

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: P846336

Luminaire Tested: **GLAN-SB1D-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6805 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

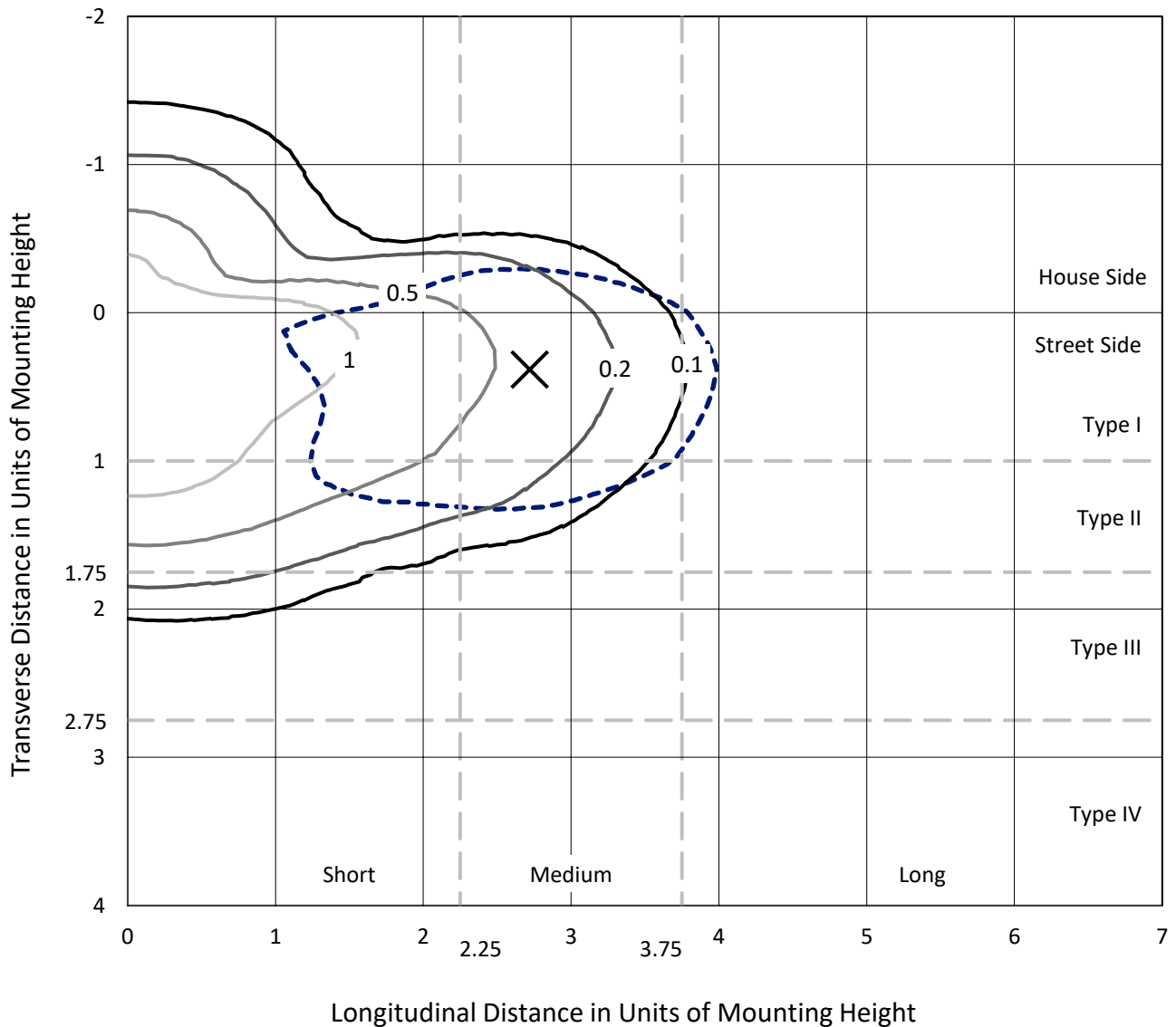
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

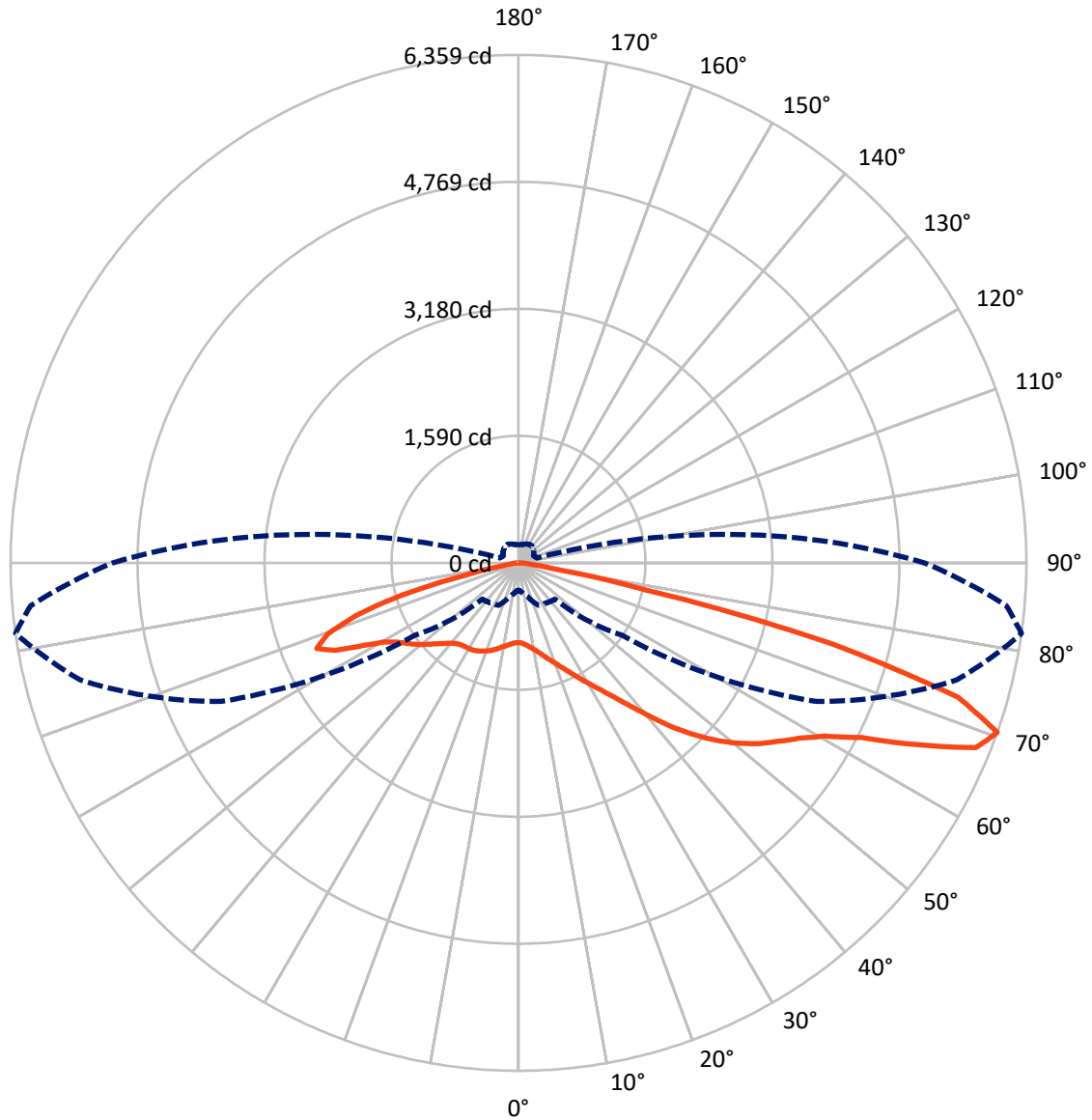
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1677.6	0.0	1677.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5127.4	0.0	5127.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	6805.0	0.0	6805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	1.4
10°-20°	270.6	4.0
20°-30°	452.8	6.7
30°-40°	707.3	10.4
40°-50°	1126.5	16.6
50°-60°	1567.7	23.0
60°-70°	1639.8	24.1
70°-80°	857.1	12.6
80°-90°	89.0	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°	6805.0	100.0
0°-180°	6805.0	100.0

Coefficient of Utilization

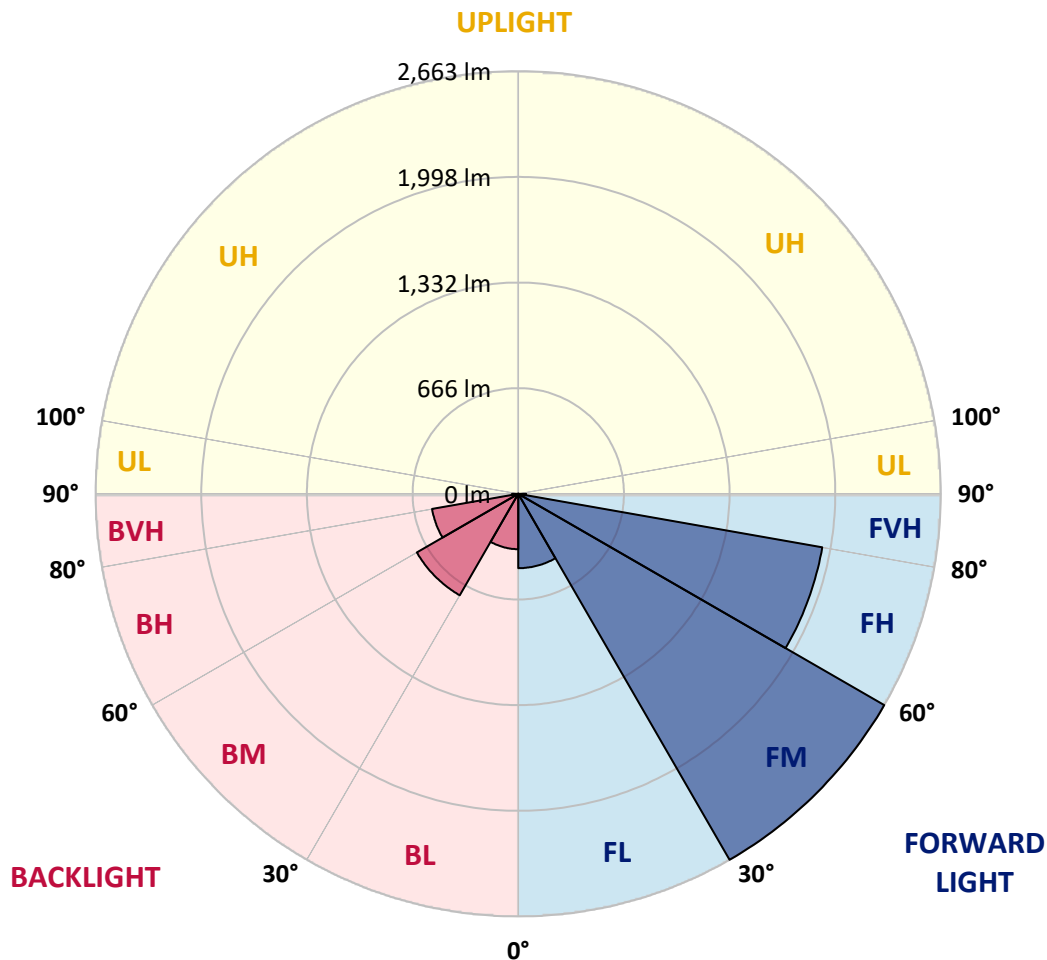


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.6	6.9			
FM (30°-60°)	2663.4	39.1			
FH (60°-80°)	1945.6	28.6			G2/5000
FVH (80°-90°)	49.8	0.7			G1/100
BL (0°-30°)	349.0	5.1	B1/500		
BM (30°-60°)	738.1	10.8	B1/1000		
BH (60°-80°)	551.3	8.1	B2/1000		G2/1000
BVH (80°-90°)	39.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
2.5°	1021.5	1027.3	1025.5	1023.7	1023.7	1021.2	1020.8	1017.2	1014.3	1009.6
5°	1034.5	1040.7	1039.9	1041.4	1046.1	1047.2	1048.3	1046.1	1040.3	1034.5
