

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: P953396

Luminaire Tested: **GALN-SB6D-950-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
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-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33066 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

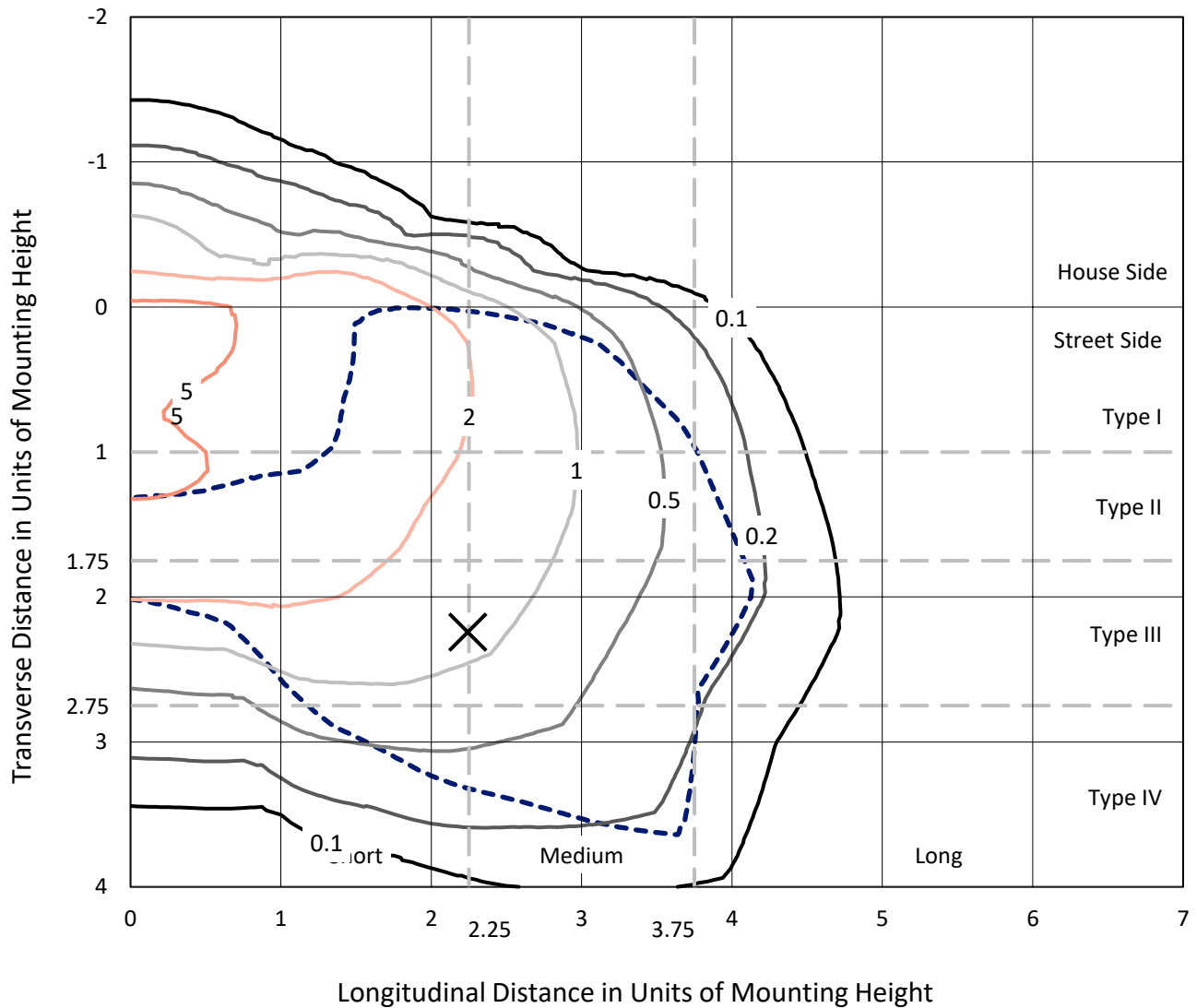
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

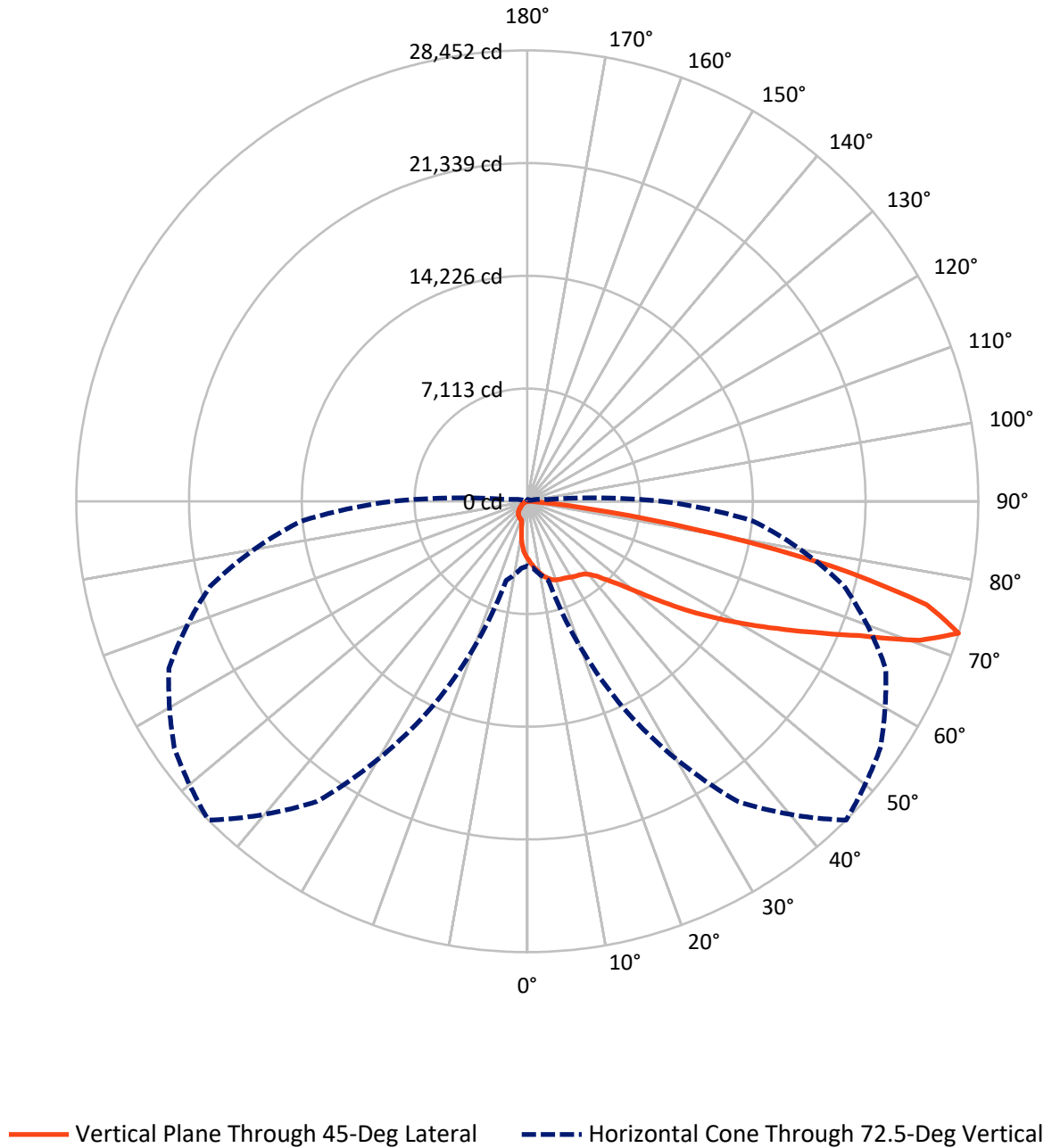
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3474.3	0.0	3474.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	29591.7	0.0	29591.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	33066.0	0.0	33066.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.3	1.0
10°-20°	997.5	3.0
20°-30°	1638.1	5.0
30°-40°	2323.1	7.0
40°-50°	3839.9	11.6
50°-60°	6898.0	20.9
60°-70°	9578.2	29.0
70°-80°	6947.7	21.0
80°-90°	502.3	1.5
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°	33066.0	100.0
0°-180°	33066.0	100.0

Coefficient of Utilization



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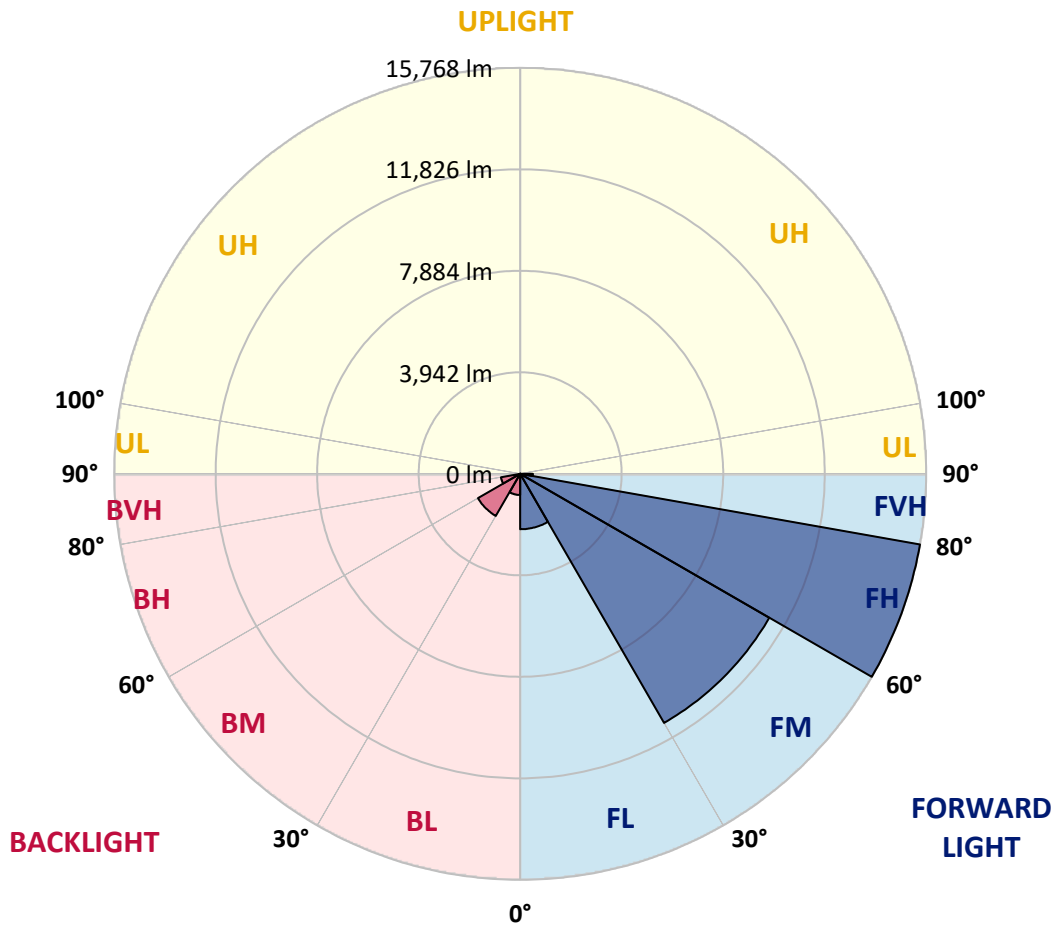
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2153.9	6.5			
FM (30°-60°)	11171.4	33.8			
FH (60°-80°)	15768.2	47.7			G5
FVH (80°-90°)	498.1	1.5			G3/500
BL (0°-30°)	822.9	2.5	B2/1000		
BM (30°-60°)	1889.5	5.7	B2/2500		
BH (60°-80°)	757.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5
