

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: P952655

Luminaire Tested: **GALN-SB6B-940-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-940-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20950 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

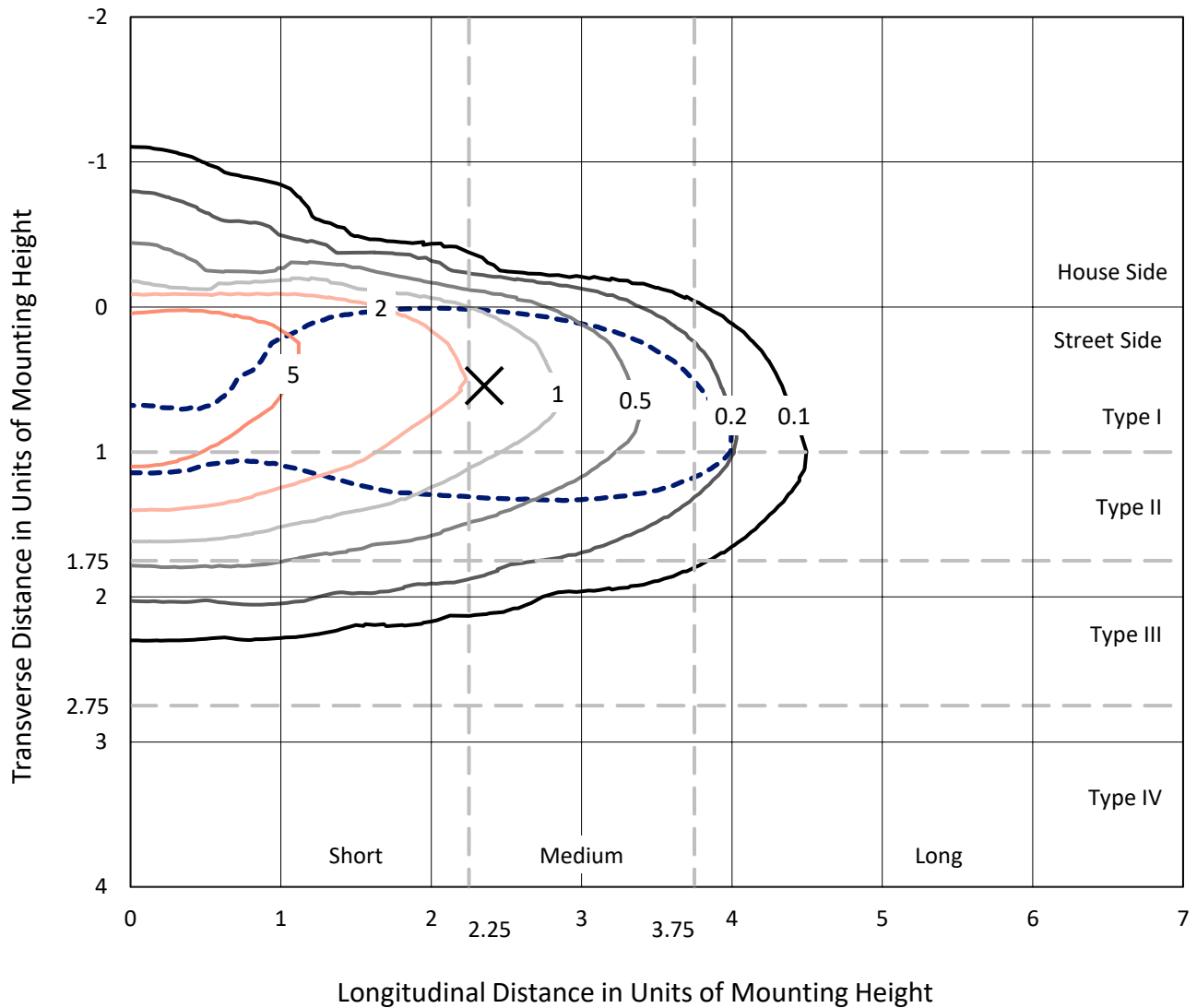
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

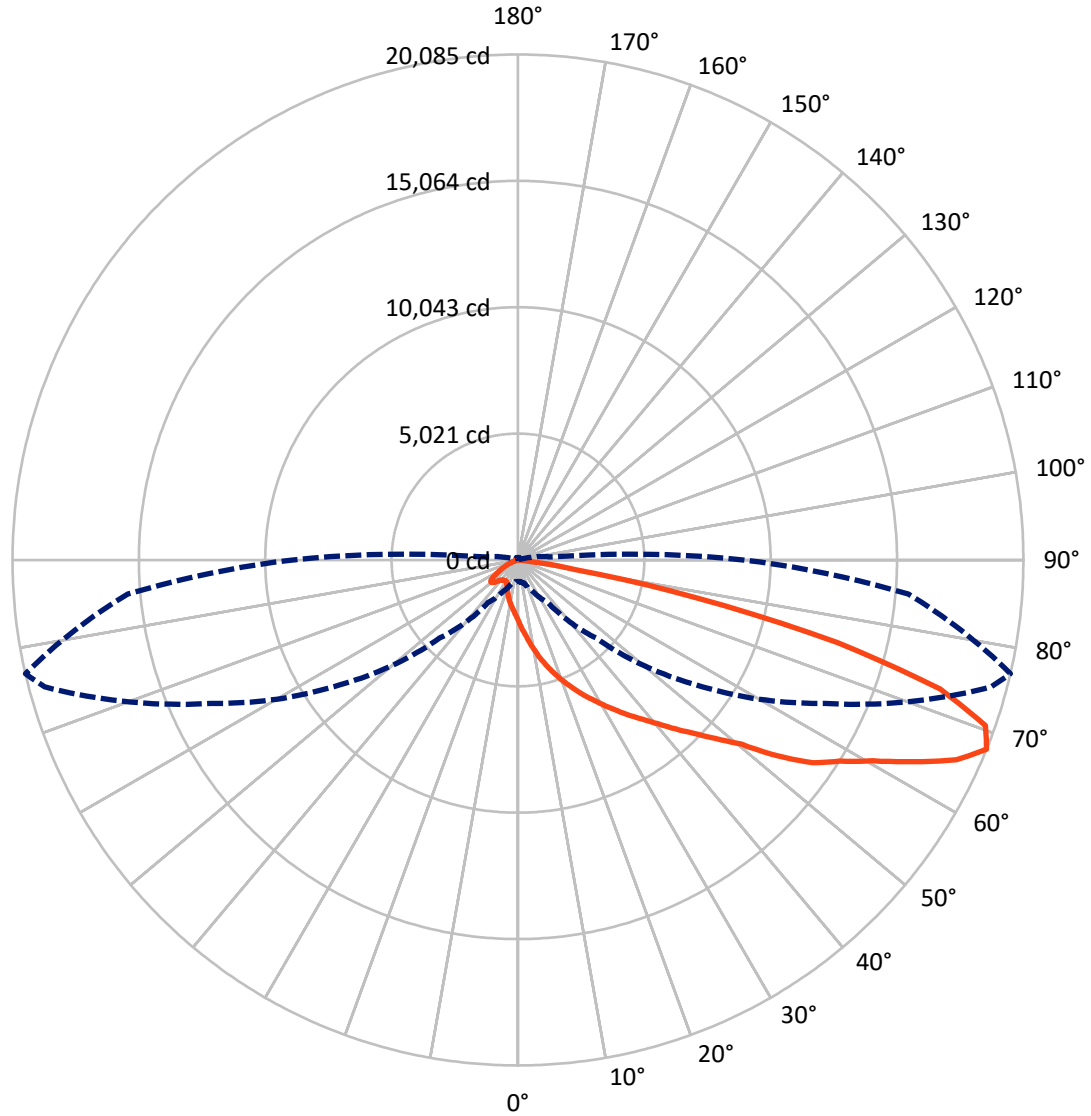
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1541.3	0.0	1541.3
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	19408.7	0.0	19408.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	20950.0	0.0	20950.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	1.2
10°-20°	863.5	4.1
20°-30°	1666.3	8.0
30°-40°	2892.8	13.8
40°-50°	4200.1	20.0
50°-60°	4823.3	23.0
60°-70°	4187.5	20.0
70°-80°	1972.4	9.4
80°-90°	97.5	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°	20950.0	100.0
0°-180°	20950.0	100.0

Coefficient of Utilization



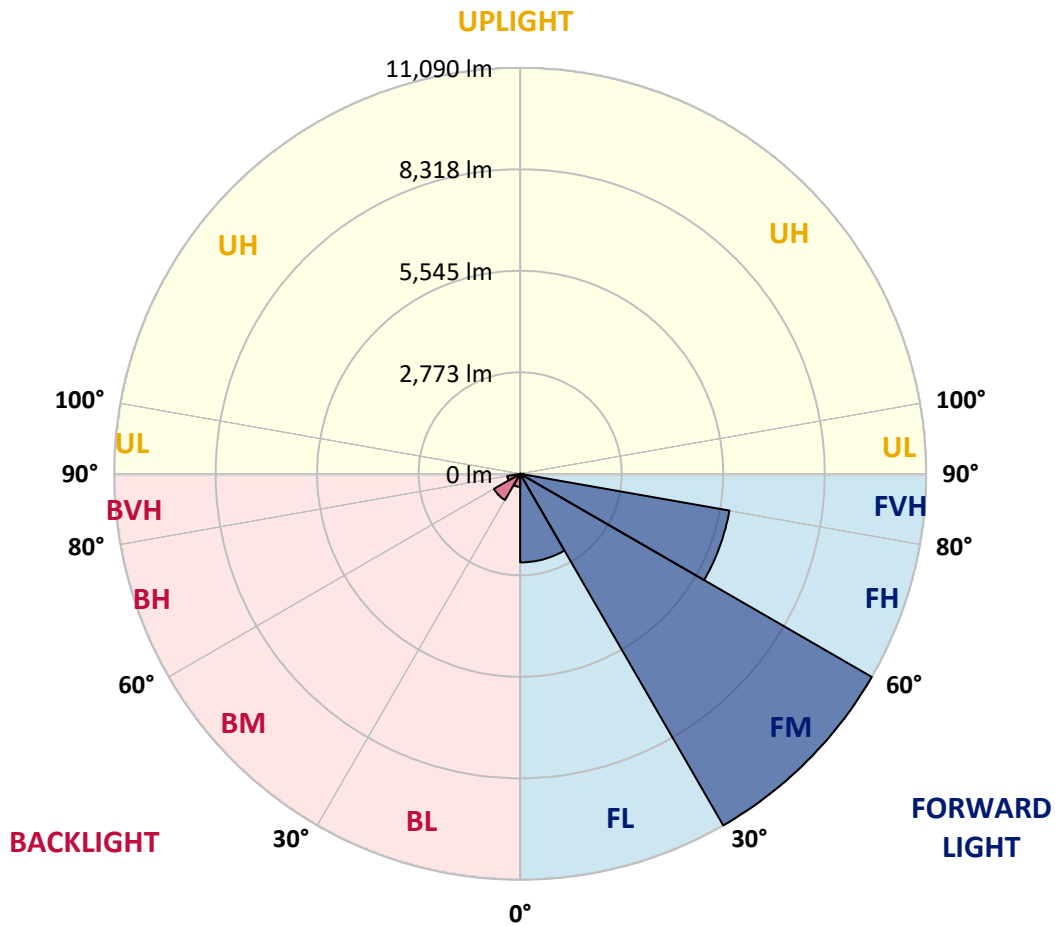
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2419.5	11.5			
FM (30°-60°)	11090.4	52.9			
FH (60°-80°)	5803.1	27.7			G3/7500
FVH (80°-90°)	95.7	0.5			G1/100
BL (0°-30°)	356.8	1.7	B1/500		
BM (30°-60°)	825.8	3.9	B1/1000		
BH (60°-80°)	356.8	1.7	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8
2.5°	3344.7	3365.5	3335.6	3278.4	3192.5	3136.6	3000.0	2871.2	2728.1	2682.5
