

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: P943466

Luminaire Tested: **GALN-SB7D-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39483 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

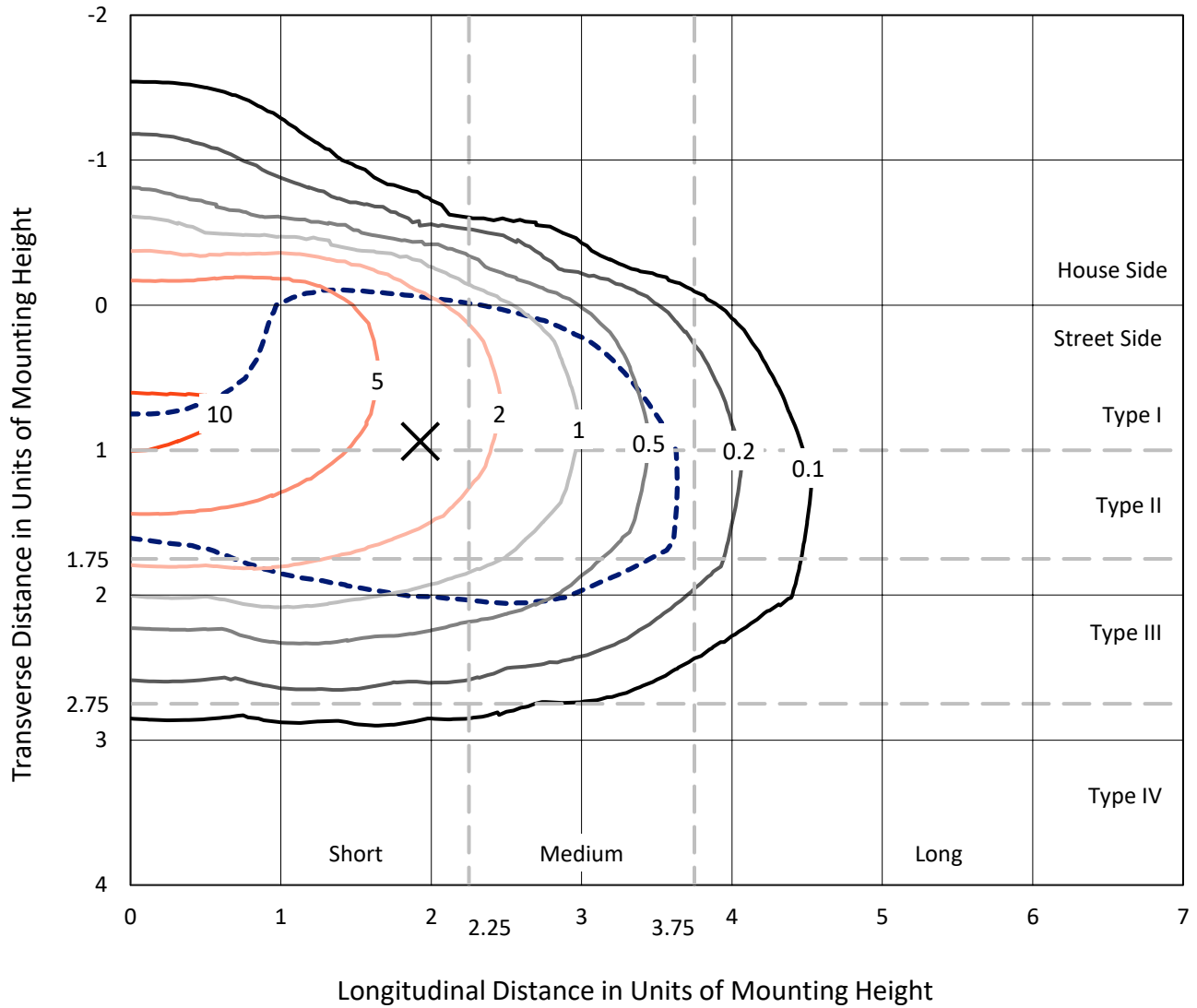
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

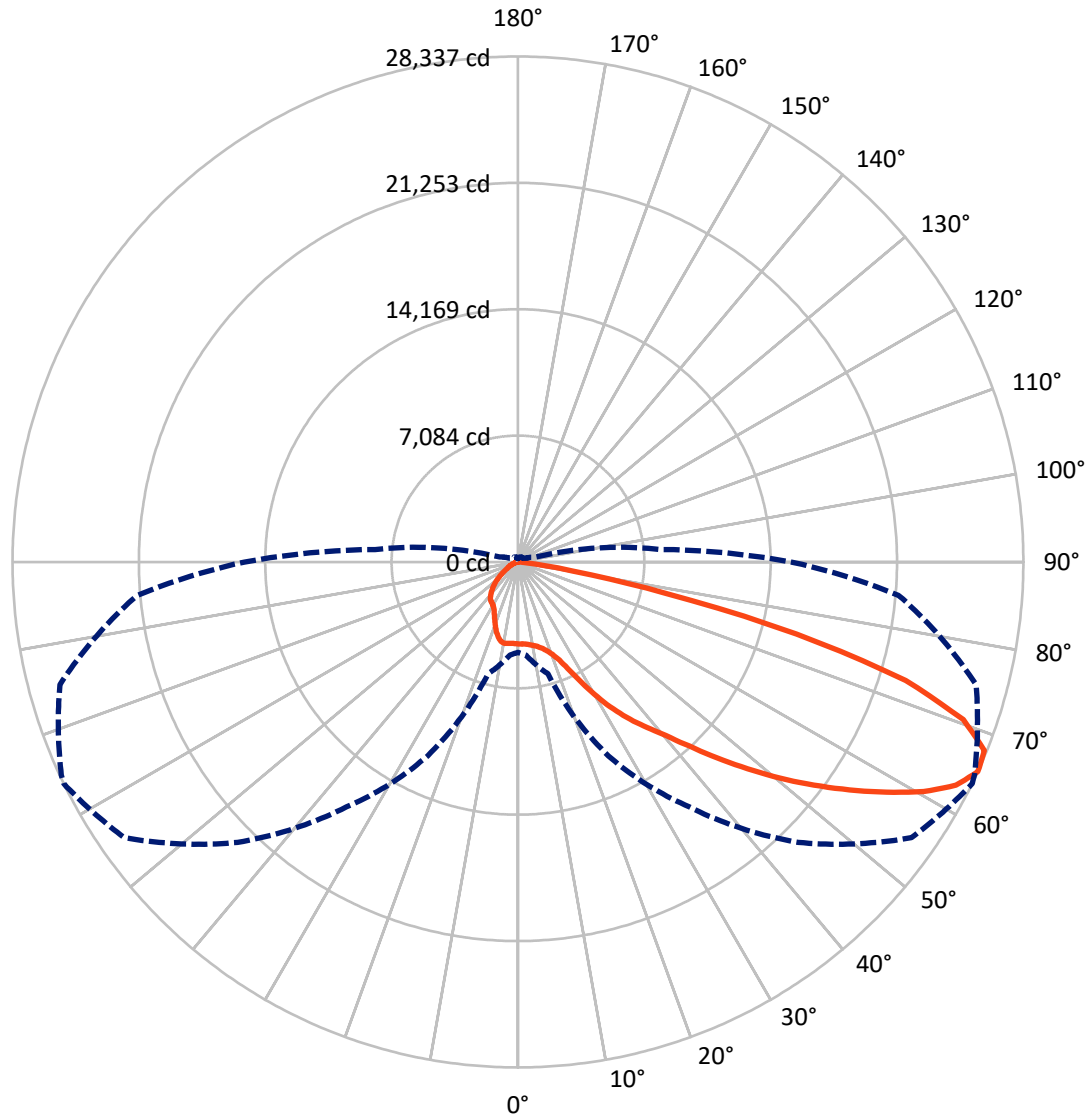
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5280.1	0.0	5280.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	34202.9	0.0	34202.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	39483.0	0.0	39483.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.7	1.1
10°-20°	1149.2	2.9
20°-30°	2177.5	5.5
30°-40°	4406.3	11.2
40°-50°	7506.2	19.0
50°-60°	10207.9	25.9
60°-70°	9585.7	24.3
70°-80°	3840.4	9.7
80°-90°	186.1	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°	39483.0	100.0
0°-180°	39483.0	100.0

Coefficient of Utilization



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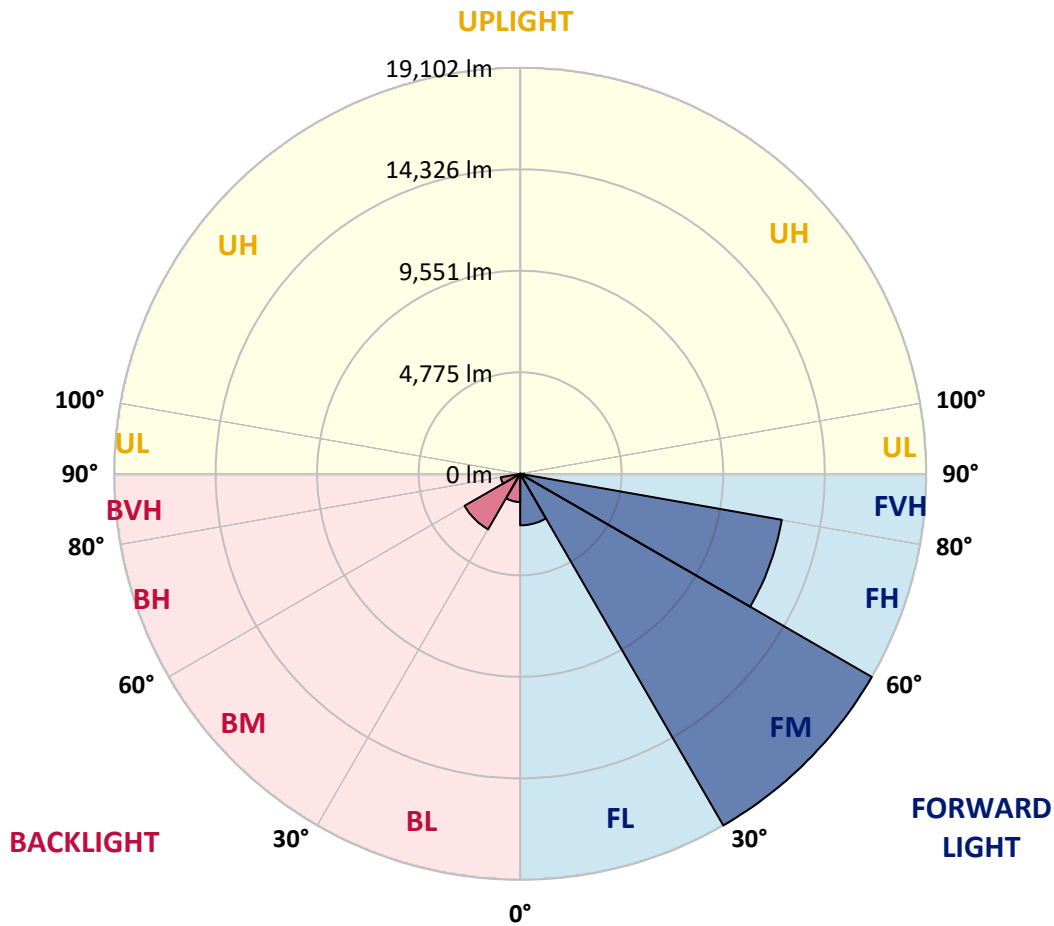
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2424.7	6.1			
FM (30°-60°)	19101.8	48.4			
FH (60°-80°)	12499.4	31.7			G5
FVH (80°-90°)	177.0	0.4			G2/225
BL (0°-30°)	1325.7	3.4	B3/2500		
BM (30°-60°)	3018.6	7.6	B3/5000		
BH (60°-80°)	926.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.1	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3
2.5°	4576.4	4608.2	4600.2	4592.3	4589.6	4594.9	4597.6	4594.9	4594.9	4594.9
