

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: P846325

Luminaire Tested: **GLAN-SB1D-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4787 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

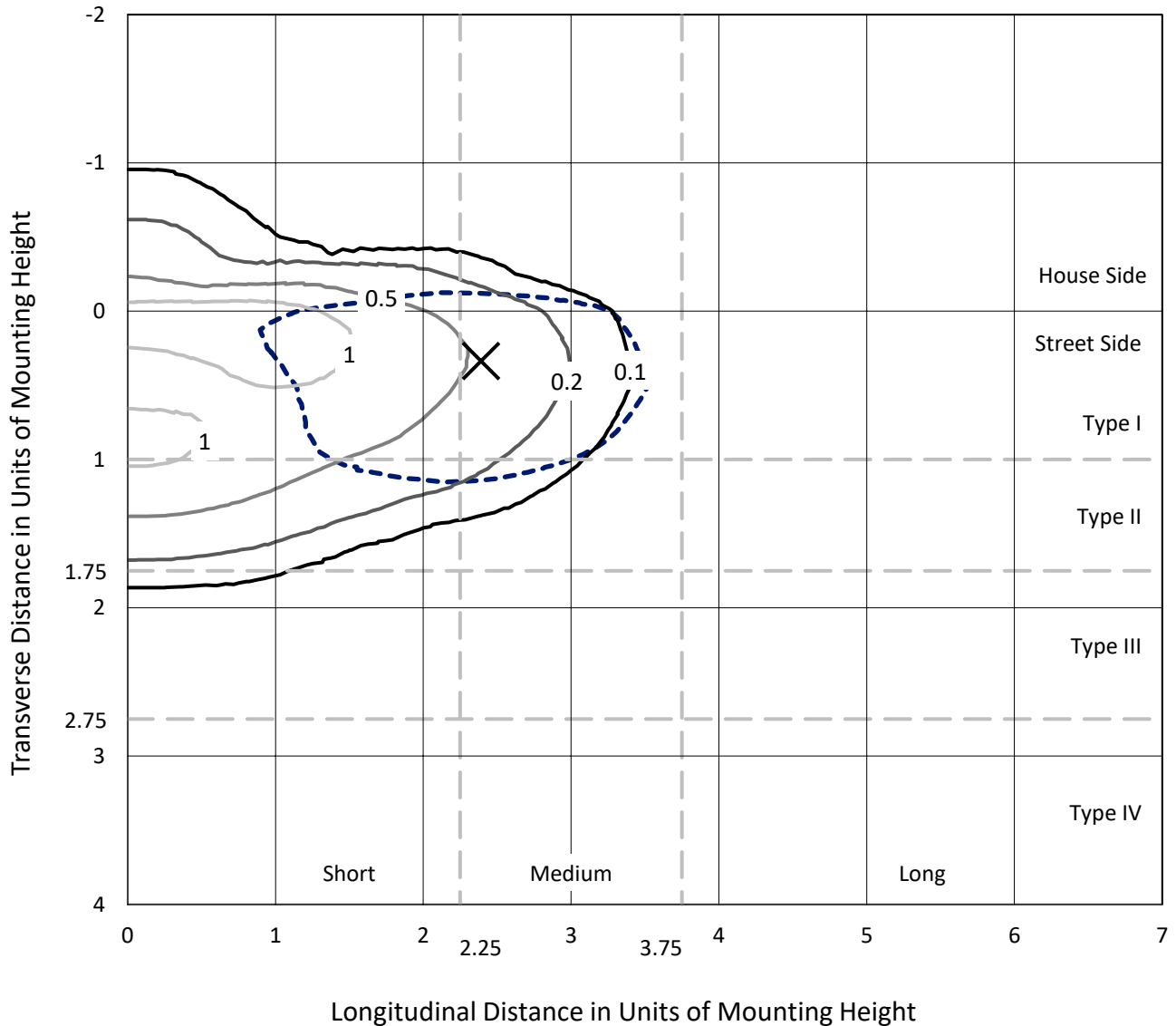
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

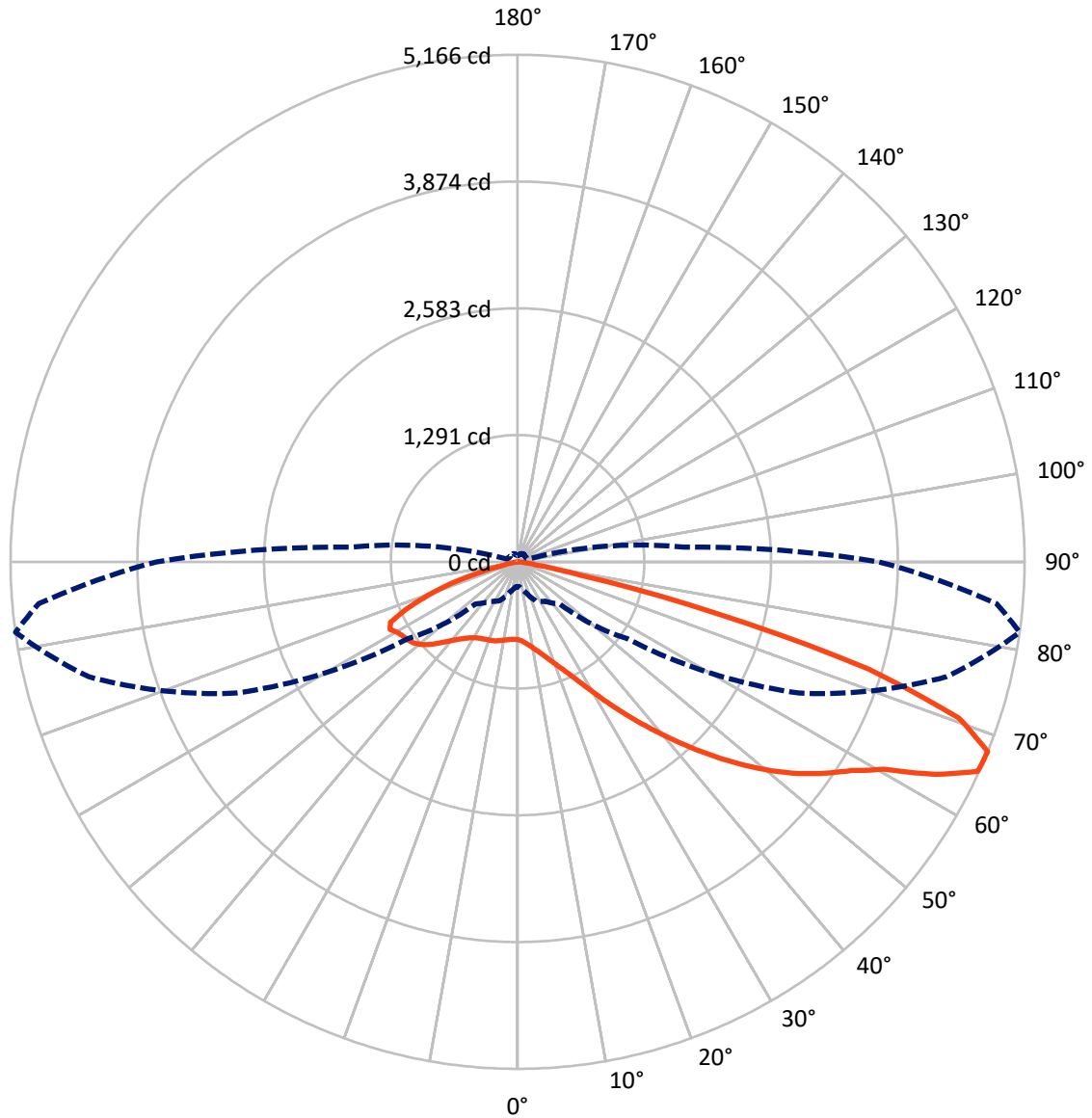
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	867.1	0.0	867.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3919.9	0.0	3919.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	4787.0	0.0	4787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.5
10°-20°	183.6	3.8
20°-30°	294.1	6.1
30°-40°	520.0	10.9
40°-50°	911.1	19.0
50°-60°	1215.2	25.4
60°-70°	1131.3	23.6
70°-80°	434.2	9.1
80°-90°	27.0	0.6
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°	4787.0	100.0
0°-180°	4787.0	100.0

Coefficient of Utilization

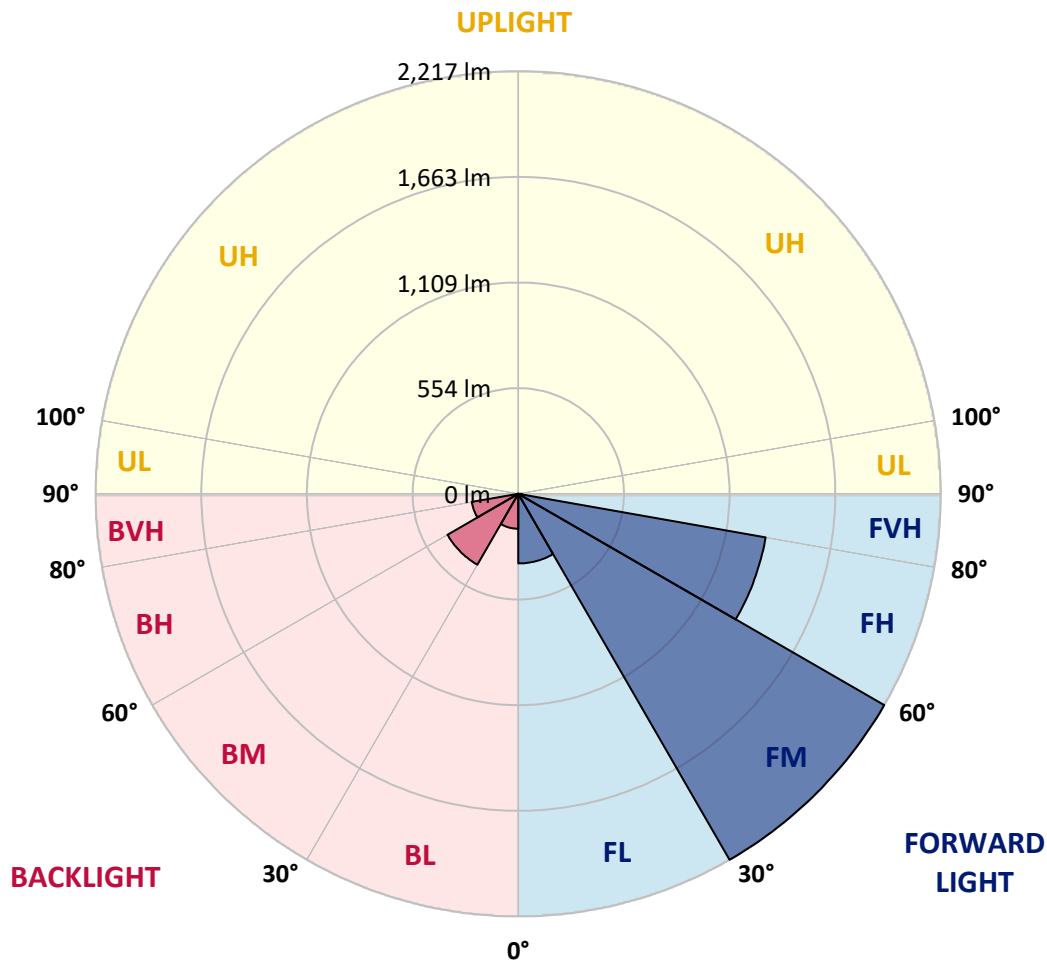


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.2	7.6			
FM (30°-60°)	2217.1	46.3			
FH (60°-80°)	1317.9	27.5			G1/1800
FVH (80°-90°)	19.6	0.4			G1/100
BL (0°-30°)	183.1	3.8	B1/500		
BM (30°-60°)	429.1	9.0	B1/1000		
BH (60°-80°)	247.5	5.2	B1/500		G1/500
BVH (80°-90°)	7.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0
2.5°	838.2	843.0	840.3	838.9	836.5	833.0	830.3	821.7	812.7	806.8
