

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: P953563

Luminaire Tested: **GLAN-SB7A-827-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-827-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28478 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - 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

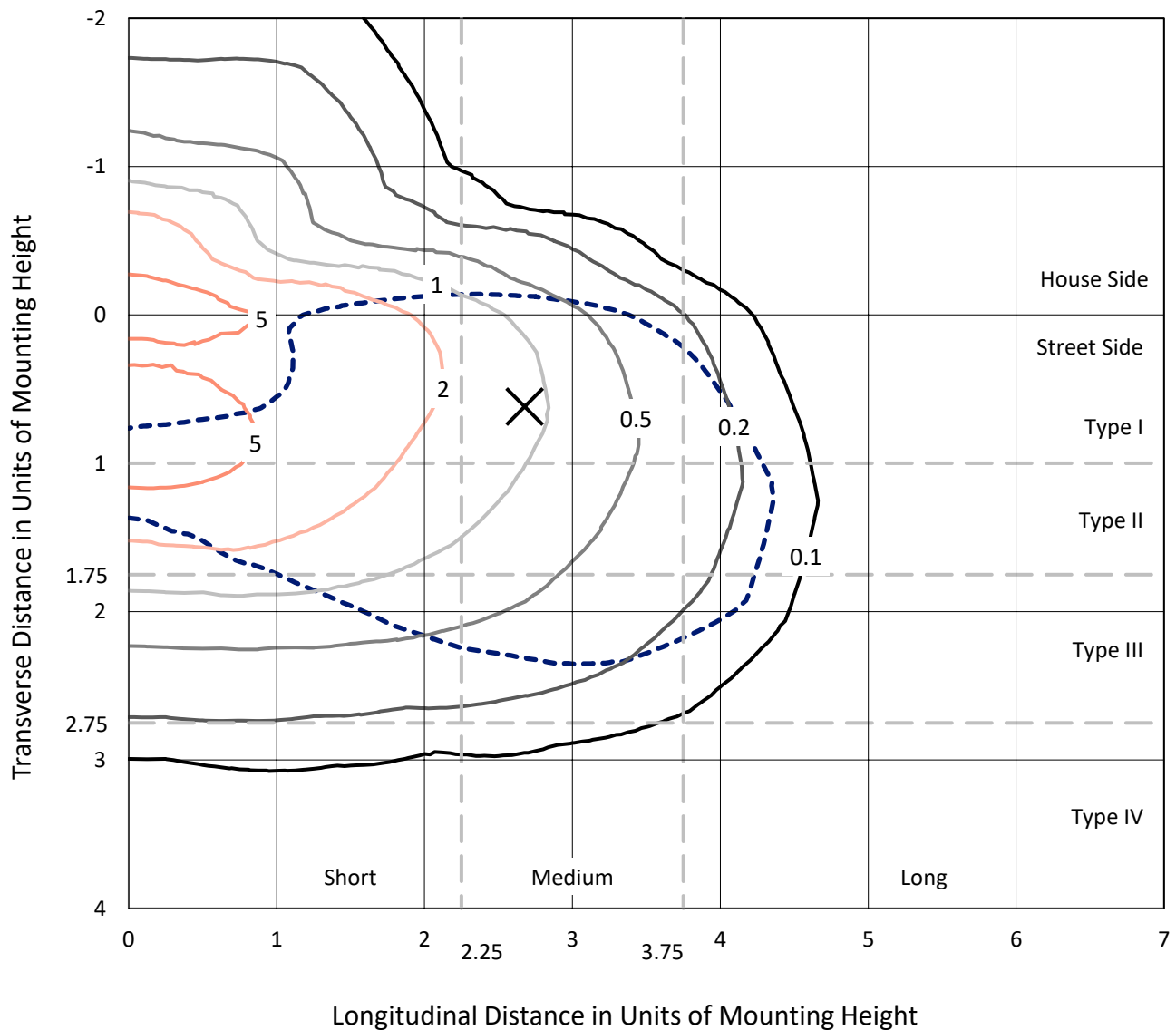


REPORT NUMBER: P953563

CATALOG NUMBER: GLAN-SB7A-827-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

