

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: P952860

Luminaire Tested: **GLAN-SB6C-830-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-830-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39882 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

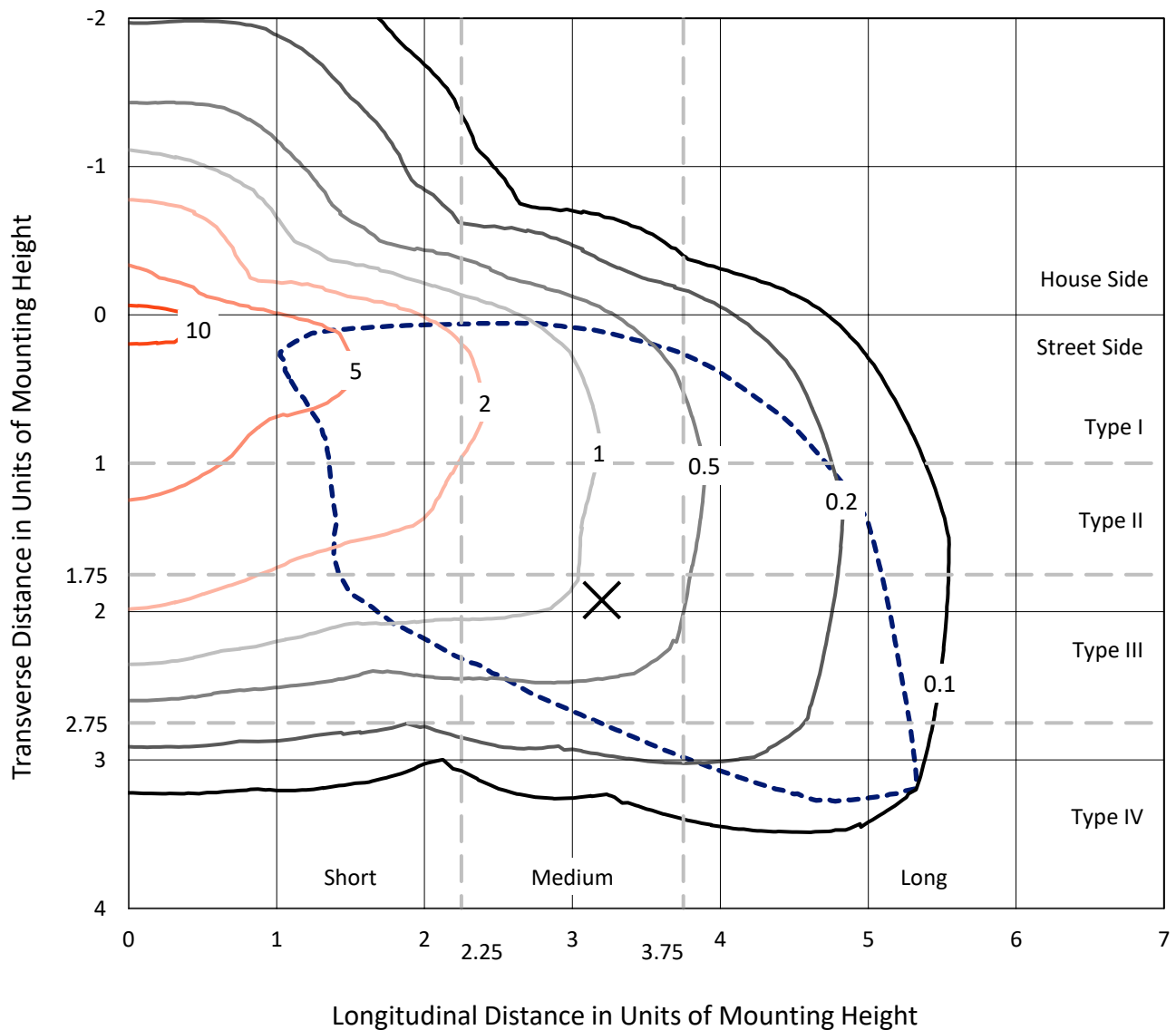
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952860
CATALOG NUMBER: GLAN-SB6C-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

