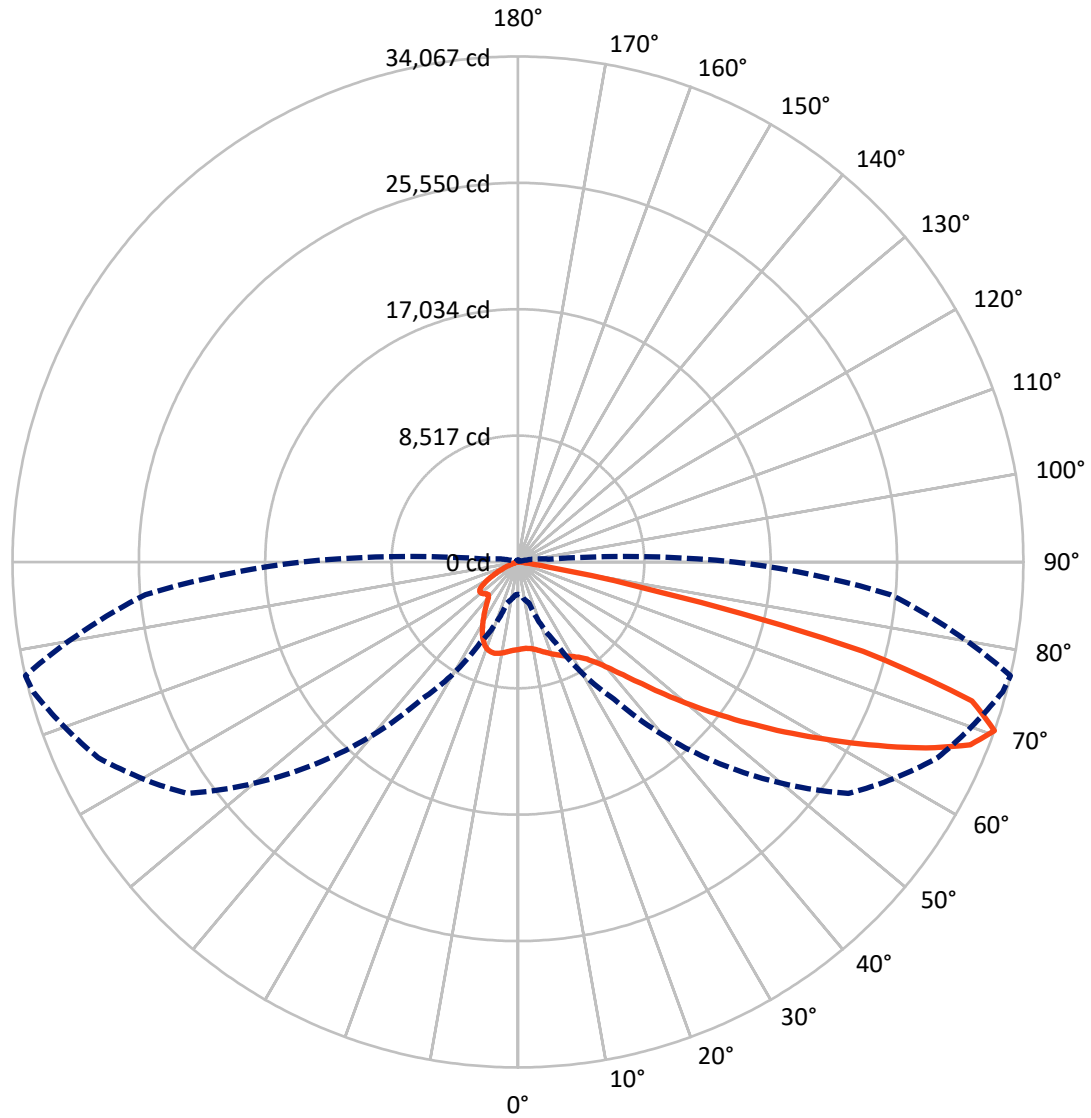
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	3985.6	0.0	3985.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	33823.4	0.0	33823.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	37809.0	0.0	37809.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.3	1.3
10°-20°	1206.6	3.2
20°-30°	1866.2	4.9
30°-40°	3386.4	9.0
40°-50°	6392.3	16.9
50°-60°	9236.3	24.4
60°-70°	9831.8	26.0
70°-80°	5210.1	13.8
80°-90°	171.1	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°	37809.0	100.0
0°-180°	37809.0	100.0

Coefficient of Utilization



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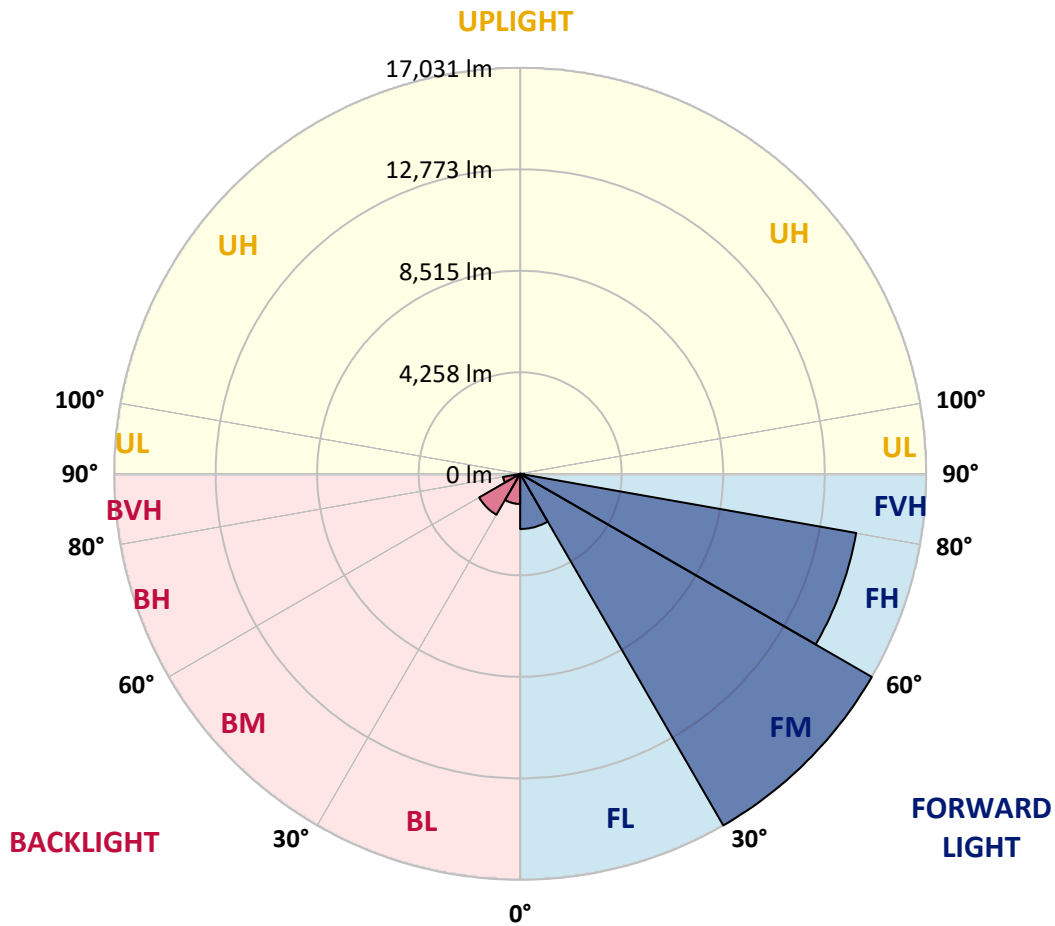
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2314.8	6.1			
FM (30°-60°)	17030.9	45.0			
FH (60°-80°)	14311.2	37.9			G5
FVH (80°-90°)	166.5	0.4			G2/225
BL (0°-30°)	1266.3	3.3	B3/2500		
BM (30°-60°)	1984.0	5.2	B2/2500		
BH (60°-80°)	730.7	1.9	B2/1000		G2/1000
BVH (80°-90°)	4.6	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°	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5
2.5°	5537.0	5587.1	5580.0	5613.4	5625.3	5673.1	5720.8	5785.3	5856.9	5854.5
5°	5224.2	5274.3	5286.3	5331.6	5388.9	5463.0	5560.9	5689.8	5823.5	5845.0
7.5°	4854.1	4906.6	4937.7	5028.4	5133.5	5286.3	5446.3	5634.9	5856.9	5888.0
10°	4484.0	4531.8	4572.4	4701.3	4868.4	5095.3	5355.5	5627.7	5926.2	5971.5
12.5°	4254.8	4300.2	4345.5	4457.8	4665.5	4942.5	5295.8	5661.1	6040.8	6105.2
15°	4173.6	4214.2	4250.0	4350.3	4543.7	4858.9	5283.9	5730.4	6186.4	6272.4
17.5°	4185.6	4207.1	4230.9	4307.3	4496.0	4820.7	5305.4	5849.8	6358.3	6434.7
20°	4254.8	4266.7	4269.1	4321.7	4488.8	4815.9	5348.4	5964.4	6520.7	6623.4
22.5°	4343.2	4347.9	4343.2	4379.0	4534.2	4851.7	5405.7	6102.9	6702.2	6797.7