5°	855.1	859.9	859.6	860.9	862.7	863.7	863.0	853.4	840.6	830.6
7.5°	840.6	846.1	850.6	857.5	869.6	882.3	888.5	886.4	873.3	859.6
10°	799.6	805.5	816.1	832.3	857.8	885.4	908.5	919.2	910.9	895.8
12.5°	724.5	730.3	751.3	786.5	829.2	877.1	921.3	949.9	951.9	936.8
15°	640.0	645.9	668.3	712.4	777.5	854.4	928.1	982.3	1000.5	987.4
17.5°	587.6	592.8	609.7	645.2	713.1	808.9	925.7	1016.7	1058.4	1048.1
20°	571.8	576.3	584.2	609.0	665.5	761.7	909.9	1049.1	1120.8	1114.9
22.5°	588.7	592.8	595.2	606.2	641.7	730.7	889.9	1082.2	1193.2	1193.9
25°	627.6	631.7	629.0	635.9	651.4	721.0	882.3	1121.2	1284.2	1291.8
27.5°	691.7	692.1	685.5	685.2	687.6	735.5	890.2	1162.9	1398.9	1413.1
30°	820.3	815.1	789.9	762.7	750.3	778.9	912.3	1212.1	1534.4	1559.5
32.5°	1018.4	1010.9	964.7	899.5	834.1	848.9	951.9	1268.3	1681.9	1727.4
35°	1233.5	1231.4	1183.2	1086.3	971.9	948.5	1016.4	1342.1	1842.9	1915.2
37.5°	1433.4	1432.4	1404.8	1290.7	1151.5	1087.4	1119.8	1438.6	2015.2	2120.0
40°	1616.1	1619.2	1591.6	1489.6	1349.3	1265.6	1260.4	1557.8	2206.8	2342.9
42.5°	1773.9	1777.4	1749.5	1674.0	1544.7	1462.7	1433.1	1704.0	2394.0	2582.5
45°	1881.1	1902.5	1898.3	1838.0	1745.3	1660.2	1640.5	1887.3	2607.3	2836.5
47.5°	1911.4	1931.1	1962.1	1970.4	1913.9	1830.1	1853.5	2108.2	2823.0	3090.8