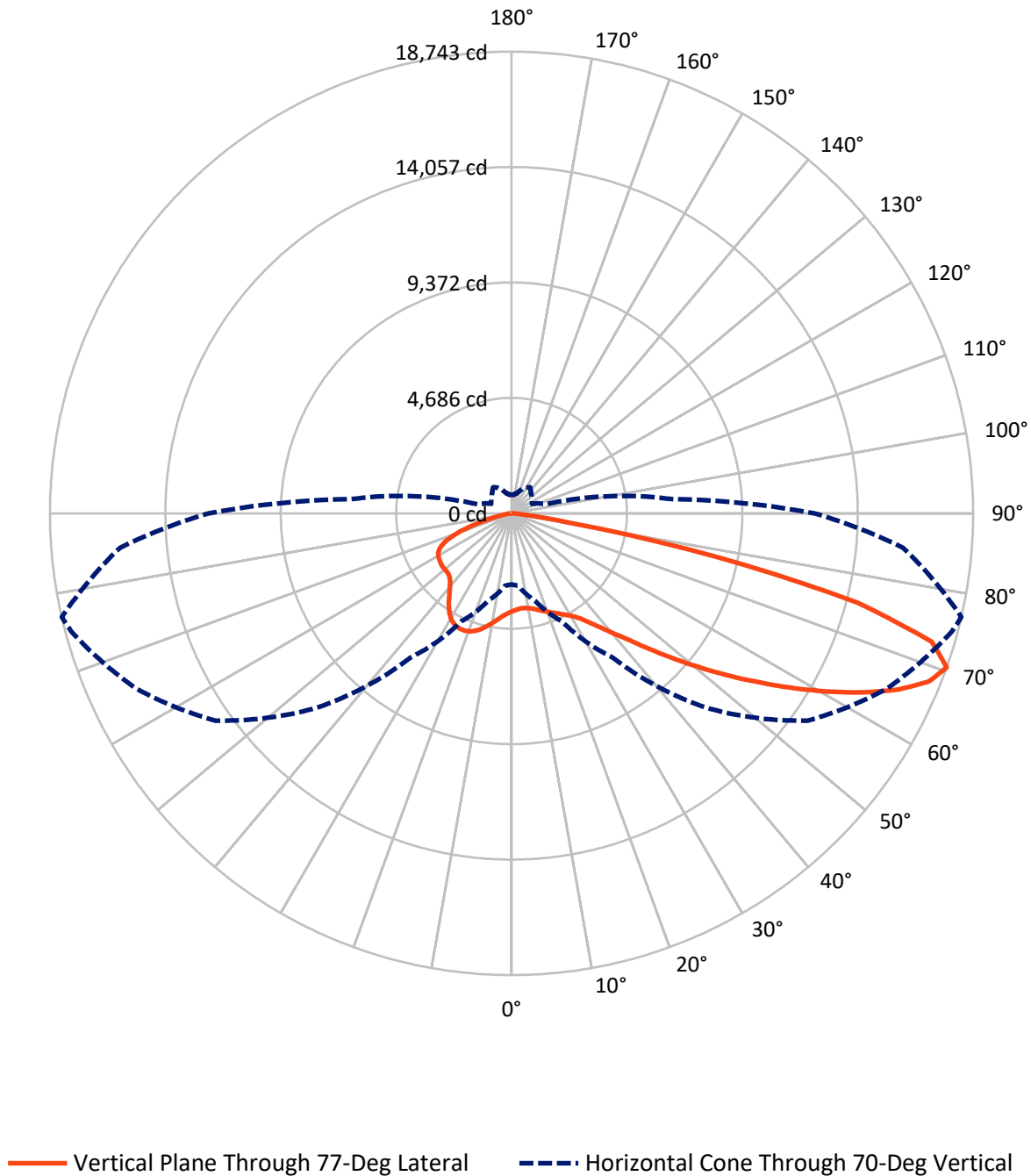
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type III - Medium - N/A

REPORT NUMBER: P953563
CATALOG NUMBER: GLAN-SB7A-827-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P953563

CATALOG NUMBER: GLAN-SB7A-827-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6236.2	0.0	6236.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	22241.8	0.0	22241.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	28478.0	0.0	28478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.9	1.3
10°-20°	1093.6	3.8
20°-30°	1870.2	6.6
30°-40°	3007.4	10.6
40°-50°	4695.4	16.5
50°-60°	6271.9	22.0
60°-70°	6684.9	23.5
70°-80°	4115.2	14.5
80°-90°	360.6	1.3
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°	28478.0	100.0
0°-180°	28478.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953563

