

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: P948749

Luminaire Tested: **GALN-SB3C-950-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948749
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-SB3C-950-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA 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: 13235 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

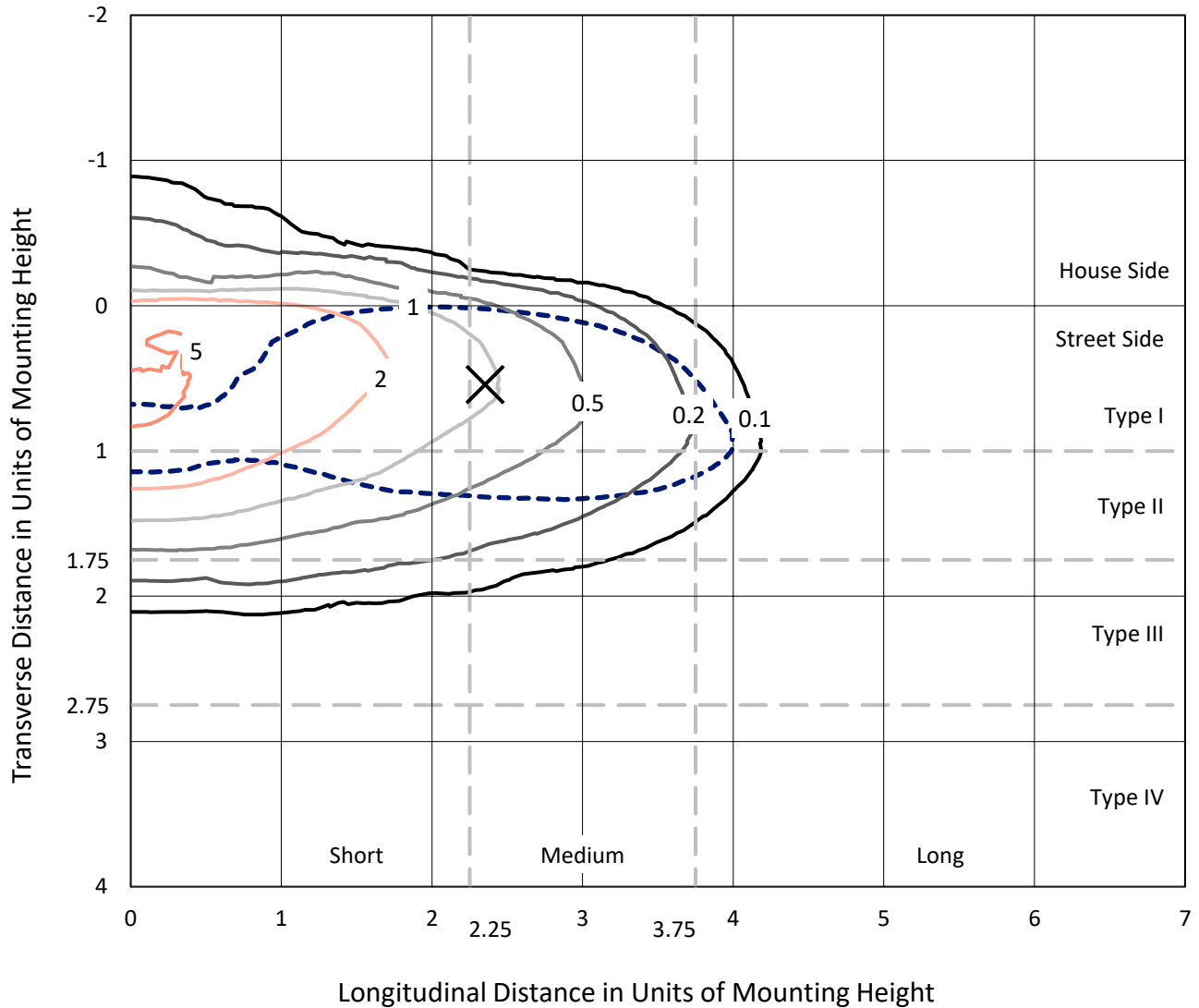
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

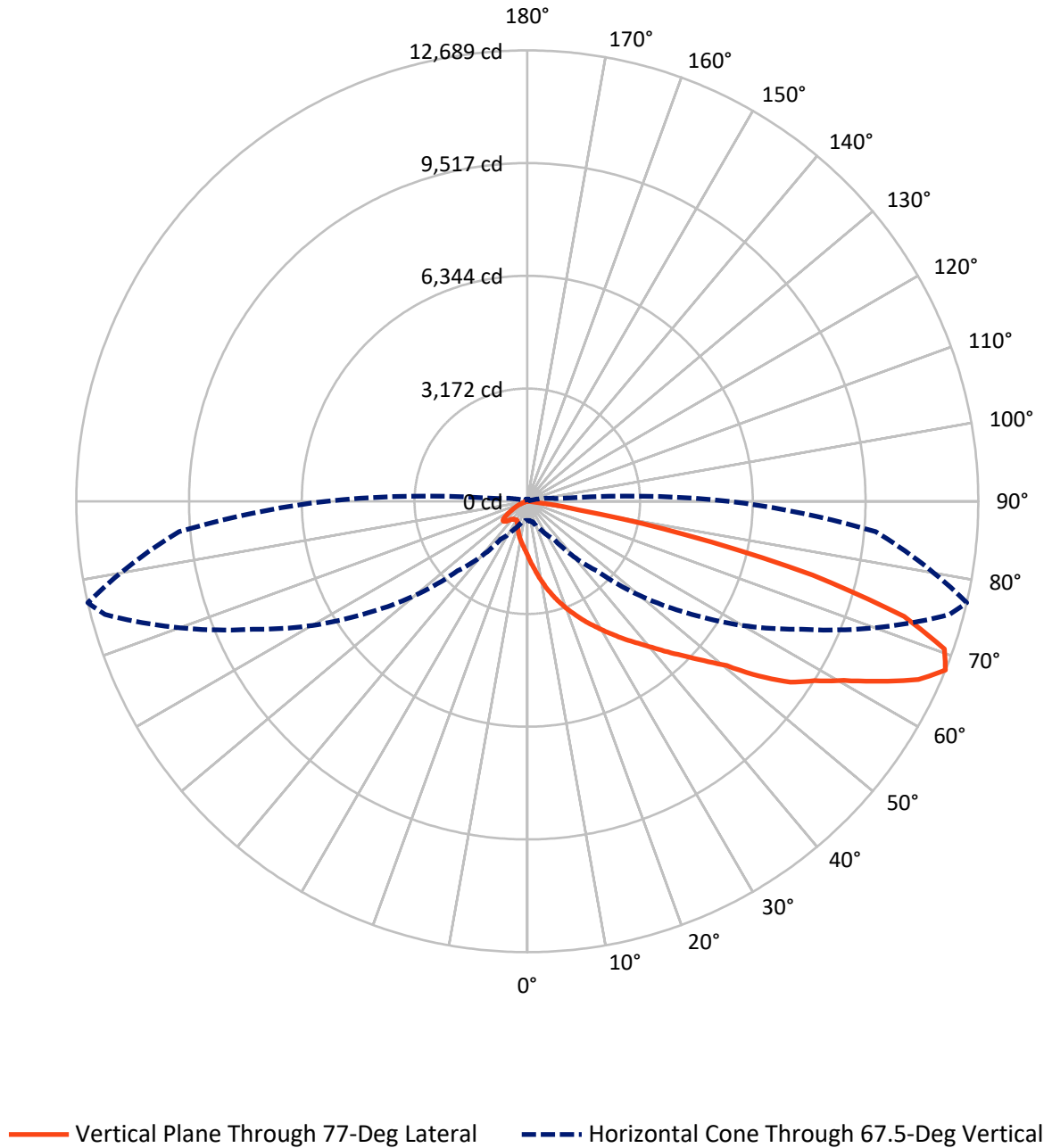
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P948749
CATALOG NUMBER: GALN-SB3C-950-U-T2R-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	973.7	0.0	973.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	12261.3	0.0	12261.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	13235.0	0.0	13235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	1.2
10°-20°	545.5	4.1
20°-30°	1052.7	8.0
30°-40°	1827.5	13.8
40°-50°	2653.4	20.0
50°-60°	3047.1	23.0
60°-70°	2645.4	20.0
70°-80°	1246.0	9.4
80°-90°	61.6	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°	13235.0	100.0
0°-180°	13235.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948749

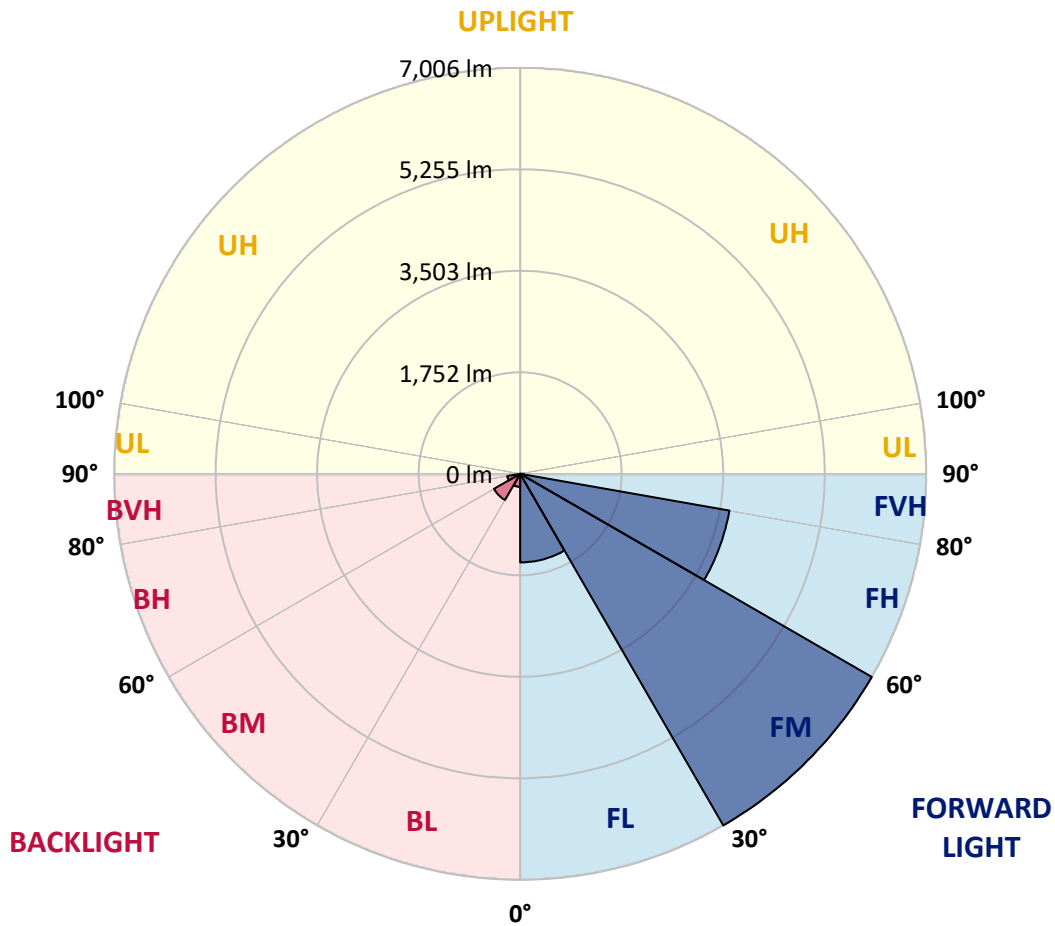
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1528.5	11.5			
FM (30°-60°)	7006.3	52.9			
FH (60°-80°)	3666.1	27.7			G2/5000
FVH (80°-90°)	60.5	0.5			G1/100