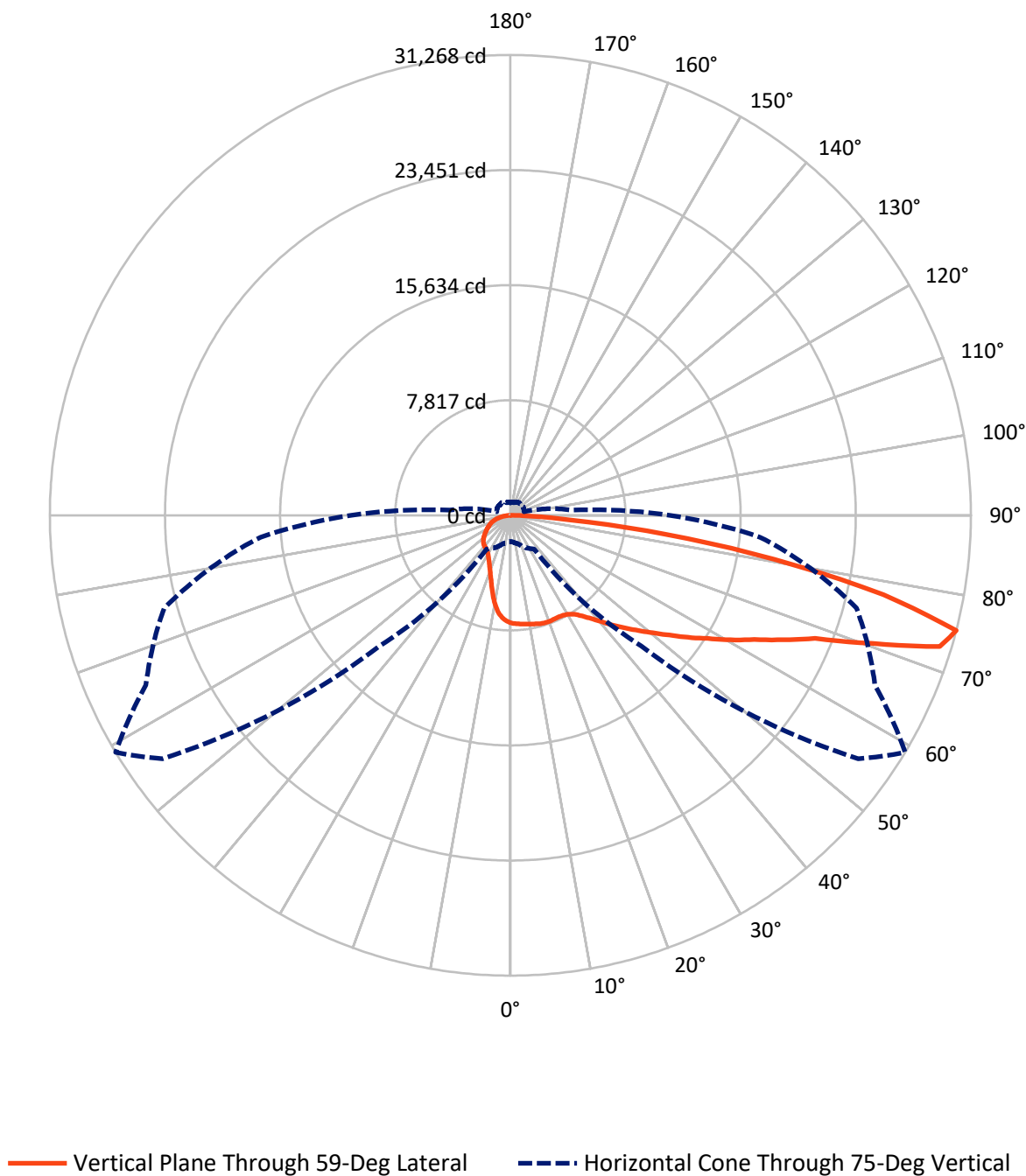
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
Type IV - Medium - N/A

REPORT NUMBER: P952860
CATALOG NUMBER: GLAN-SB6C-830-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P952860

CATALOG NUMBER: GLAN-SB6C-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7480.1	0.0	7480.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	32401.9	0.0	32401.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	39882.0	0.0	39882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.4	1.6
10°-20°	1677.7	4.2
20°-30°	2548.4	6.4
30°-40°	3788.1	9.5
40°-50°	5633.5	14.1
50°-60°	7646.8	19.2
60°-70°	9335.5	23.4
70°-80°	7326.4	18.4
80°-90°	1269.1	3.2
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°	39882.0	100.0
0°-180°	39882.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952860

