

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: STREETWORKS

Report Number: P953564

Luminaire Tested: **GLAN-SB7A-827-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953564
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: STREETWORKS
Catalog Number: GLAN-SB7A-827-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 350mA 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: 21368 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

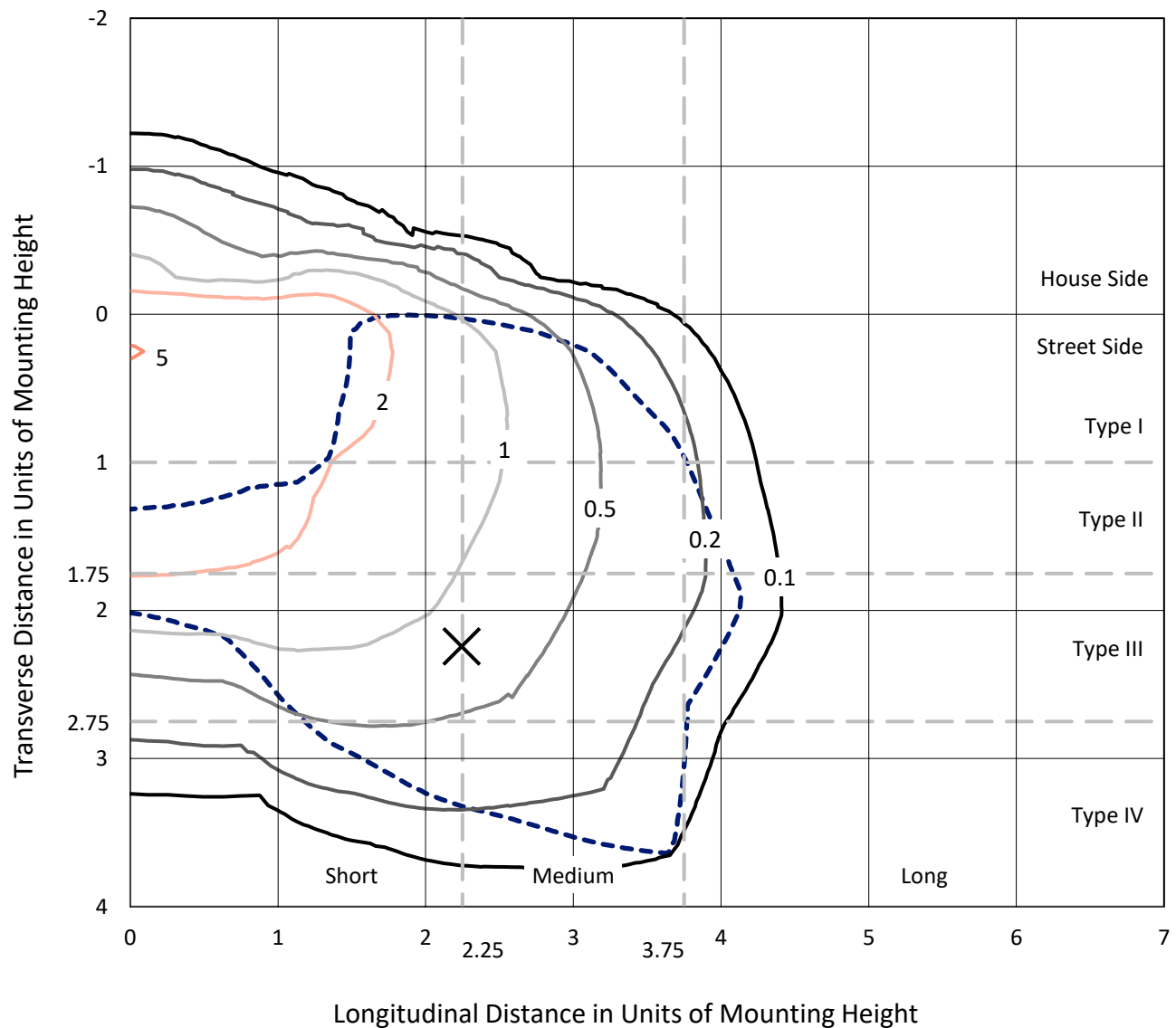
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953564
CATALOG NUMBER: GLAN-SB7A-827-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