50°	1836.6	1854.9	1919.4	2005.2	2044.5	2018.6	2060.7	2345.0	3044.0	3344.5
52.5°	1689.1	1707.7	1789.1	1924.9	2085.1	2166.5	2268.5	2578.3	3258.0	3584.7
55°	1475.8	1495.4	1599.9	1753.6	2007.6	2227.5	2441.9	2811.3	3454.1	3800.8
57.5°	1185.6	1200.1	1308.6	1523.7	1812.5	2166.8	2569.7	3065.7	3638.8	4013.1
60°	772.7	785.5	911.6	1151.5	1489.2	1964.2	2595.2	3349.3	3884.2	4289.2
62.5°	513.9	522.5	597.3	773.4	1048.8	1575.1	2446.0	3575.8	4244.0	4769.6
65°	352.6	361.2	436.0	558.7	677.6	1041.9	2016.9	3545.8	4570.1	5151.2
67.5°	251.6	258.8	322.2	438.1	490.4	605.2	1367.2	3162.5	4523.2	5165.6
70°	180.3	184.4	236.8	341.2	389.8	363.6	760.3	2418.8	3960.4	4770.0
72.5°	126.1	127.5	164.4	259.9	314.0	265.4	361.9	1612.6	2995.4	3744.0
75°	85.5	87.2	110.6	190.6	251.9	202.7	191.6	864.7	1758.4	2072.4
77.5°	52.4	53.1	71.3	130.3	188.5	154.4	123.4	366.4	680.3	667.9
80°	29.6	29.6	45.5	81.0	128.6	99.6	86.5	155.8	215.4	189.2
82.5°	16.5	16.9	33.1	50.3	85.1	58.9	47.6	72.0	93.1	82.4
85°	6.9	7.6	20.3	23.8	40.7	29.3	19.3	30.3	34.5	30.7
87.5°	0.7	1.0	6.2	4.5	4.8	5.9	2.8	5.9	4.8	4.8
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°
793.0	0°	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0
804.8	2.5°	798.2	793.0	779.9	764.8	744.8	735.1	722.0	713.1	705.5	706.2
824.8	5°	813.7	800.6	771.3	734.8	689.3	656.9	622.4	598.7	579.4	575.2