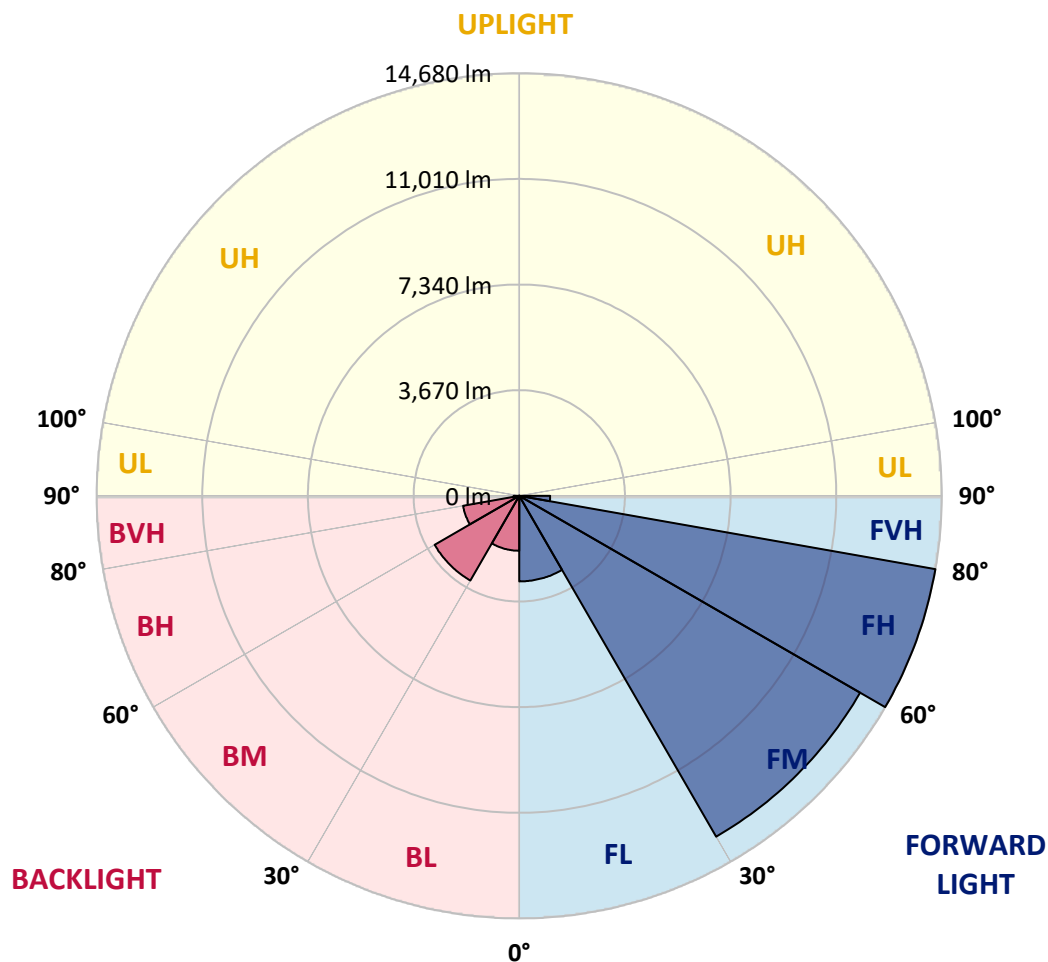
CATALOG NUMBER: GLAN-SB6C-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2973.6	7.5			
FM	(30°-60°)	13673.2	34.3			
FH	(60°-80°)	14680.2	36.8			G5
FVH	(80°-90°)	1074.8	2.7			G5
BL	(0°-30°)	1908.9	4.8	B3/2500		
BM	(30°-60°)	3395.2	8.5	B3/5000		
BH	(60°-80°)	1981.8	5.0	B3/2500		G3/2500
BVH	(80°-90°)	194.3	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