5°	4489.1	4515.5	4515.5	4534.1	4560.5	4592.3	4616.1	4621.4	4626.7	4634.6
7.5°	4322.3	4343.5	4359.4	4420.2	4486.4	4571.1	4642.6	4679.6	4684.9	4714.0
10°	4208.5	4235.0	4261.4	4325.0	4420.2	4547.3	4669.0	4759.0	4772.3	4841.1
12.5°	4203.2	4229.7	4264.1	4332.9	4444.1	4579.0	4727.3	4857.0	4880.8	4981.4
15°	4258.8	4290.5	4322.3	4407.0	4526.1	4690.2	4849.0	5010.5	5034.3	5177.2
17.5°	4372.6	4414.9	4438.8	4523.5	4650.5	4833.1	5042.2	5227.5	5248.7	5415.5
20°	4597.6	4647.9	4655.8	4724.6	4849.0	5044.9	5293.7	5524.0	5550.4	5741.0
22.5°	5063.4	5134.9	5071.4	5105.8	5216.9	5412.8	5682.8	5973.9	6011.0	6228.0
25°	5883.9	5984.5	5820.4	5762.2	5809.8	6013.6	6352.4	6720.3	6762.7	6937.4
27.5°	7495.9	7366.2	7117.4	6873.9	6730.9	6847.4	7228.5	7683.8	7736.7	7906.1
30°	9266.6	9152.8	8816.7	8276.7	7937.9	7919.4	8271.4	8779.6	8840.5	9001.9
32.5°	11040.0	10931.5	10566.2	9901.9	9314.3	9023.1	9266.6	9830.4	9862.2	9965.4
35°	12784.3	12673.1	12307.8	11627.6	10905.0	10243.3	10195.7	10830.9	10841.5	10950.0
37.5°	14539.1	14446.5	14057.4	13390.4	12678.4	11765.2	11323.2	11778.5	11791.7	11897.6
40°	15791.1	15830.8	15563.5	15047.3	14435.9	13438.1	12588.4	12786.9	12707.5	12884.9
42.5°	16865.7	16945.1	16712.2	16452.8	16098.1	15219.4	14155.3	14120.9	13993.9	14089.2
45°	17794.8	17860.9	17651.8	17591.0	17583.0	16966.3	15867.9	15661.4	15484.1	15465.5
47.5°	18136.2	18263.3	18353.3	18557.1	18954.1	18694.7	17638.6	17318.3	17119.8	16974.2
50°	18265.9	18400.9	18707.9	19300.8	20240.5	20351.6	19401.4	19041.4	18797.9	18533.2