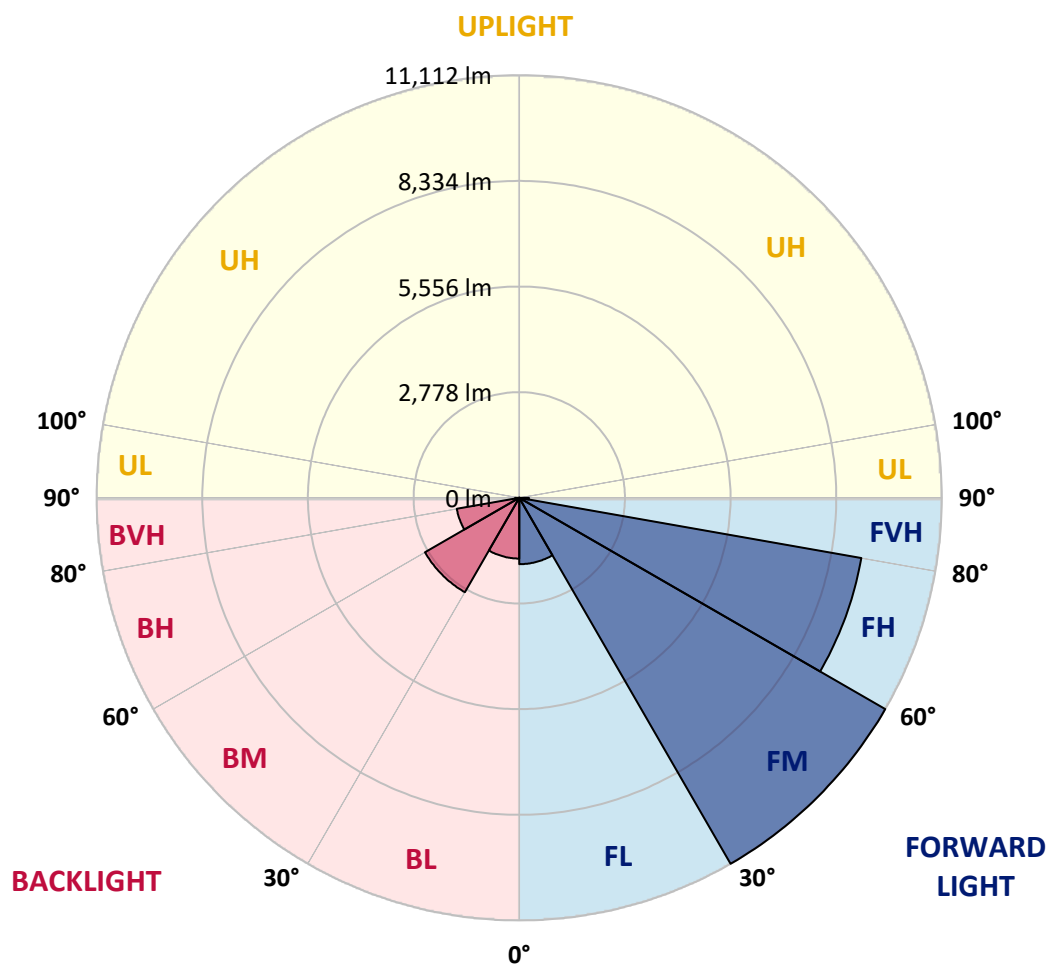
CATALOG NUMBER: GLAN-SB7A-827-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1744.7	6.1			
FM	(30°-60°)	11111.5	39.0			
FH	(60°-80°)	9133.4	32.1			G4/12000
FVH	(80°-90°)	252.2	0.9			G3/500
BL	(0°-30°)	1597.9	5.6	B3/2500		
BM	(30°-60°)	2863.2	10.1	B3/5000		
BH	(60°-80°)	1666.7	5.9	B3/2500		G3/2500
BVH	(80°-90°)	108.4	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