7.5°	1023.0	1029.8	1032.0	1040.7	1055.1	1068.1	1077.9	1081.8	1076.4	1068.1
10°	984.0	991.6	999.1	1019.7	1045.4	1076.1	1102.1	1117.6	1116.5	1108.6
12.5°	904.9	912.8	929.1	969.2	1016.1	1070.3	1118.7	1151.2	1162.4	1156.6
15°	841.7	848.6	860.8	902.0	963.0	1045.4	1124.8	1188.0	1216.5	1213.3
17.5°	839.9	842.8	850.4	869.9	916.8	1006.4	1118.3	1224.1	1278.6	1278.3
20°	871.7	872.8	877.1	881.1	907.8	976.8	1101.7	1254.1	1348.3	1348.3
22.5°	915.7	915.0	919.3	915.7	928.7	974.2	1091.2	1280.4	1426.0	1431.7
25°	981.8	978.2	977.1	968.8	971.3	997.7	1102.8	1310.4	1518.0	1529.9
27.5°	1069.9	1064.1	1060.2	1041.0	1034.5	1046.1	1138.2	1346.5	1620.6	1641.2
30°	1184.7	1174.3	1168.5	1135.3	1111.8	1113.6	1191.6	1394.5	1727.8	1761.0
32.5°	1341.5	1325.2	1309.7	1255.2	1212.2	1198.1	1260.6	1461.0	1844.1	1897.2
35°	1516.9	1503.9	1487.3	1403.2	1337.1	1304.6	1353.7	1553.8	1980.2	2064.4
37.5°	1685.9	1674.7	1682.7	1569.3	1484.1	1436.8	1475.8	1678.4	2148.1	2272.4
40°	1860.7	1852.0	1853.1	1744.8	1645.5	1592.4	1623.8	1834.7	2340.6	2519.7
42.5°	2050.6	2044.1	2022.5	1926.4	1814.9	1765.4	1794.3	2015.3	2547.1	2801.4
45°	2263.3	2259.4	2239.1	2129.0	2001.2	1945.6	1984.6	2214.6	2754.8	3066.4
47.5°	2447.1	2450.4	2447.8	2355.0	2222.5	2140.9	2187.5	2422.6	2948.0	3315.5
50°	2535.6	2552.6	2577.5	2548.6	2466.3	2383.2	2392.2	2623.3	3132.1	3549.2
52.5°	2489.4	2521.5	2589.4	2635.6	2667.4	2650.1	2625.9	2822.7	3305.4	3760.1