BL (0°-30°)	225.4	1.7	B1/500		
BM (30°-60°)	521.7	3.9	B1/1000		
BH (60°-80°)	225.4	1.7	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P948749
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
2.5°	2113.0	2126.1	2107.2	2071.1	2016.8	1981.5	1895.2	1813.8	1723.4	1694.7
5°	2575.7	2587.2	2565.8	2526.4	2454.1	2385.0	2271.6	2101.5	1924.8	1868.1
7.5°	2918.4	2925.0	2916.8	2880.6	2811.6	2733.5	2606.9	2405.6	2143.4	2080.9
10°	3165.0	3186.3	3183.9	3169.9	3123.9	3060.6	2925.8	2696.5	2388.3	2307.8
12.5°	3328.5	3352.4	3366.3	3397.6	3395.1	3354.8	3236.5	2994.0	2632.4	2537.9
15°	3376.2	3401.7	3455.1	3527.4	3591.5	3612.1	3529.1	3285.8	2901.2	2780.3
17.5°	3349.1	3388.5	3452.6	3566.9	3707.4	3800.3	3791.2	3567.7	3145.3	3007.2
20°	3409.1	3446.9	3497.0	3593.2	3756.7	3925.2	3992.6	3837.3	3387.7	3243.1
22.5°	3741.1	3734.5	3739.5	3755.1	3852.9	4019.7	4158.6	4082.2	3627.7	3479.7
25°	4267.1	4237.5	4187.4	4102.7	4078.1	4158.6	4303.2	4299.1	3880.8	3722.2
27.5°	4870.3	4865.4	4747.9	4544.1	4429.0	4397.8	4466.8	4510.4	4131.5	3962.2
30°	5448.1	5461.2	5302.6	5075.8	4864.6	4742.1	4679.7	4710.9	4386.3	4221.1
32.5°	5951.1	5965.0	5792.5	5527.0	5265.6	5117.7	4986.2	4909.0	4664.0	4484.1
35°	6376.0	6389.9	6191.9	5898.5	5619.9	5485.9	5337.1	5125.9	4943.5	4775.8
37.5°	6755.7	6751.6	6486.1	6190.2	5916.6	5810.5	5732.5	5393.0	5231.1	5069.2
40°	6980.0	6997.3	6770.5	6444.2	6178.7	6101.5	6096.5	5724.2	5563.2	5406.2