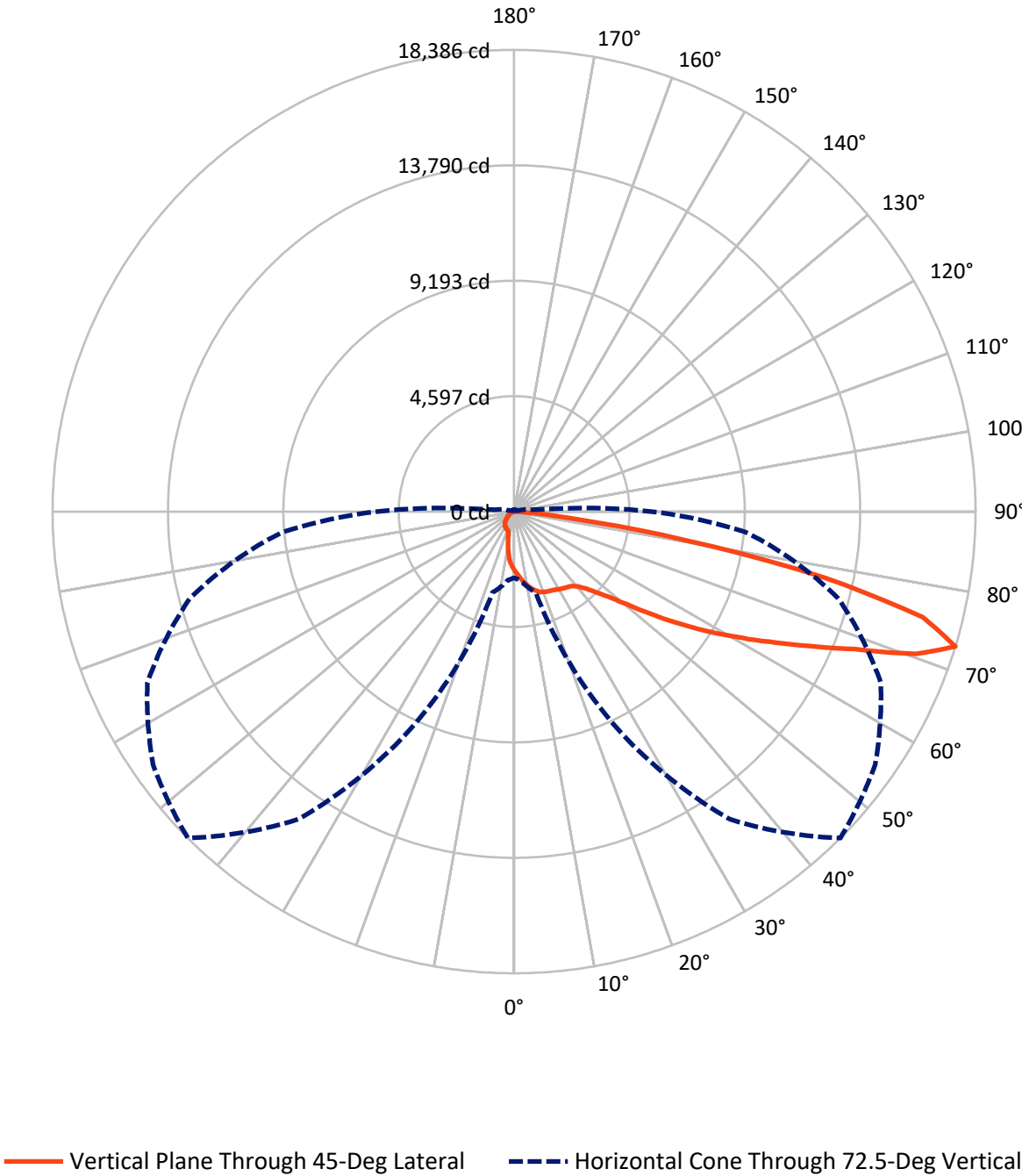
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type IV - Short - N/A

REPORT NUMBER: P953564
CATALOG NUMBER: GLAN-SB7A-827-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953564

CATALOG NUMBER: GLAN-SB7A-827-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2245.2	0.0	2245.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	19122.8	0.0	19122.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	21368.0	0.0	21368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	1.0
10°-20°	644.6	3.0
20°-30°	1058.5	5.0
30°-40°	1501.3	7.0
40°-50°	2481.4	11.6
50°-60°	4457.6	20.9
60°-70°	6189.6	29.0
70°-80°	4489.8	21.0
80°-90°	324.6	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°	21368.0	100.0
0°-180°	21368.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953564