REPORT NUMBER: P953563

CATALOG NUMBER: GLAN-SB7A-827-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9
2.5°	3662.3	3660.8	3679.8	3685.6	3720.6	3745.4	3792.1	3841.7	3905.9	3913.1
5°	3450.8	3450.8	3472.7	3496.0	3541.2	3590.8	3662.3	3748.3	3859.2	3876.7
7.5°	3271.4	3283.1	3302.0	3347.2	3399.8	3471.2	3580.6	3703.1	3849.0	3876.7
10°	3127.0	3140.1	3163.5	3199.9	3278.7	3377.9	3520.8	3678.3	3873.8	3917.5
12.5°	3081.8	3094.9	3108.1	3135.8	3208.7	3325.4	3496.0	3690.0	3933.6	3977.3
15°	3186.8	3202.9	3192.6	3185.4	3223.3	3329.7	3507.7	3732.3	4007.9	4070.7
17.5°	3428.9	3434.8	3411.4	3342.9	3337.0	3393.9	3563.1	3790.6	4101.3	4169.8
20°	3819.8	3809.6	3761.5	3625.8	3548.5	3536.9	3657.9	3878.1	4197.5	4270.5
22.5°	4350.7	4339.0	4242.8	4028.4	3856.3	3742.5	3795.0	3991.9	4305.5	4387.2
25°	5012.8	4996.8	4855.3	4563.6	4296.7	4015.2	3981.7	4142.1	4438.2	4514.0
27.5°	5785.9	5772.7	5619.6	5234.5	4849.5	4388.6	4213.6	4318.6	4576.8	4662.8
30°	6617.2	6655.1	6383.8	5969.6	5482.5	4875.7	4525.7	4535.9	4756.2	4833.5
32.5°	7594.4	7660.0	7333.3	6808.3	6143.2	5405.2	4919.5	4839.3	5017.2	5081.4
35°	8562.8	8637.2	8365.9	7785.4	7019.7	6029.4	5330.8	5187.9	5364.3	5434.4
37.5°	9400.0	9499.2	9359.2	8854.5	7957.5	6782.0	5867.5	5597.7	5791.7	5879.2
40°	10060.7	10212.4	10202.2	9887.1	9063.1	7695.0	6548.6	6103.8	6322.6	6417.4
42.5°	10597.4	10728.7	10842.5	10826.4	10216.8	8732.0	7349.4	6761.6	6927.9	7037.2
45°	10967.9	11107.9	11352.9	11616.9	11326.7	9841.9	8266.8	7541.9	7693.6	7858.4
47.5°	11299.0	11457.9	11775.9	12194.5	12268.9	10956.2	9271.7	8450.5	8589.1	8759.7
50°	11328.1	11465.2	11958.2	12551.8	12938.3	12026.8	10350.9	9470.0	9599.8	9782.1
52.5°	10623.7	10839.5	11700.0	12541.6	13246.1	12922.3	11422.9	10530.3	10676.2	10895.0
55°	8246.3	8562.8	10943.1	12150.7	13136.7	13501.3	12442.4	11657.8	11844.4	12073.4
57.5°	7102.9	7241.4	8686.8	11439.0	12637.9	13651.5	13302.9	12796.8	13097.3	13348.1
60°	6383.8	6499.1	7353.7	10332.0	11981.5	13413.8	13968.0	13858.6	14377.8	14676.8
62.5°	5613.7	5723.1	6500.5	8627.0	11141.4	13018.5	14388.1	14838.7	15690.5	16017.2
65°	4849.5	4942.8	5688.1	7248.7	10073.8	12623.3	14605.4	15686.1	16905.4	17243.8
67.5°	3997.7	4075.0	4779.5	6115.5	8775.8	12082.2	14713.3	16352.6	17962.8	18253.1
70°	2884.9	2944.7	3672.5	4836.4	7146.6	11151.7	14669.5	16825.2	18511.2	18743.1
72.5°	1363.7	1417.7	2272.3	3140.1	5047.9	9340.2	13784.2	16450.4	17954.1	17838.9
75°	727.8	774.5	1305.4	1722.5	2666.1	6402.8	11280.0	14170.7	15076.5	14516.4
77.5°	493.0	529.4	808.0	1034.1	1217.8	3039.5	7250.2	9811.3	9439.4	8514.7
80°	390.9	428.8	662.2	700.1	589.2	1098.2	2995.7	4541.8	3262.7	2609.2
82.5°	300.5	342.7	557.1	507.6	320.9	450.7	872.2	1436.6	835.7	635.9
85°	183.8	229.0	437.5	323.8	180.9	205.6	296.1	399.6	255.2	212.9
87.5°	93.3	131.3	221.7	118.1	81.7	48.1	78.8	78.8	67.1	58.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953563