55°	2317.1	2362.3	2474.9	2586.5	2748.6	2874.7	2906.4	3043.6	3474.4	3945.7
57.5°	2003.3	2076.6	2177.7	2403.4	2676.4	2983.3	3233.6	3350.2	3653.5	4143.9
60°	1465.3	1563.5	1689.2	2025.0	2423.7	2925.2	3512.0	3821.1	3908.1	4400.6
62.5°	937.8	998.4	1114.0	1430.3	1888.5	2627.3	3597.2	4409.7	4339.6	4821.7
65°	642.0	681.0	786.8	964.5	1220.9	1955.7	3369.0	4850.9	5025.0	5489.0
67.5°	466.5	496.1	586.4	742.0	795.5	1157.3	2614.3	4830.7	5691.2	6176.5
70°	340.1	361.1	436.9	586.4	612.1	643.8	1583.8	4106.3	5676.7	6359.2
72.5°	252.0	266.5	317.4	455.0	495.4	434.8	783.9	2984.4	4878.0	5751.8
75°	182.4	193.2	230.7	348.1	396.5	331.1	391.1	1744.1	3402.6	4046.0
77.5°	139.4	147.7	172.2	254.9	317.4	248.4	242.7	802.3	1613.4	1621.3
80°	111.9	117.4	130.7	179.5	243.4	186.0	158.2	323.9	509.9	431.5
82.5°	82.3	91.4	110.5	126.0	174.0	128.2	96.4	163.6	193.9	166.8
85°	46.9	53.1	66.8	90.3	111.2	78.4	55.2	72.6	90.3	74.0
87.5°	16.6	21.7	23.5	35.4	48.4	32.5	21.3	20.9	29.6	22.0
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°
997.7	0°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
1008.5	2.5°	1004.9	1003.1	995.9	986.1	976.0	966.3	963.0	956.2	951.5	949.0
1032.0	5°	1025.1	1019.4	1002.4	980.7	958.0	933.4	916.1	900.2	888.6	877.8
1064.1	7.5°	1054.0	1043.9	1014.7	976.8	936.3	895.5	865.2	842.1	826.5	816.4
1101.7	10°	1087.6	1072.1	1027.3	970.6	908.1	849.7	813.9	794.0	784.3	778.9