2.5°	3956.5	3963.3	3958.7	3931.7	3886.5	3861.7	3848.1	3803.0	3773.7	3721.8
5°	4319.9	4346.9	4331.1	4277.0	4191.2	4130.3	4112.2	4019.7	3936.2	3839.1
7.5°	4705.8	4719.3	4690.0	4620.0	4504.9	4401.1	4385.3	4256.7	4123.5	3974.5
10°	5039.8	5055.6	5010.5	4908.9	4778.0	4649.4	4626.8	4484.6	4326.6	4143.8
12.5°	5319.7	5335.5	5276.8	5154.9	5010.5	4877.3	4854.8	4705.8	4532.0	4328.9
15°	5531.9	5561.2	5482.2	5351.3	5195.6	5062.4	5051.1	4904.4	4735.1	4509.4
17.5°	5656.0	5685.3	5610.8	5452.9	5319.7	5206.8	5193.3	5071.4	4913.4	4696.8
20°	5676.3	5703.4	5624.4	5486.7	5376.1	5285.8	5279.1	5191.1	5075.9	4868.3
22.5°	5615.4	5649.2	5577.0	5466.4	5389.7	5342.3	5333.2	5283.6	5218.1	5042.1
25°	5552.2	5579.3	5525.1	5428.0	5387.4	5382.9	5389.7	5380.6	5367.1	5218.1
27.5°	5547.7	5577.0	5516.1	5423.5	5400.9	5448.3	5455.1	5498.0	5509.3	5378.4
30°	5586.0	5606.3	5547.7	5450.6	5439.3	5547.7	5549.9	5626.6	5644.7	5513.8
32.5°	5669.5	5692.1	5633.4	5491.2	5475.4	5626.6	5633.4	5735.0	5764.3	5658.2
35°	5865.9	5893.0	5825.3	5604.1	5547.7	5701.1	5721.4	5841.1	5899.7	5811.7
37.5°	6355.7	6276.7	6184.1	5832.0	5712.4	5818.5	5852.3	5992.3	6096.1	5994.5
40°	7572.2	7323.9	7035.0	6220.2	6001.3	6069.0	6096.1	6236.0	6378.2	6278.9
42.5°	9398.1	9104.7	8639.7	7114.0	6436.9	6470.8	6491.1	6612.9	6813.8	6734.8
45°	11025.3	10919.3	10445.3	8639.7	7251.7	7084.7	7109.5	7172.7	7468.3	7439.0
47.5°	12275.7	12214.8	11849.1	10391.1	8628.4	7836.2	7906.2	7935.5	8362.1	8465.9
