

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: P846168

Luminaire Tested: **GLAN-SB1C-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5058 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

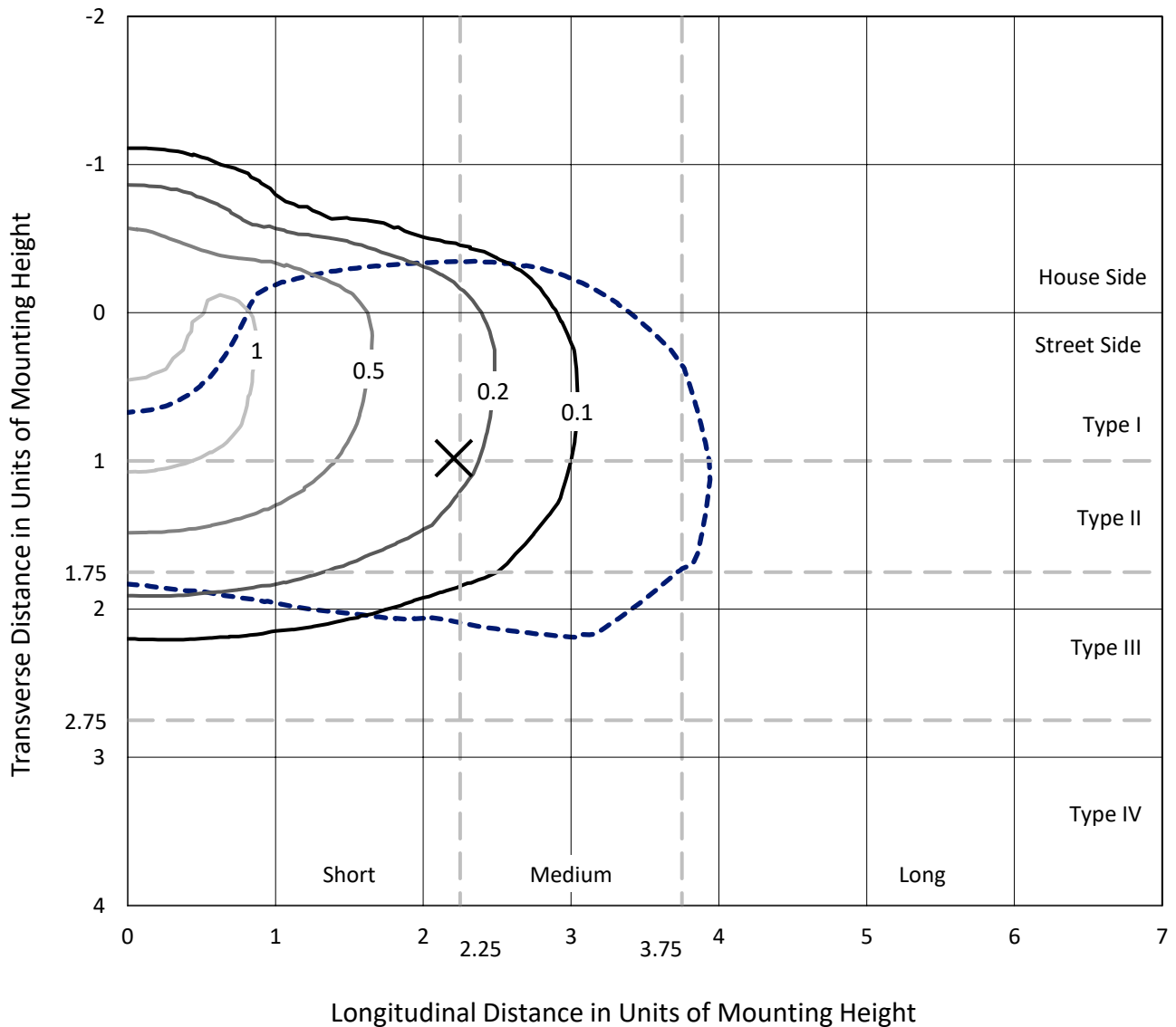
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