CATALOG NUMBER: GLAN-SB7A-827-U-T3R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3972.9	0°	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9	3972.9
3952.5	2.5°	3987.5	4016.7	4066.3	4113.0	4149.4	4184.4	4219.4	4238.4	4244.2	4267.6
3974.4	5°	4034.2	4088.2	4184.4	4274.8	4331.7	4366.7	4391.5	4406.1	4409.0	4416.3
4034.2	7.5°	4120.2	4206.3	4340.5	4430.9	4473.2	4470.3	4460.1	4423.6	4409.0	4395.9
4121.7	10°	4241.3	4355.1	4519.9	4582.6	4556.3	4486.3	4395.9	4289.4	4239.8	4191.7
4241.3	12.5°	4391.5	4535.9	4697.8	4694.9	4565.1	4385.7	4175.7	4012.3	3908.8	3834.4
4388.6	15°	4573.8	4740.1	4864.1	4764.9	4480.5	4158.2	3850.4	3637.5	3544.1	3462.5
4537.4	17.5°	4762.0	4939.9	4996.8	4743.0	4267.6	3821.3	3472.7	3305.0	3213.1	3169.3
4697.8	20°	4945.8	5122.2	5075.6	4617.6	3943.8	3439.1	3128.5	3036.6	3017.6	3027.8
4853.9	22.5°	5139.7	5297.3	5091.6	4375.5	3531.0	3048.3	2877.6	2880.5	2922.8	2953.5
5017.2	25°	5338.1	5444.6	5049.3	4025.4	3087.6	2760.9	2718.6	2765.3	2848.4	2908.2
5201.0	27.5°	5529.2	5575.8	4957.4	3592.3	2707.0	2555.3	2562.6	2658.8	2784.3	2867.4
5424.1	30°	5745.0	5692.5	4780.9	3105.1	2443.0	2378.8	2440.1	2552.4	2677.8	2752.2
5705.6	32.5°	5988.6	5793.1	4500.9	2654.5	2256.3	2237.3	2338.0	2410.9	2466.3	2488.2
6079.0	35°	6291.9	5934.6	4142.1	2338.0	2088.6	2133.8	2230.0	2193.6	2171.7	2160.0
6580.7	37.5°	6685.7	6125.7	3722.1	2132.3	1952.9	2059.4	2098.8	1985.0	1899.0	1856.7
7188.9	40°	7159.8	6405.7	3318.1	1973.3	1866.9	1995.2	1926.7	1789.6	1680.2	1620.4
7873.0	42.5°	7686.3	6698.9	2978.2	1853.7	1818.7	1942.7	1799.8	1636.4	1460.0	1441.0
8688.3	45°	8239.0	7000.8	2746.3	1761.9	1795.4	1897.5	1726.9	1462.9	1337.4	1414.7
9506.5	47.5°	8791.8	7277.9	2606.3	1693.3	1783.7	1846.5	1662.7	1366.6	1277.6	1389.9
10383.0	50°	9407.3	7525.8	2543.6	1643.7	1770.6	1826.0	1566.4	1341.8	1214.9	1289.3
11290.2	52.5°	10018.4	7718.4	2496.9	1594.1	1751.7	1810.0	1519.8	1312.6	1139.1	1143.5
12203.2	55°	10628.1	7843.8	2445.9	1528.5	1709.4	1775.0	1515.4	1280.6	1082.2	1061.8
13168.8	57.5°	11278.5	7915.3	2383.2	1455.6	1636.4	1686.0	1511.0	1255.8	1064.7	1031.2
14156.2	60°	11940.7	8020.3	2301.5	1366.6	1538.7	1579.6	1500.8	1247.0	1054.5	997.6
15086.7	62.5°	12534.3	8056.7	2203.8	1282.0	1413.3	1474.5	1478.9	1239.7	1026.8	929.1
15859.7	65°	12923.7	7899.2	2033.1	1185.8	1277.6	1366.6	1436.6	1214.9	977.2	879.5
16241.8	67.5°	12907.7	7450.0	1766.2	1061.8	1146.4	1247.0	1375.4	1172.6	917.4	818.2
15953.0	70°	12306.8	6563.2	1427.9	917.4	1002.0	1118.7	1296.6	1109.9	845.9	751.1
14185.3	72.5°	10555.1	5136.8	1037.0	748.2	834.3	985.9	1194.5	1034.1	773.0	691.3
10483.7	75°	7540.4	3251.0	703.0	574.6	649.0	835.7	1067.6	945.1	705.9	694.2
5250.6	77.5°	3851.9	1553.3	465.3	420.0	452.1	659.2	897.0	844.5	716.1	573.2
1493.5	80°	1252.8	573.2	293.2	285.9	300.5	439.0	694.2	692.8	542.6	389.4
361.7	82.5°	399.6	246.5	191.1	183.8	176.5	275.7	484.2	548.4	366.1	246.5
129.8	85°	159.0	147.3	112.3	103.6	74.4	129.8	253.8	364.6	272.7	177.9
33.5	87.5°	58.3	58.3	30.6	21.9	16.0	43.8	68.5	109.4	156.1	91.9
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°
3972.9
4280.7
4428.0
4398.8
4177.1
3816.9
3453.7
3182.4
3023.5
2960.7
2924.3
2887.8
2769.7
2499.9
2171.7
1866.9
1624.8
1460.0
1455.6
1442.5
1344.7
1174.1
1076.4
1035.5
1002.0
929.1
879.5
822.6
759.9
687.0
654.9
510.5
344.2
245.0
182.3
90.4
0.0