1144.7	12.5°	1126.2	1104.2	1040.3	956.5	865.2	798.4	773.8	768.0	768.4	768.8
1198.8	15°	1173.9	1143.2	1050.8	925.8	809.2	759.0	754.7	764.1	773.8	778.5
1260.2	17.5°	1227.7	1184.4	1052.6	875.3	754.3	733.7	747.5	767.7	782.5	789.0
1328.8	20°	1285.5	1226.3	1039.6	803.8	709.2	713.2	737.7	763.7	780.0	788.3
1407.2	22.5°	1351.6	1271.0	1008.5	728.7	672.4	690.8	719.7	744.9	761.9	770.2
1499.3	25°	1427.0	1321.2	959.8	665.5	640.6	665.5	694.4	715.3	729.0	736.6
1602.2	27.5°	1510.8	1373.6	894.8	615.3	612.8	639.5	663.3	679.6	686.8	692.6
1711.6	30°	1594.9	1421.3	816.1	577.4	588.6	613.9	630.8	638.1	640.2	641.3
1833.6	32.5°	1685.9	1462.4	733.4	546.0	565.5	588.9	599.1	602.3	592.2	585.3
1981.7	35°	1796.1	1506.5	652.5	521.1	542.7	562.9	566.2	563.3	551.4	537.3
2167.3	37.5°	1932.2	1561.4	587.9	503.4	521.4	534.8	530.8	530.1	531.2	514.6
2390.4	40°	2099.0	1632.9	540.6	489.6	504.1	507.0	495.8	501.9	507.3	482.1
2635.3	42.5°	2284.3	1719.2	510.6	480.3	489.6	482.8	465.4	472.3	471.6	438.4
2881.2	45°	2473.1	1813.0	500.1	473.4	476.3	462.6	443.4	445.2	430.1	400.1
3116.9	47.5°	2660.9	1913.8	506.6	467.6	459.7	444.1	429.3	421.4	399.0	376.6
3343.0	50°	2845.0	2019.6	530.4	456.1	436.9	427.9	417.1	403.0	379.1	360.0
3556.8	52.5°	3015.8	2126.1	557.2	436.9	408.4	413.8	407.0	390.7	367.2	347.7
3759.0	55°	3177.6	2232.6	567.6	410.6	381.7	401.5	397.6	367.6	339.4	323.5
3970.6	57.5°	3353.8	2360.8	556.1	377.0	360.0	387.5	372.3	339.1	322.8	310.9