52.5°	18091.2	18332.1	18745.0	19742.8	21106.0	21680.3	21092.7	20777.8	20499.8	20068.4
55°	17061.6	17302.5	18146.8	19737.6	21537.4	22612.0	22691.4	22551.2	22238.8	21558.6
57.5°	14891.2	15248.5	16585.2	19065.3	21529.5	23414.0	24258.4	24359.0	24009.6	23035.5
60°	11884.4	12368.7	13999.2	17575.1	20865.1	23848.1	25632.1	26135.0	25764.4	24491.3
62.5°	8292.6	8853.7	10396.8	15240.6	19345.8	23535.8	26635.2	27564.3	27283.7	25793.5
65°	5058.1	5238.1	6482.1	11992.9	16762.5	22228.2	26944.9	28337.2	28244.5	26590.2
67.5°	3369.4	3520.3	3877.6	8223.8	13011.9	19615.8	26203.8	28202.2	28228.6	26460.5
70°	2030.1	2159.8	2392.8	4782.9	8432.9	15526.4	23909.0	26481.7	26635.2	24726.9
72.5°	836.4	923.8	1135.5	2167.8	4367.3	9854.2	19038.8	22736.4	23093.8	20791.0
75°	473.8	518.8	667.0	1087.9	1895.1	4592.3	11532.3	16140.5	16667.2	14330.0
77.5°	315.0	336.1	431.4	704.1	1066.7	1566.9	4928.4	8409.0	9414.8	7826.7
80°	211.7	230.3	296.4	471.1	693.5	672.3	1569.6	3115.3	3832.6	2689.2
82.5°	142.9	145.6	211.7	309.7	439.4	325.6	463.2	968.7	1217.6	778.2
85°	82.1	79.4	156.2	180.0	195.9	135.0	140.3	291.2	381.1	328.2
87.5°	10.6	15.9	60.9	47.6	26.5	29.1	29.1	50.3	74.1	79.4
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°
4592.3	0°	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3	4592.3
4597.6	2.5°	4597.6	4594.9	4587.0	4579.0	4560.5	4549.9	4555.2	4549.9	4547.3	4549.9
4632.0	5°	4632.0	4624.0	4602.9	4576.4	4539.3	4494.3	4465.2	4422.9	4383.2	4359.4