25°	4756.2	4665.5	4550.9	4481.6	4610.6	4921.0	5491.6	6289.1	6900.3	6993.5
27.5°	6038.4	5778.1	5367.5	4906.6	4768.2	5021.2	5611.0	6477.7	7100.9	7184.5
30°	8120.4	7779.0	7081.8	6043.2	5274.3	5231.4	5766.2	6666.3	7313.4	7404.1
32.5°	10207.2	10123.7	9319.0	7881.7	6413.3	5699.3	6024.1	6921.8	7595.1	7666.8
35°	12317.9	12148.4	11489.4	10068.8	8168.2	6652.0	6453.8	7256.1	7965.2	8046.4
37.5°	13934.4	13831.7	13423.4	12253.5	10250.2	8122.8	7189.2	7774.2	8502.5	8593.2
40°	15362.2	15314.5	15176.0	14404.8	12578.2	10047.3	8332.9	8576.5	9247.4	9354.9
42.5°	16484.4	16596.6	16675.4	16460.5	14977.8	12243.9	9870.6	9703.5	10286.0	10395.9
45°	17632.9	17671.1	17988.6	18299.0	17360.7	14540.9	11604.0	11023.8	11577.8	11713.9
47.5°	18370.7	18523.5	19082.2	19629.0	19363.9	16818.7	13466.4	12583.0	13074.8	13330.3
50°	18425.6	18714.5	19483.3	20436.0	20822.8	18986.7	15491.1	14359.4	14882.3	15164.0
52.5°	17511.1	17960.0	19151.4	20545.8	21610.7	20822.8	17585.1	16135.8	16806.7	17174.4
55°	13425.8	14013.2	17902.7	19948.9	21641.8	22214.8	19624.2	17986.2	18950.9	19366.3
57.5°	11697.1	11993.2	14075.3	18912.7	21066.3	22775.9	21467.5	19748.3	21283.6	21799.3
60°	9732.1	10121.3	11804.6	17217.4	20285.6	22830.8	23095.8	22021.4	23812.1	24392.3
62.5°	6613.8	7036.4	8710.2	14304.5	19218.3	22804.5	24430.5	24361.3	26622.4	27245.6
65°	4097.2	4362.3	5465.4	11680.4	17726.0	22833.2	25827.3	27202.6	29587.9	30220.6
67.5°	3237.7	3359.4	3934.9	8968.1	15154.5	22188.5	27221.7	29874.4	32379.1	32880.5
70°	2175.2	2249.2	2862.8	6012.1	11274.5	19213.5	27195.5	31216.3	33816.4	34067.1
72.5°	1146.1	1203.4	1673.7	2784.0	6809.6	13657.4	22923.9	29611.8	32386.2	32009.0
75°	573.0	668.5	1127.0	1413.5	2908.2	7616.6	14235.2	23346.5	25490.7	24029.4