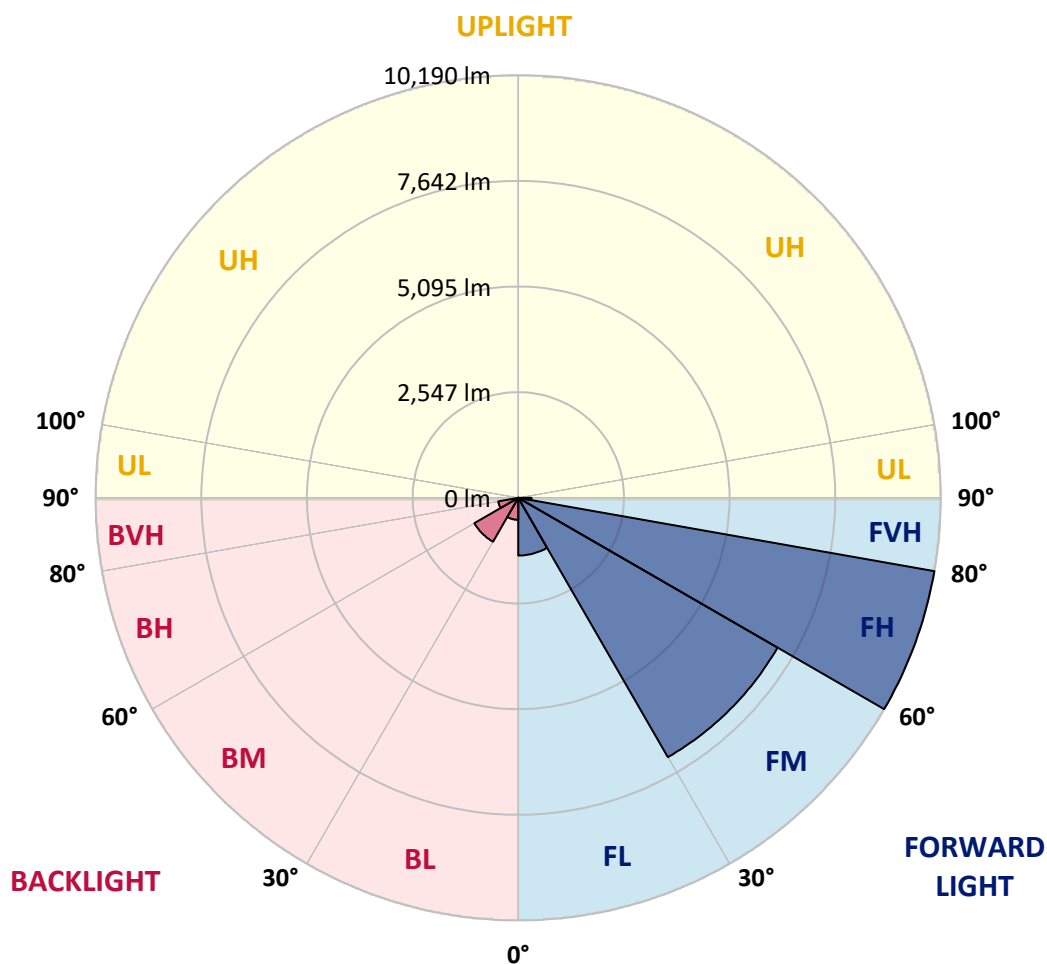
CATALOG NUMBER: GLAN-SB7A-827-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1391.9	6.5			
FM	(30°-60°)	7219.2	33.8			
FH	(60°-80°)	10189.8	47.7			G4/12000
FVH	(80°-90°)	321.9	1.5			G3/500
BL	(0°-30°)	531.8	2.5	B2/1000		
BM	(30°-60°)	1221.1	5.7	B2/2500		
BH	(60°-80°)	489.6	2.3	B1/500		G1/500
BVH	(80°-90°)	2.7	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-G4