50°	13237.2	13214.6	12887.3	11948.4	10427.2	8944.4	8969.2	8906.0	9544.8	9802.1
52.5°	14144.5	14221.2	13979.7	13395.2	12347.9	10395.6	10391.1	10093.2	10955.4	11343.6
55°	14963.8	14990.9	15015.7	14871.2	14279.9	12047.8	12004.9	11517.4	12591.7	12993.4
57.5°	15733.4	15744.7	15965.9	16261.5	16290.9	13821.7	13742.7	13158.2	14379.2	14665.8
60°	16250.2	16302.2	16769.4	17590.9	17949.8	15652.1	15609.3	15013.4	16198.3	16331.5
62.5°	15505.4	15821.4	16999.6	18629.1	19516.1	17681.2	17660.9	17101.1	18112.3	18003.9
65°	12551.1	13086.0	15157.9	19331.0	21053.1	19947.2	19976.5	19380.7	20078.1	19726.0
67.5°	8779.6	9343.9	11795.0	19387.4	22770.7	22608.2	22777.4	21843.0	22165.8	21375.8
70°	6071.3	6362.4	7958.1	18173.2	24109.0	26273.5	26269.0	24867.4	24242.2	22127.4
72.5°	4082.9	4234.1	5168.5	14417.6	23125.0	28451.5	28320.6	27178.5	24941.9	20694.2
75°	1722.1	1832.7	2392.4	8102.6	18295.1	26029.7	25675.4	24018.8	22161.3	16295.4
77.5°	546.2	593.6	943.4	2900.2	10077.4	19565.7	19191.1	14999.9	14853.2	8174.8
80°	259.6	302.4	530.4	1164.6	3965.5	10641.7	10589.7	6804.8	6389.5	2207.3
82.5°	112.8	133.2	293.4	622.9	1774.0	3796.2	3873.0	2315.7	1916.2	837.3
85°	36.1	47.4	135.4	286.6	749.3	943.4	932.1	550.7	771.9	455.9
87.5°	0.0	0.0	45.1	65.5	76.7	54.2	60.9	47.4	214.4	126.4
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°
3622.5	0°	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5	3622.5
3667.6	2.5°	3640.5	3604.4	3541.2	3482.5	3430.6	3378.7	3347.1	3302.0	3297.4	3297.4