852.3	7.5°	835.1	814.4	763.1	697.2	620.4	562.1	510.1	476.7	452.9	445.3
885.8	10°	862.7	832.7	752.4	650.0	539.4	465.3	409.4	383.3	367.1	361.5
925.0	12.5°	894.7	853.7	738.2	592.5	456.0	384.6	349.1	336.0	330.9	329.1
973.3	15°	935.0	879.9	716.9	524.2	385.3	335.3	320.2	318.5	319.1	318.5
1031.2	17.5°	982.9	908.5	682.1	453.9	337.8	310.2	304.7	306.1	307.8	307.4
1096.0	20°	1035.3	936.8	637.6	391.5	305.4	292.3	289.2	290.5	291.9	291.2
1170.8	22.5°	1095.0	967.1	588.3	342.9	283.6	275.7	272.3	272.6	272.6	271.2
1265.6	25°	1166.3	1000.5	536.6	308.5	267.1	260.9	256.8	255.4	253.3	249.2
1380.7	27.5°	1251.4	1036.0	487.0	284.3	254.0	248.1	243.3	239.9	234.7	227.8
1518.9	30°	1347.2	1079.1	444.9	269.2	243.7	237.8	232.3	227.1	219.5	210.9
1677.8	32.5°	1459.9	1125.3	414.3	259.2	234.4	228.2	221.6	215.4	207.1	198.5
1856.3	35°	1594.4	1181.1	396.3	252.3	227.1	218.9	211.6	204.7	198.5	190.9
2050.3	37.5°	1740.1	1240.4	390.8	248.8	222.3	209.5	201.3	196.5	195.8	191.3
2260.2	40°	1899.7	1310.7	395.0	246.8	217.1	200.6	191.6	190.6	192.3	184.4
2484.6	42.5°	2068.6	1394.1	401.9	244.4	209.9	191.6	183.0	183.0	181.6	170.6
2721.7	45°	2251.3	1490.3	408.8	238.5	201.3	182.7	176.1	173.7	167.8	157.2
2960.2	47.5°	2435.3	1588.2	413.9	227.8	190.9	175.1	169.2	163.7	155.1	145.4
3194.2	50°	2610.0	1676.0	408.4	212.0	179.2	167.8	161.6	154.1	144.8	138.2