5°	4077.1	4095.4	4061.5	3999.1	3884.6	3775.3	3595.8	3326.5	3046.8	2957.0
7.5°	4619.6	4630.0	4617.0	4559.8	4450.5	4326.9	4126.6	3807.8	3392.8	3294.0
10°	5009.9	5043.7	5039.8	5017.7	4944.9	4844.7	4631.3	4268.4	3780.5	3653.0
12.5°	5268.8	5306.5	5328.6	5378.1	5374.2	5310.4	5123.1	4739.3	4166.9	4017.3
15°	5344.3	5384.6	5469.1	5583.6	5685.1	5717.6	5586.2	5201.2	4592.3	4401.1
17.5°	5301.3	5363.8	5465.2	5646.1	5868.5	6015.5	6001.2	5647.4	4978.7	4760.1
20°	5396.3	5456.1	5535.5	5687.7	5946.6	6213.3	6320.0	6074.1	5362.5	5133.5
22.5°	5921.9	5911.5	5919.3	5944.0	6098.8	6362.9	6582.7	6461.8	5742.3	5508.2
25°	6754.5	6707.6	6628.3	6494.3	6455.3	6582.7	6811.7	6805.2	6143.0	5892.0
27.5°	7709.4	7701.6	7515.5	7192.9	7010.8	6961.3	7070.6	7139.6	6539.8	6271.8
30°	8623.9	8644.7	8393.7	8034.6	7700.3	7506.4	7407.5	7457.0	6943.1	6681.6
32.5°	9420.1	9442.2	9169.0	8748.8	8335.1	8100.9	7892.8	7770.5	7382.8	7097.9
35°	10092.7	10114.8	9801.3	9336.8	8895.8	8683.8	8448.3	8114.0	7825.1	7559.8
37.5°	10693.7	10687.2	10267.0	9798.7	9365.5	9197.6	9074.0	8536.8	8280.5	8024.2
40°	11048.9	11076.2	10717.1	10200.7	9780.5	9658.2	9650.4	9061.0	8806.1	8557.6
42.5°	11152.9	11201.1	10940.9	10516.8	10135.6	10002.9	10207.2	9628.2	9417.5	9175.5
45°	10965.6	11012.4	10894.1	10600.0	10377.6	10291.7	10685.9	10216.3	10070.6	9831.2
47.5°	10419.2	10477.8	10506.4	10443.9	10441.3	10528.5	11115.2	10835.5	10845.9	10601.3