4246.1	60°	3597.9	2562.0	531.2	335.5	339.4	366.5	340.5	326.8	309.1	295.7
4659.2	62.5°	4003.4	2937.1	491.1	294.3	315.2	335.5	325.3	311.6	293.6	280.6
5365.5	65°	4602.8	3458.5	415.6	262.2	288.2	305.1	309.1	295.4	276.6	262.9
5984.4	67.5°	5108.4	3785.7	314.5	235.4	260.3	280.6	291.8	278.4	258.5	245.2
6129.2	70°	5080.6	3548.1	240.1	209.1	235.8	256.4	270.8	260.3	239.0	226.4
5567.3	72.5°	4512.6	2968.2	194.3	182.4	210.9	231.1	248.4	240.5	218.8	206.5
4078.5	75°	3315.2	2107.0	155.3	155.3	179.8	204.7	223.9	218.8	199.0	190.3
1712.3	77.5°	1397.4	884.0	121.7	128.9	149.5	175.9	199.7	201.5	184.2	195.0
452.8	80°	371.6	243.7	92.8	101.5	117.4	145.2	173.7	173.0	154.2	144.1
168.3	82.5°	141.5	96.1	66.1	71.5	84.9	111.2	137.6	141.9	123.1	106.5
66.1	85°	54.5	41.2	40.8	43.0	49.5	73.7	104.0	107.6	92.8	78.7
18.4	87.5°	14.1	12.3	15.2	14.4	22.7	39.4	59.6	61.7	56.7	32.9
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°
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997.7
951.8
882.1
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790.4
790.4
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643.8
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515.6
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438.0
401.2
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322.1
309.8
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106.5
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