REPORT NUMBER: P952860

CATALOG NUMBER: GLAN-SB6C-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3
2.5°	7382.5	7356.7	7382.5	7371.7	7367.5	7358.9	7361.0	7376.0	7367.5	7378.2
5°	7333.1	7318.1	7343.9	7337.4	7365.3	7369.6	7397.5	7414.7	7425.4	7427.5
7.5°	7251.6	7236.6	7273.1	7303.1	7363.2	7380.3	7438.3	7466.1	7481.2	7506.9
10°	6953.4	6946.9	7037.1	7150.8	7292.4	7380.3	7468.3	7515.5	7539.1	7607.7
12.5°	6425.6	6434.2	6552.2	6771.0	7054.2	7337.4	7502.6	7571.3	7607.7	7693.6
15°	5921.4	5919.3	6048.0	6281.9	6678.8	7148.6	7519.8	7637.8	7700.0	7826.6
17.5°	5629.6	5621.1	5711.2	5889.2	6258.3	6859.0	7476.9	7674.3	7807.3	7966.0
20°	5576.0	5558.8	5606.0	5694.0	5955.8	6541.5	7365.3	7674.3	7893.1	8099.0
22.5°	5771.2	5743.4	5724.0	5713.3	5829.2	6279.7	7238.7	7648.5	8019.7	8290.0
25°	6163.9	6120.9	6022.3	5925.7	5891.4	6161.7	7127.2	7642.1	8208.5	8547.4
27.5°	6798.9	6745.3	6545.7	6314.0	6105.9	6221.8	7077.8	7680.7	8416.6	8819.9
30°	7586.3	7528.4	7277.3	6921.2	6547.9	6444.9	7140.0	7794.4	8682.6	9182.5
32.5°	8292.1	8227.8	8013.2	7650.7	7146.5	6831.1	7337.4	8011.1	9101.0	9686.7
35°	8918.6	8843.5	8650.4	8315.7	7880.2	7373.9	7693.6	8395.1	9695.3	10506.2
37.5°	9532.2	9444.2	9234.0	8880.0	8575.3	8096.9	8184.9	8888.6	10484.8	11501.7
40°	10218.7	10092.2	9836.9	9487.1	9191.1	8944.4	8830.6	9493.6	11287.2	12613.1
42.5°	10883.8	10763.7	10459.0	10160.8	9789.7	9718.9	9579.4	10201.6	12164.7	13833.8
45°	11600.4	11456.7	11087.7	10710.1	10476.2	10233.8	10304.6	10909.6	13025.0	15078.2
47.5°	12271.9	12111.0	11675.5	11255.0	11126.3	10667.1	10969.7	11688.4	13919.6	16339.7
50°	12634.5	12475.8	12113.2	11733.4	11632.6	11201.4	11690.5	12544.4	14857.2	17596.9
52.5°	12937.0	12765.4	12291.2	12081.0	12051.0	11782.8	12578.7	13522.7	15794.8	18708.3
55°	13258.8	13067.9	12462.9	12274.1	12411.4	12435.0	13632.1	14631.9	16785.9	19791.7
57.5°	13630.0	13387.6	12628.1	12437.1	12763.2	13198.8	14842.2	15781.9	17760.0	20795.8
60°	13979.7	13735.1	12945.6	12696.7	13143.0	14084.8	16230.3	17174.3	18862.7	21690.4
62.5°	14048.4	13846.7	13198.8	13196.6	13657.9	15118.9	17873.7	18579.5	19826.0	22574.4
65°	12859.8	12733.2	12349.2	13177.3	14395.9	16607.9	19703.8	20377.4	21051.1	23346.7
67.5°	9787.5	9804.7	9776.8	11375.1	13799.5	18746.9	22353.4	22301.9	22563.6	24213.5
70°	4475.4	4576.2	5232.7	7852.3	11055.5	18993.6	26734.4	26067.1	24462.3	25335.5
72.5°	2417.9	2495.2	2763.3	3803.9	6646.6	16886.8	30008.3	30482.5	26987.5	26090.7
75°	1774.3	1817.2	2003.8	2417.9	2791.2	12550.8	28834.8	31267.7	27302.9	24329.3
77.5°	1328.0	1347.3	1499.7	1915.9	1428.9	6616.5	23039.9	25895.5	23372.5	19989.1
80°	963.3	984.8	1098.5	1437.4	1001.9	2420.1	15820.5	18176.2	16007.2	12741.8
82.5°	665.1	673.7	723.0	978.3	699.4	939.7	8976.5	10658.6	8935.8	4471.1
85°	401.2	411.9	433.4	570.7	396.9	446.3	3874.7	4007.7	2671.1	1068.4
87.5°	165.2	175.9	193.1	240.3	156.6	124.4	639.3	802.4	499.9	313.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952860