50°	9361.6	9460.4	9723.2	9944.4	10286.5	10715.8	11532.8	11506.8	11720.2	11509.4
52.5°	7438.8	7579.3	8484.7	9089.7	9858.5	10680.7	11992.1	12584.0	13254.0	12945.6
55°	5977.8	5977.8	6714.1	7846.0	9023.3	10449.1	12192.4	13283.9	14298.6	14225.8
57.5°	4873.3	4931.9	5401.5	6401.9	7814.7	9897.5	12316.0	13723.6	15140.3	15087.0
60°	3007.8	3134.0	4021.2	5008.6	6439.6	8915.3	12237.9	14168.5	16161.6	16204.5
62.5°	1693.8	1740.7	2136.1	3603.6	5007.3	7594.9	11640.8	14417.0	17467.7	17649.8
65°	1169.5	1193.0	1345.2	2242.8	3470.9	6046.8	10473.9	14262.2	18776.4	19144.6
67.5°	849.5	861.2	956.2	1369.9	2059.4	4384.2	8644.7	13481.6	19469.8	20085.2
70°	653.1	660.9	729.8	900.2	1216.4	2706.0	6278.3	11929.6	18967.7	19702.7
72.5°	530.8	538.6	591.9	666.1	806.6	1600.2	3805.2	9688.1	16750.9	17544.5
75°	447.5	457.9	506.1	554.2	632.3	1027.7	1784.9	6746.7	12597.0	13117.4
77.5°	248.5	229.0	411.1	459.2	533.4	650.5	835.2	3970.5	7055.0	7199.4
80°	154.8	160.0	326.5	369.5	409.8	327.8	382.5	1528.6	2445.8	2323.5
82.5°	9.1	20.8	251.1	266.7	281.0	140.5	144.4	519.1	589.3	541.2
85°	0.0	0.0	114.5	92.4	97.6	40.3	41.6	121.0	79.4	85.9
87.5°	0.0	0.0	0.0	2.6	0.0	3.9	7.8	10.4	3.9	5.2
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°
2415.8	0°	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8	2415.8
2539.4	2.5°	2448.4	2357.3	2172.6	1991.7	1844.7	1708.1	1610.6	1518.2	1471.4	1468.8