42.5°	7045.8	7076.2	6911.8	6643.9	6403.1	6319.3	6448.3	6082.6	5949.4	5796.6
45°	6927.4	6957.0	6882.2	6696.5	6556.0	6501.7	6750.7	6454.0	6362.0	6210.8
47.5°	6582.3	6619.2	6637.3	6597.9	6596.2	6651.3	7022.0	6845.3	6851.8	6697.3
50°	5914.1	5976.6	6142.6	6282.3	6498.4	6769.6	7285.8	7269.3	7404.1	7271.0
52.5°	4699.4	4788.1	5360.2	5742.3	6228.0	6747.5	7575.9	7949.8	8373.1	8178.3
55°	3776.4	3776.4	4241.6	4956.6	5700.4	6601.2	7702.5	8392.0	9033.0	8987.0
57.5°	3078.7	3115.7	3412.4	4044.4	4936.9	6252.7	7780.5	8669.8	9564.8	9531.1
60°	1900.1	1979.9	2540.4	3164.2	4068.2	5632.2	7731.2	8950.9	10209.9	10237.1
62.5°	1070.1	1099.6	1349.5	2276.5	3163.3	4798.0	7354.0	9107.8	11035.1	11150.1
65°	738.9	753.6	849.8	1416.9	2192.7	3820.0	6616.8	9010.0	11861.9	12094.5
67.5°	536.7	544.1	604.1	865.4	1301.0	2769.7	5461.2	8516.9	12299.9	12688.7
70°	412.6	417.5	461.1	568.7	768.4	1709.5	3966.3	7536.4	11982.7	12447.0
72.5°	335.3	340.2	373.9	420.8	509.6	1010.9	2403.9	6120.4	10582.2	11083.6
75°	282.7	289.3	319.7	350.1	399.4	649.3	1127.6	4262.2	7958.0	8286.8
77.5°	157.0	144.6	259.7	290.1	337.0	410.9	527.6	2508.3	4456.9	4548.2
80°	97.8	101.1	206.3	233.4	258.9	207.1	241.6	965.7	1545.1	1467.8
82.5°	5.8	13.1	158.6	168.5	177.5	88.8	91.2	327.9	372.3	341.9
85°	0.0	0.0	72.3	58.4	61.6	25.5	26.3	76.4	50.1	54.2
87.5°	0.0	0.0	0.0	1.6	0.0	2.5	4.9	6.6	2.5	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948749