3726.3	5°	3665.3	3606.7	3493.8	3374.2	3236.5	3105.6	2974.7	2848.3	2807.7	2778.3
3821.1	7.5°	3737.6	3645.0	3466.7	3238.8	2977.0	2690.3	2489.4	2272.8	2189.3	2144.1
3947.5	10°	3841.4	3715.0	3444.1	3044.7	2620.4	2229.9	1943.3	1708.5	1618.3	1579.9
4085.1	12.5°	3956.5	3800.8	3403.5	2803.2	2229.9	1762.7	1482.8	1374.5	1361.0	1361.0
4249.9	15°	4094.2	3904.6	3333.6	2518.8	1821.4	1394.8	1295.5	1300.0	1313.6	1322.6
4410.1	17.5°	4236.3	4015.2	3223.0	2200.6	1460.3	1254.9	1257.1	1263.9	1275.2	1284.2
4583.9	20°	4389.8	4125.8	3076.3	1862.0	1252.6	1214.3	1221.0	1227.8	1236.8	1241.3
4746.4	22.5°	4554.6	4229.6	2902.5	1530.2	1182.7	1180.4	1182.7	1189.4	1200.7	1200.7
4936.0	25°	4730.6	4344.7	2703.9	1288.7	1146.5	1146.5	1151.1	1155.6	1164.6	1164.6
5118.8	27.5°	4911.2	4450.8	2494.0	1162.3	1114.9	1112.7	1112.7	1119.5	1124.0	1126.2
5299.4	30°	5109.8	4574.9	2284.1	1135.3	1090.1	1078.8	1072.1	1076.6	1081.1	1083.3
5489.0	32.5°	5312.9	4694.5	2096.7	1146.5	1065.3	1045.0	1022.4	1017.9	1017.9	1026.9
5685.3	35°	5538.6	4825.4	1952.3	1184.9	1051.8	995.3	959.2	938.9	941.2	954.7
5920.1	37.5°	5809.5	4983.4	1846.2	1218.8	1042.7	938.9	880.2	855.4	839.6	855.4
6242.8	40°	6163.8	5215.9	1769.5	1245.9	1031.4	873.5	794.5	753.8	724.5	733.5
6743.9	42.5°	6685.2	5581.5	1740.1	1248.1	1006.6	796.7	706.4	652.3	609.4	611.6
7497.7	45°	7416.4	6159.3	1891.3	1218.8	952.4	713.2	613.9	541.7	514.6	507.8
8623.9	47.5°	8418.5	7001.1	2241.2	1157.8	873.5	632.0	523.6	462.7	442.4	431.1