2703.4	5°	2522.5	2331.3	1961.8	1635.3	1372.5	1161.7	1025.1	927.6	878.1	861.2
2905.0	7.5°	2626.6	2339.1	1777.1	1323.1	1013.4	832.6	754.5	723.3	712.9	701.2
3132.7	10°	2758.0	2357.3	1611.9	1065.5	798.8	707.7	676.5	663.5	655.7	647.9
3388.9	12.5°	2905.0	2374.2	1447.9	884.6	702.5	655.7	633.6	617.9	607.5	598.4
3651.7	15°	3048.1	2384.6	1277.5	758.4	653.1	615.3	591.9	575.0	560.7	550.3
3909.3	17.5°	3189.9	2398.9	1117.5	683.0	612.7	575.0	551.6	530.8	519.1	507.4
4179.9	20°	3347.3	2396.3	966.6	629.7	572.4	534.7	510.0	490.5	478.7	465.7
4466.1	22.5°	3493.0	2383.3	833.9	584.1	530.8	494.4	467.0	447.5	435.8	425.4
4758.8	25°	3660.8	2372.9	723.3	542.5	491.8	455.3	425.4	407.2	394.2	385.1
5052.8	27.5°	3822.2	2357.3	642.7	504.8	454.0	418.9	390.3	369.5	357.8	351.3
5356.0	30°	3980.9	2353.4	612.7	468.3	420.2	385.1	356.5	336.9	327.8	325.2
5689.0	32.5°	4172.1	2363.8	625.8	455.3	389.0	353.9	326.5	312.2	303.1	303.1
6059.8	35°	4376.4	2361.2	645.3	467.0	368.2	322.6	301.8	292.7	283.6	283.6
6470.9	37.5°	4632.6	2365.1	660.9	486.6	360.4	296.6	284.9	273.2	268.0	268.0
6921.0	40°	5015.1	2493.9	653.1	503.5	357.8	278.4	255.0	251.1	247.2	247.2
7429.7	42.5°	5483.5	2773.6	663.5	504.8	356.5	265.4	234.2	242.0	232.9	231.6
8003.4	45°	5996.0	3079.3	729.8	477.4	355.2	258.9	223.8	232.9	218.6	218.6
8668.2	47.5°	6504.7	3382.4	797.5	438.4	351.3	257.6	214.7	209.5	205.5	206.8