CATALOG NUMBER: GLAN-SB6C-830-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7320.3	0°	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3	7320.3
7341.7	2.5°	7331.0	7316.0	7275.2	7219.4	7167.9	7103.6	7075.7	7052.1	7030.6	6989.9
7399.6	5°	7376.0	7335.3	7225.9	7084.3	6923.3	6747.4	6575.8	6457.8	6356.9	6281.9
7466.1	7.5°	7444.7	7367.5	7167.9	6878.3	6509.3	6131.7	5790.6	5548.1	5365.8	5299.2
7560.5	10°	7515.5	7423.2	7075.7	6565.1	5927.9	5346.4	4893.8	4644.9	4499.0	4451.8
7672.1	12.5°	7599.2	7464.0	6931.9	6129.5	5277.8	4640.6	4245.8	4099.9	4024.9	3999.1
7809.4	15°	7721.5	7498.3	6715.2	5584.6	4657.8	4125.7	3870.4	3769.5	3730.9	3728.8
7951.0	17.5°	7813.7	7504.8	6378.4	5001.0	4181.5	3814.6	3604.3	3565.7	3591.5	3630.1
8090.5	20°	7916.7	7446.8	5936.4	4469.0	3846.8	3542.1	3454.2	3479.9	3542.1	3597.9
8275.0	22.5°	7989.6	7341.7	5402.2	4054.9	3557.1	3385.5	3381.2	3434.9	3469.2	3497.1
8491.7	25°	8054.0	7163.6	4835.8	3707.3	3319.0	3291.1	3338.3	3321.1	3297.5	3321.1
8708.4	27.5°	8101.2	6882.6	4329.5	3402.7	3151.7	3226.7	3198.9	3160.2	3158.1	3171.0
8963.7	30°	8086.2	6507.1	3913.3	3113.0	3033.7	3106.6	3040.1	3033.7	3027.2	3033.7
9347.7	32.5°	8086.2	6080.2	3593.6	2913.5	2958.6	2930.7	2924.2	2909.2	2883.5	2881.3
9869.0	35°	8131.2	5653.2	3319.0	2806.2	2896.3	2829.8	2834.1	2797.7	2744.0	2718.3
10559.9	37.5°	8223.5	5310.0	3046.5	2754.7	2786.9	2784.8	2767.6	2705.4	2611.0	2529.5
11422.3	40°	8446.6	5209.1	2859.9	2731.1	2735.4	2761.2	2716.1	2596.0	2381.4	2248.4
12297.7	42.5°	8796.3	5378.6	2819.1	2673.2	2701.1	2726.9	2638.9	2360.0	2207.7	2128.3
13215.9	45°	9240.4	5674.7	2907.1	2589.5	2619.6	2664.6	2402.9	2269.9	2201.2	2203.4
14125.6	47.5°	9802.5	5985.8	3070.1	2516.6	2501.6	2527.3	2246.3	2164.8	2070.4	2094.0
14998.8	50°	10452.6	6301.2	3224.6	2417.9	2370.7	2287.0	2145.4	2068.2	1948.1	1892.3
15842.0	52.5°	11156.3	6605.8	3286.8	2297.8	2229.1	2132.6	2076.8	1982.4	1836.5	1744.2
16637.9	55°	11823.5	6882.6	3218.2	2154.0	2087.5	2012.4	2003.8	1945.9	1789.3	1660.6
17345.9	57.5°	12454.3	7114.3	3046.5	2008.1	1943.8	1898.7	1956.6	1928.8	1731.4	1566.2
18015.3	60°	12988.5	7273.1	2797.7	1860.1	1815.0	1791.4	1879.4	1870.8	1649.8	1465.3
18616.0	62.5°	13413.3	7335.3	2523.0	1718.5	1707.8	1664.9	1772.1	1772.1	1546.9	1366.6
19143.8	65°	13745.9	7275.2	2244.1	1579.0	1600.5	1536.1	1641.3	1628.4	1437.4	1278.7
19751.0	67.5°	14039.8	7077.8	1935.2	1441.7	1491.1	1409.6	1504.0	1473.9	1317.3	1190.7
20276.6	70°	14170.7	6618.7	1583.3	1304.4	1364.5	1285.1	1366.6	1310.9	1182.1	1096.3
19699.5	72.5°	13119.4	5500.9	1246.5	1160.7	1212.2	1147.8	1218.6	1154.2	1036.2	997.6
17011.2	75°	10853.8	4127.8	959.0	1004.1	1042.7	993.3	1040.5	993.3	886.1	914.0
12565.9	77.5°	7882.4	2786.9	733.7	838.9	856.0	830.3	871.0	817.4	720.9	714.4
6262.5	80°	3919.7	1632.7	575.0	662.9	656.5	639.3	686.5	660.8	579.3	613.6
1690.6	82.5°	1134.9	699.4	418.4	465.6	452.7	457.0	491.3	504.2	755.2	748.8
525.6	85°	356.1	274.6	251.0	259.6	246.7	253.2	289.6	575.0	532.1	311.1
163.1	87.5°	92.3	94.4	62.2	66.5	68.7	81.5	92.3	349.7	167.3	109.4
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°
7320.3
6970.5
6219.6
5183.4
4378.8
4005.5
3737.4
3645.1
3617.2
3512.1
3336.2
3192.4
3057.3
2909.2
2744.0
2557.4
2265.6
2128.3
2214.1
2154.0
1907.3
1742.1
1660.6
1557.6
1458.9
1360.2
1270.1
1182.1
1079.2
965.4
834.6
682.3
607.2
765.9
336.8
115.9
0.0