 CATALOG NUMBER: GALN-SB3C-950-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1526.2	0°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
1604.3	2.5°	1546.7	1489.2	1372.5	1258.3	1165.4	1079.1	1017.5	959.1	929.5	927.9
1707.8	5°	1593.6	1472.8	1239.4	1033.1	867.1	733.9	647.6	586.0	554.8	544.1
1835.2	7.5°	1659.3	1477.7	1122.7	835.8	640.2	526.0	476.7	457.0	450.4	443.0
1979.0	10°	1742.3	1489.2	1018.3	673.1	504.6	447.1	427.4	419.1	414.2	409.3
2140.9	12.5°	1835.2	1499.9	914.7	558.9	443.8	414.2	400.2	390.4	383.8	378.1
2307.0	15°	1925.6	1506.5	807.1	479.1	412.6	388.7	373.9	363.3	354.2	347.6
2469.7	17.5°	2015.2	1515.5	706.0	431.5	387.1	363.3	348.5	335.3	327.9	320.5
2640.6	20°	2114.6	1513.9	610.6	397.8	361.6	337.8	322.2	309.8	302.4	294.2
2821.4	22.5°	2206.7	1505.6	526.8	369.0	335.3	312.3	295.0	282.7	275.3	268.7
3006.4	25°	2312.7	1499.1	457.0	342.7	310.7	287.7	268.7	257.2	249.0	243.3
3192.1	27.5°	2414.6	1489.2	406.0	318.9	286.8	264.6	246.6	233.4	226.0	221.9
3383.6	30°	2514.9	1486.7	387.1	295.9	265.5	243.3	225.2	212.9	207.1	205.5
3594.0	32.5°	2635.7	1493.3	395.3	287.7	245.7	223.5	206.3	197.2	191.5	191.5
3828.2	35°	2764.7	1491.7	407.6	295.0	232.6	203.8	190.7	184.9	179.2	179.2
4087.9	37.5°	2926.6	1494.1	417.5	307.4	227.7	187.4	180.0	172.6	169.3	169.3
4372.3	40°	3168.3	1575.5	412.6	318.1	226.0	175.9	161.1	158.6	156.2	156.2
4693.6	42.5°	3464.1	1752.2	419.1	318.9	225.2	167.7	147.9	152.9	147.1	146.3
5056.1	45°	3787.9	1945.3	461.1	301.6	224.4	163.5	141.4	147.1	138.1	138.1