Type IV Short



REPORT NUMBER: P953564

CATALOG NUMBER: GLAN-SB7A-827-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9
2.5°	2556.8	2561.1	2558.2	2540.7	2511.6	2495.5	2486.8	2457.6	2438.6	2405.1
5°	2791.6	2809.1	2798.9	2763.9	2708.5	2669.1	2657.4	2597.6	2543.6	2480.9
7.5°	3041.0	3049.7	3030.8	2985.6	2911.2	2844.1	2833.9	2750.8	2664.7	2568.4
10°	3256.9	3267.1	3237.9	3172.3	3087.7	3004.5	2989.9	2898.1	2796.0	2677.8
12.5°	3437.7	3447.9	3410.0	3331.2	3237.9	3151.8	3137.3	3041.0	2928.7	2797.4
15°	3574.8	3593.8	3542.7	3458.1	3357.5	3271.4	3264.1	3169.3	3060.0	2914.1
17.5°	3655.0	3674.0	3625.9	3523.8	3437.7	3364.8	3356.0	3277.3	3175.2	3035.2
20°	3668.2	3685.7	3634.6	3545.6	3474.2	3415.8	3411.5	3354.6	3280.2	3146.0
22.5°	3628.8	3650.7	3604.0	3532.5	3482.9	3452.3	3446.5	3414.4	3372.1	3258.3
25°	3587.9	3605.4	3570.4	3507.7	3481.5	3478.5	3482.9	3477.1	3468.3	3372.1
27.5°	3585.0	3604.0	3564.6	3504.8	3490.2	3520.8	3525.2	3552.9	3560.2	3475.6
30°	3609.8	3622.9	3585.0	3522.3	3515.0	3585.0	3586.5	3636.1	3647.7	3563.1
32.5°	3663.8	3678.4	3640.4	3548.6	3538.3	3636.1	3640.4	3706.1	3725.0	3656.5
35°	3790.7	3808.2	3764.4	3621.5	3585.0	3684.2	3697.3	3774.6	3812.5	3755.7
37.5°	4107.2	4056.1	3996.3	3768.8	3691.5	3760.0	3781.9	3872.3	3939.4	3873.8
40°	4893.3	4732.9	4546.2	4019.7	3878.2	3921.9	3939.4	4029.9	4121.8	4057.6
42.5°	6073.2	5883.6	5583.2	4597.2	4159.7	4181.6	4194.7	4273.4	4403.2	4352.2
45°	7124.8	7056.3	6750.0	5583.2	4686.2	4578.3	4594.3	4635.1	4826.2	4807.3
47.5°	7932.8	7893.5	7657.2	6715.0	5575.9	5063.9	5109.2	5128.1	5403.8	5470.9
50°	8554.2	8539.6	8328.1	7721.4	6738.3	5780.1	5796.1	5755.3	6168.0	6334.3
52.5°	9140.5	9190.1	9034.0	8656.3	7979.5	6717.9	6715.0	6522.5	7079.6	7330.5
55°	9669.9	9687.4	9703.5	9610.1	9228.0	7785.5	7757.8	7442.8	8137.0	8396.6
57.5°	10167.3	10174.6	10317.5	10508.6	10527.5	8931.9	8880.9	8503.1	9292.2	9477.4
60°	10501.3	10534.8	10836.7	11367.6	11599.5	10114.8	10087.1	9702.0	10467.7	10553.8
62.5°	10020.0	10224.2	10985.5	12038.5	12611.7	11426.0	11412.8	11051.1	11704.5	11634.5
65°	8110.8	8456.4	9795.4	12492.1	13605.0	12890.3	12909.3	12524.2	12974.9	12747.4
67.5°	5673.6	6038.2	7622.2	12528.6	14714.9	14609.9	14719.3	14115.5	14324.0	13813.6
70°	3923.4	4111.5	5142.7	11743.9	15579.8	16978.5	16975.6	16069.9	15665.9	14299.2
72.5°	2638.4	2736.2	3340.0	9317.0	14943.9	18386.0	18301.4	17563.4	16118.0	13373.1
75°	1112.8	1184.3	1546.0	5236.1	11822.7	16821.0	16592.0	15521.5	14321.1	10530.4
77.5°	353.0	383.6	609.7	1874.2	6512.3	12643.8	12401.7	9693.3	9598.5	5282.7
80°	167.7	195.4	342.8	752.6	2562.6	6876.9	6843.3	4397.4	4129.0	1426.4
82.5°	72.9	86.1	189.6	402.5	1146.4	2453.2	2502.8	1496.4	1238.3	541.1
85°	23.3	30.6	87.5	185.2	484.2	609.7	602.4	355.9	498.8	294.6
87.5°	0.0	0.0	29.2	42.3	49.6	35.0	39.4	30.6	138.6	81.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953564