10102.2	50°	9761.4	8082.2	2629.4	1090.1	794.5	555.2	449.1	410.8	397.2	385.9
11855.9	52.5°	11318.7	9179.1	2947.6	1022.4	715.5	487.5	401.7	379.2	367.9	358.9
13548.6	55°	12747.4	9935.2	2929.6	950.2	638.7	433.3	367.9	354.3	340.8	331.8
15006.7	57.5°	13636.7	10041.3	2415.0	871.2	550.7	390.5	336.3	327.3	311.5	300.2
16268.3	60°	14045.2	9436.4	1692.7	767.4	462.7	349.8	302.4	297.9	277.6	261.8
17462.2	62.5°	14119.7	8312.5	1128.5	638.7	385.9	311.5	268.6	261.8	234.7	207.6
18432.7	65°	13817.2	6705.5	780.9	498.8	329.5	270.8	230.2	216.7	187.3	160.2
18663.0	67.5°	12860.3	4708.1	543.9	358.9	279.9	214.4	182.8	178.3	155.7	133.2
17489.3	70°	11106.6	2683.5	363.4	268.6	221.2	146.7	144.4	149.0	126.4	108.3
14288.9	72.5°	8515.6	1227.8	225.7	196.4	151.2	99.3	115.1	117.4	97.1	81.3
8915.1	75°	5012.7	525.9	142.2	126.4	76.7	65.5	83.5	85.8	65.5	51.9
3259.1	77.5°	1706.3	198.6	90.3	74.5	38.4	36.1	54.2	54.2	36.1	20.3
654.5	80°	388.2	74.5	45.1	29.3	18.1	15.8	18.1	15.8	9.0	2.3
200.9	82.5°	110.6	29.3	18.1	11.3	6.8	6.8	2.3	0.0	0.0	0.0
70.0	85°	31.6	13.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
24.8	87.5°	13.5	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>
3622.5
3308.7
2791.9
2150.9
1579.9
1361.0
1322.6
1284.2
1243.6
1205.2
1166.9
1128.5
1087.9
1033.7
961.5
850.9
729.0
602.6
498.8
424.3
383.7
356.6
327.3
297.9
257.3
194.1
151.2
126.4
99.3
72.2
45.1
15.8
0.0
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