9534.6	50°	7205.9	3629.6	823.5	385.1	342.1	255.0	197.7	199.0	196.4	199.0
10756.2	52.5°	7969.5	3681.7	792.3	325.2	316.1	247.2	186.0	191.2	189.9	192.5
11616.1	55°	8445.7	3625.7	654.4	270.6	275.8	216.0	174.3	184.7	184.7	184.7
12456.5	57.5°	8937.4	3387.6	464.4	219.9	229.0	176.9	163.9	178.2	176.9	175.6
13468.6	60°	9291.3	3002.6	305.7	180.8	182.1	145.7	152.2	167.8	166.5	160.0
14512.0	62.5°	9555.4	2577.2	196.4	153.5	139.2	131.4	139.2	152.2	147.0	132.7
15396.6	65°	9525.5	1987.8	150.9	131.4	114.5	114.5	121.0	132.7	117.1	93.7
15565.7	67.5°	8970.0	1345.2	124.9	110.6	96.3	95.0	100.2	110.6	100.2	79.4
14699.3	70°	7977.4	879.4	100.2	85.9	76.8	70.3	80.7	95.0	84.6	63.7
12513.7	72.5°	6474.8	536.0	75.5	62.4	55.9	45.5	63.7	78.1	67.6	46.8
8702.0	75°	4189.0	273.2	52.0	40.3	29.9	27.3	46.8	58.5	46.8	28.6
3861.2	77.5°	1602.8	114.5	28.6	18.2	15.6	13.0	26.0	35.1	19.5	6.5
748.0	80°	308.3	48.1	14.3	9.1	7.8	5.2	3.9	2.6	0.0	0.0
132.7	82.5°	53.3	15.6	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
26.0	85°	18.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.1	87.5°	6.5	0.0	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>
2415.8
1466.2
858.6
698.6
645.3
595.8
549.0
506.1
464.4
424.1
383.8
351.3
323.9
303.1
283.6
268.0
247.2
230.3
218.6
206.8
199.0
192.5
184.7
175.6
160.0
130.1
91.1
76.8
61.1
44.2
24.7
5.2
0.0
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