77.5°	434.6	525.3	931.2	931.2	1012.4	2564.3	6028.8	12733.4	11744.9	9779.9
80°	277.0	358.1	814.2	704.4	422.6	651.8	1571.1	3567.2	2495.1	1898.2
82.5°	162.4	234.0	678.1	465.6	236.4	241.2	444.1	759.3	647.1	503.8
85°	64.5	152.8	465.6	183.8	93.1	59.7	133.7	162.4	133.7	100.3
87.5°	0.0	35.8	81.2	0.0	7.2	4.8	9.6	11.9	11.9	9.6
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°
5897.5	0°	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5	5897.5
5902.3	2.5°	5923.8	5928.6	5942.9	5945.3	5911.8	5868.9	5852.2	5845.0	5816.3	5814.0
5940.5	5°	5995.4	6016.9	5995.4	5933.3	5785.3	5577.6	5420.0	5291.1	5174.1	5138.2
6071.8	7.5°	6138.7	6160.2	6095.7	5852.2	5479.7	5066.6	4694.1	4431.5	4195.1	4106.8
6231.8	10°	6344.0	6372.7	6169.7	5677.9	5018.9	4355.1	3724.8	3280.6	2934.4	2793.6
6449.1	12.5°	6601.9	6613.8	6210.3	5412.8	4419.6	3471.7	2578.7	2103.5	1795.5	1680.9
6711.7	15°	6886.0	6869.3	6215.1	5052.3	3603.0	2454.5	1683.3	1382.5	1258.3	1220.1
6974.4	17.5°	7184.5	7115.2	6119.6	4531.8	2707.6	1678.5	1248.7	1177.1	1155.6	1146.1
7234.6	20°	7478.2	7323.0	5945.3	3851.3	1943.6	1253.5	1134.1	1112.6	1100.7	1095.9
7497.3	22.5°	7745.6	7480.5	5646.8	3061.0	1411.1	1107.9	1072.1	1053.0	1031.5	1021.9
7752.7	25°	8005.8	7571.3	5226.6	2323.2	1129.4	1036.2	1007.6	971.8	943.1	931.2
8027.3	27.5°	8258.9	7628.6	4701.3	1719.1	1007.6	969.4	916.9	866.7	845.2	840.5
8321.0	30°	8528.7	7647.7	4104.4	1282.2	933.6	885.8	809.4	752.1	740.2	742.6
8717.3	32.5°	8858.2	7676.3	3502.7	1050.6	871.5	785.5	694.8	635.1	625.6	635.1
9295.2	35°	9252.2	7733.6	2922.5	967.0	816.6	682.9	585.0	534.8	525.3	532.4
10035.3	37.5°	9787.0	7826.8	2380.5	950.3	771.2	596.9	491.9	451.3	451.3	453.7
10942.6	40°	10498.5	8075.1	1895.8	938.4	747.3	532.4	415.5	398.7	405.9	410.7