4724.6	7.5°	4724.6	4716.7	4687.6	4613.5	4494.3	4306.4	4134.4	3983.5	3869.7	3803.5
4872.8	10°	4872.8	4859.6	4814.6	4650.5	4338.2	3927.9	3586.5	3303.3	3118.0	3030.6
5047.5	12.5°	5047.5	5031.7	4952.3	4616.1	4041.7	3401.2	2930.1	2615.1	2443.0	2366.3
5248.7	15°	5254.0	5232.8	5076.7	4452.0	3610.3	2818.9	2387.5	2151.9	2040.7	1971.9
5505.4	17.5°	5510.7	5473.7	5169.3	4205.8	3141.8	2374.2	2054.0	1876.6	1778.7	1712.5
5841.6	20°	5844.2	5783.4	5243.4	3912.0	2710.4	2093.7	1829.0	1680.7	1606.6	1548.4
6318.0	22.5°	6310.1	6222.7	5333.4	3594.4	2406.0	1900.4	1662.2	1553.7	1492.8	1426.7
6982.4	25°	6887.1	6783.9	5444.6	3300.6	2196.9	1733.7	1540.5	1450.5	1379.0	1302.2
7853.2	27.5°	7694.4	7509.1	5576.9	3059.8	2016.9	1590.8	1429.3	1328.7	1246.7	1183.1
8840.5	30°	8594.3	8289.9	5693.4	2914.2	1852.8	1458.4	1283.7	1183.1	1106.4	1061.4
9727.2	32.5°	9446.6	9033.7	5770.1	2850.7	1704.6	1307.5	1124.9	1016.4	958.2	944.9
10595.3	35°	10251.2	9706.0	5762.2	2789.8	1572.2	1156.7	968.7	857.6	812.6	820.5
11529.7	37.5°	11177.6	10423.3	5706.6	2694.5	1463.7	1019.0	833.8	735.8	696.1	698.8
12665.2	40°	12254.9	11251.8	5672.2	2514.5	1344.6	892.0	722.6	643.2	614.1	603.5
13861.5	42.5°	13403.6	12053.8	5677.5	2310.7	1196.4	778.2	645.8	579.7	553.2	545.3
15192.9	45°	14557.7	12818.7	5685.4	2099.0	1040.2	690.8	590.2	534.7	518.8	508.2
16542.8	47.5°	15642.9	13469.8	5537.2	1871.3	886.7	624.7	545.3	508.2	495.0	481.7