3415.8	52.5°	2766.2	1752.2	385.0	193.3	166.8	160.3	154.7	146.8	139.2	132.3
3615.7	55°	2902.0	1813.9	343.6	175.8	155.8	153.7	148.2	138.2	127.9	122.0
3813.9	57.5°	3032.2	1860.8	291.9	161.3	145.8	146.5	138.2	129.2	119.6	113.4
4081.0	60°	3205.6	1923.5	239.5	147.9	135.1	137.2	128.2	121.7	109.6	101.7
4539.1	62.5°	3482.7	2021.0	190.2	131.3	122.7	123.4	119.6	111.7	97.2	87.9
4878.5	65°	3702.6	1985.2	149.9	113.4	108.6	109.6	109.6	101.0	85.5	74.8
4896.8	67.5°	3677.8	1699.8	119.6	95.8	95.1	95.8	98.2	91.0	75.8	67.2
4523.9	70°	3387.9	1352.1	95.8	79.6	82.7	81.0	87.9	83.1	68.2	59.6
3507.2	72.5°	2764.5	974.0	73.1	65.8	63.4	66.2	79.3	74.8	56.9	47.2
1857.7	75°	1615.4	519.7	54.5	52.0	45.8	55.1	70.3	63.8	43.4	34.8
569.4	77.5°	525.9	181.3	40.0	38.3	34.1	44.5	60.0	53.8	35.5	27.6
166.8	80°	141.0	54.8	27.2	25.2	22.1	33.1	47.6	42.7	25.5	17.9
71.7	82.5°	56.5	23.1	15.9	14.1	12.1	22.7	37.6	34.5	19.0	11.4
22.4	85°	18.3	7.6	5.9	4.5	5.5	14.1	22.4	23.4	13.4	5.9
3.4	87.5°	2.4	1.0	1.0	1.4	1.0	2.4	6.9	6.5	3.8	0.7
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°
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793.0
699.3
565.9
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227.1
210.2
198.9
190.2
190.9
184.7
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