12098.3	42.5°	11365.3	8602.7	1568.7	924.0	721.1	503.8	377.3	370.1	382.0	386.8
13483.1	45°	12337.0	9271.3	1454.1	900.1	697.2	522.9	360.5	351.0	365.3	367.7
15035.1	47.5°	13342.2	9925.5	1439.8	873.9	673.3	551.5	355.8	334.3	351.0	353.4
16692.1	50°	14359.4	10352.9	1454.1	833.3	635.1	551.5	358.1	317.6	331.9	339.0
18411.2	52.5°	15383.7	10548.7	1444.5	745.0	568.3	518.1	358.1	303.2	317.6	322.3
20268.8	55°	16377.0	10510.5	1298.9	613.6	482.3	458.4	348.6	291.3	300.8	303.2
22023.8	57.5°	17162.5	9978.0	1029.1	477.5	391.6	382.0	317.6	277.0	284.1	281.7
23633.1	60°	17573.2	8808.1	735.4	367.7	308.0	300.8	279.4	257.9	262.6	250.7
24996.4	62.5°	17578.0	7260.9	491.9	291.3	245.9	238.8	238.8	231.6	226.8	203.0
26051.8	65°	17203.1	5544.1	327.1	231.6	198.2	186.2	200.6	198.2	181.5	148.0
26374.1	67.5°	16353.1	3634.0	248.3	181.5	152.8	145.6	160.0	167.1	155.2	124.2
25199.4	70°	14605.3	2115.5	205.3	140.9	114.6	107.4	128.9	143.3	128.9	100.3
21539.1	72.5°	12131.7	1141.3	167.1	105.1	78.8	71.6	102.7	117.0	102.7	74.0
13819.8	75°	7872.1	611.2	128.9	69.2	40.6	45.4	76.4	86.0	71.6	47.8
4056.6	77.5°	2643.1	269.8	81.2	33.4	19.1	19.1	45.4	52.5	33.4	16.7
737.8	80°	589.8	112.2	33.4	14.3	7.2	7.2	9.6	9.6	4.8	0.0
226.8	82.5°	193.4	45.4	14.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0
57.3	85°	74.0	16.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.1	87.5°	28.7	2.4	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>
5897.5
5818.7
5116.8
4071.0
2733.9
1645.1
1220.1
1143.7
1091.2
1019.5
926.4
835.7
742.6
632.7
530.1
451.3
410.7
386.8
370.1
355.8
341.4
322.3
303.2
281.7
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143.3
121.8
95.5
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