17898.0	50°	16654.0	13903.9	5179.9	1606.6	764.9	571.7	510.8	484.4	471.1	457.9
19126.1	52.5°	17440.1	13972.7	4589.6	1334.0	680.2	532.0	489.7	465.8	450.0	436.7
20118.7	55°	17789.5	13541.3	3750.6	1079.9	614.1	497.6	468.5	444.7	426.1	412.9
20899.5	57.5°	17699.5	12633.4	2924.8	868.2	550.5	463.2	442.0	426.1	405.0	383.8
21532.1	60°	17257.5	11418.5	2204.8	722.6	492.3	426.1	412.9	399.7	370.6	338.8
21775.6	62.5°	16492.5	9891.3	1572.2	598.2	428.8	383.8	378.5	367.9	325.6	267.3
21415.7	65°	15322.6	8035.8	1058.7	497.6	367.9	336.1	338.8	320.3	264.7	198.5
20097.5	67.5°	13612.7	5876.0	677.6	407.6	307.0	280.6	283.2	272.6	225.0	169.4
17598.9	70°	11434.4	3890.9	442.0	309.7	246.2	217.0	232.9	235.6	190.6	137.6
13506.9	72.5°	8382.6	2297.5	309.7	230.3	180.0	150.9	190.6	195.9	153.5	103.2
8125.8	75°	4777.6	1090.5	232.9	166.8	111.2	105.9	148.2	148.2	105.9	68.8
3517.7	77.5°	2006.3	455.3	164.1	108.5	63.5	60.9	100.6	92.6	52.9	31.8
857.6	80°	579.7	203.8	87.3	52.9	26.5	23.8	39.7	29.1	13.2	5.3
325.6	82.5°	227.6	90.0	34.4	21.2	10.6	10.6	5.3	0.0	0.0	0.0
185.3	85°	135.0	37.1	15.9	7.9	2.6	0.0	0.0	0.0	0.0	0.0
39.7	87.5°	34.4	7.9	5.3	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>
4592.3
4560.5
4364.7
3806.2
3022.7
2358.3
1974.5
1707.2
1537.8
1416.1
1294.3
1169.9
1053.4
952.9
820.5
709.4
600.8
542.6
508.2
481.7
457.9
434.1
410.3
381.1
333.5
262.0
193.2
161.5
132.3
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63.5
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