CATALOG NUMBER: GLAN-SB7A-827-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2340.9	0°	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9
2370.1	2.5°	2352.6	2329.2	2288.4	2250.5	2216.9	2183.4	2163.0	2133.8	2130.9	2130.9
2408.0	5°	2368.6	2330.7	2257.8	2180.5	2091.5	2006.9	1922.3	1840.6	1814.4	1795.4
2469.3	7.5°	2415.3	2355.5	2240.3	2093.0	1923.8	1738.5	1608.7	1468.7	1414.8	1385.6
2550.9	10°	2482.4	2400.7	2225.7	1967.5	1693.3	1441.0	1255.8	1104.1	1045.8	1021.0
2639.9	12.5°	2556.8	2456.1	2199.4	1811.5	1441.0	1139.1	958.2	888.2	879.5	879.5
2746.4	15°	2645.7	2523.2	2154.2	1627.7	1177.0	901.4	837.2	840.1	848.9	854.7
2849.9	17.5°	2737.6	2594.7	2082.8	1422.0	943.7	810.9	812.4	816.8	824.1	829.9
2962.2	20°	2836.8	2666.2	1988.0	1203.3	809.5	784.7	789.1	793.4	799.3	802.2
3067.2	22.5°	2943.3	2733.2	1875.6	988.9	764.3	762.8	764.3	768.6	775.9	775.9
3189.8	25°	3057.0	2807.6	1747.3	832.8	740.9	740.9	743.8	746.8	752.6	752.6
3307.9	27.5°	3173.7	2876.2	1611.7	751.1	720.5	719.0	719.0	723.4	726.3	727.8
3424.6	30°	3302.1	2956.4	1476.0	733.6	704.5	697.2	692.8	695.7	698.6	700.1
3547.1	32.5°	3433.3	3033.7	1355.0	740.9	688.4	675.3	660.7	657.8	657.8	663.6
3674.0	35°	3579.2	3118.3	1261.6	765.7	679.7	643.2	619.9	606.7	608.2	617.0
3825.7	37.5°	3754.2	3220.4	1193.1	787.6	673.8	606.7	568.8	552.8	542.6	552.8
4034.2	40°	3983.2	3370.6	1143.5	805.1	666.5	564.4	513.4	487.1	468.2	474.0
4358.0	42.5°	4320.1	3606.9	1124.5	806.6	650.5	514.9	456.5	421.5	393.8	395.3
4845.2	45°	4792.7	3980.3	1222.2	787.6	615.5	460.9	396.7	350.0	332.5	328.2
5573.0	47.5°	5440.2	4524.3	1448.3	748.2	564.4	408.4	338.4	299.0	285.9	278.6
6528.3	50°	6308.1	5222.9	1699.2	704.5	513.4	358.8	290.2	265.4	256.7	249.4
7661.6	52.5°	7314.4	5931.8	1904.8	660.7	462.3	315.0	259.6	245.0	237.7	231.9
8755.4	55°	8237.7	6420.4	1893.1	614.0	412.8	280.0	237.7	229.0	220.2	214.4
9697.6	57.5°	8812.3	6488.9	1560.6	563.0	355.9	252.3	217.3	211.5	201.3	194.0
10512.9	60°	9076.3	6098.0	1093.9	495.9	299.0	226.1	195.4	192.5	179.4	169.2
11284.5	62.5°	9124.4	5371.7	729.3	412.8	249.4	201.3	173.6	169.2	151.7	134.2
11911.7	65°	8929.0	4333.2	504.6	322.3	212.9	175.0	148.8	140.0	121.1	103.6
12060.4	67.5°	8310.6	3042.5	351.5	231.9	180.9	138.6	118.1	115.2	100.6	86.1
11302.0	70°	7177.3	1734.2	234.8	173.6	142.9	94.8	93.3	96.3	81.7	70.0
9233.8	72.5°	5503.0	793.4	145.9	126.9	97.7	64.2	74.4	75.8	62.7	52.5
5761.1	75°	3239.4	339.8	91.9	81.7	49.6	42.3	54.0	55.4	42.3	33.5
2106.1	77.5°	1102.6	128.3	58.3	48.1	24.8	23.3	35.0	35.0	23.3	13.1
423.0	80°	250.9	48.1	29.2	19.0	11.7	10.2	11.7	10.2	5.8	1.5
129.8	82.5°	71.5	19.0	11.7	7.3	4.4	4.4	1.5	0.0	0.0	0.0
45.2	85°	20.4	8.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
16.0	87.5°	8.8	1.5	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

180°
2340.9
2138.2
1804.2
1390.0
1021.0
879.5
854.7
829.9
803.6
778.8
754.1
729.3
703.0
668.0
621.3
549.9
471.1
389.4
322.3
274.2
247.9
230.4
211.5
192.5
166.3
125.4
97.7
81.7
64.2
46.7
29.2
10.2
0.0
0.0
0.0
0.0
0.0