5476.0	47.5°	4109.3	2136.8	503.8	277.0	221.9	162.7	135.6	132.3	129.9	130.7
6023.4	50°	4552.3	2293.0	520.2	243.3	216.1	161.1	124.9	125.7	124.1	125.7
6795.1	52.5°	5034.7	2325.9	500.5	205.5	199.7	156.2	117.5	120.8	120.0	121.6
7338.4	55°	5335.5	2290.5	413.4	170.9	174.2	136.4	110.1	116.7	116.7	116.7
7869.3	57.5°	5646.2	2140.1	293.4	138.9	144.6	111.8	103.6	112.6	111.8	111.0
8508.7	60°	5869.7	1896.8	193.1	114.2	115.1	92.0	96.2	106.0	105.2	101.1
9167.8	62.5°	6036.5	1628.1	124.1	97.0	87.9	83.0	87.9	96.2	92.9	83.8
9726.7	65°	6017.6	1255.8	95.3	83.0	72.3	72.3	76.4	83.8	74.0	59.2
9833.5	67.5°	5666.7	849.8	78.9	69.9	60.8	60.0	63.3	69.9	63.3	50.1
9286.2	70°	5039.6	555.6	63.3	54.2	48.5	44.4	51.0	60.0	53.4	40.3
7905.5	72.5°	4090.4	338.6	47.7	39.4	35.3	28.8	40.3	49.3	42.7	29.6
5497.4	75°	2646.4	172.6	32.9	25.5	18.9	17.3	29.6	37.0	29.6	18.1
2439.3	77.5°	1012.5	72.3	18.1	11.5	9.9	8.2	16.4	22.2	12.3	4.1
472.6	80°	194.8	30.4	9.0	5.8	4.9	3.3	2.5	1.6	0.0	0.0
83.8	82.5°	33.7	9.9	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
16.4	85°	11.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.8	87.5°	4.1	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>
1526.2
926.2
542.4
441.3
407.6
376.4
346.8
319.7
293.4
267.9
242.4
221.9
204.6
191.5
179.2
169.3
156.2
145.5
138.1
130.7
125.7
121.6
116.7
111.0
101.1
82.2
57.5
48.5
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