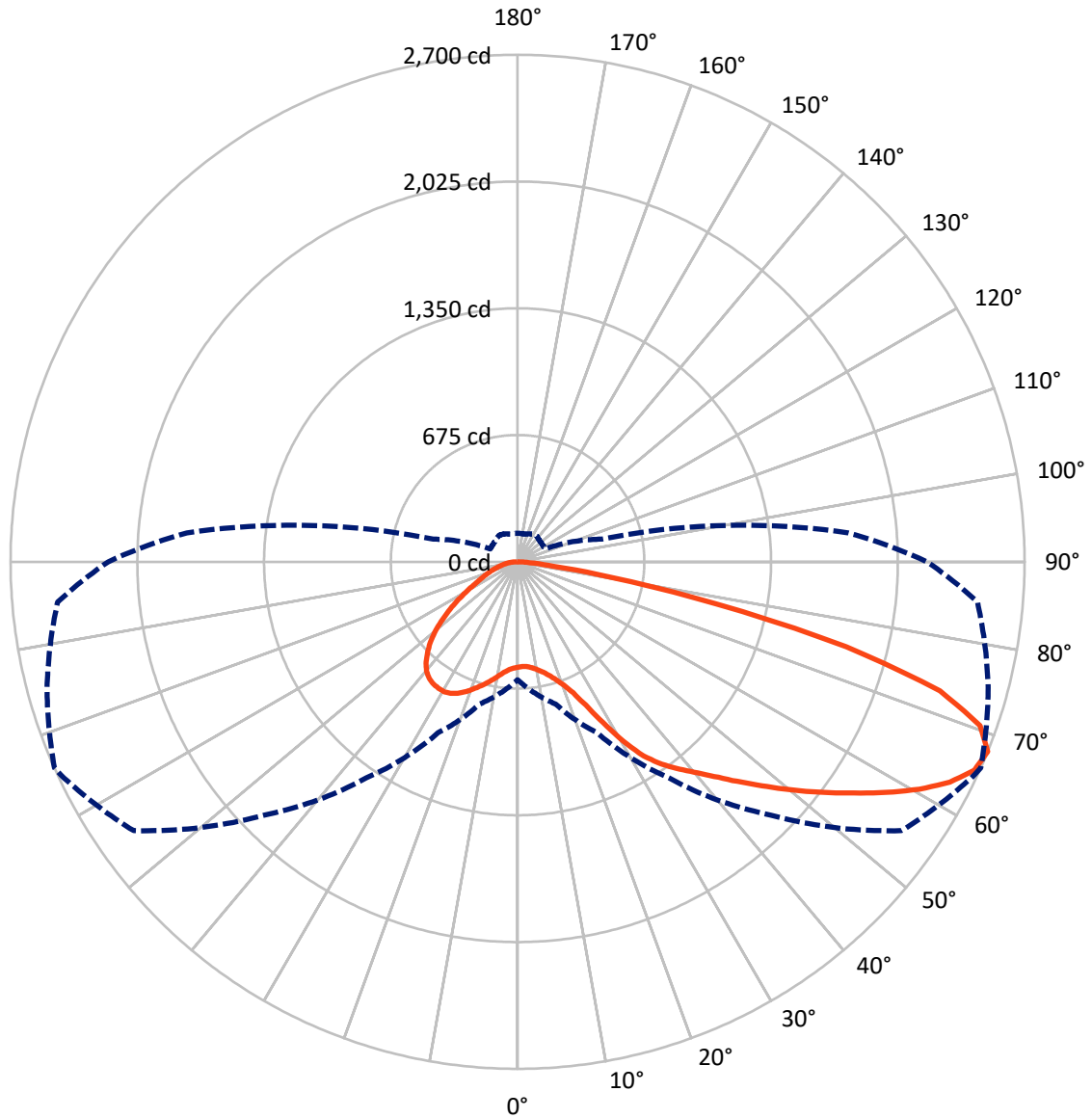
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1257.6	0.0	1257.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3800.3	0.0	3800.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	5058.0	0.0	5058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	1.1
10°-20°	183.8	3.6
20°-30°	354.2	7.0
30°-40°	621.0	12.3
40°-50°	923.3	18.3
50°-60°	1170.3	23.1
60°-70°	1145.1	22.6
70°-80°	546.2	10.8
80°-90°	58.4	1.2
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°	5058.0	100.0
0°-180°	5058.0	100.0

Coefficient of Utilization



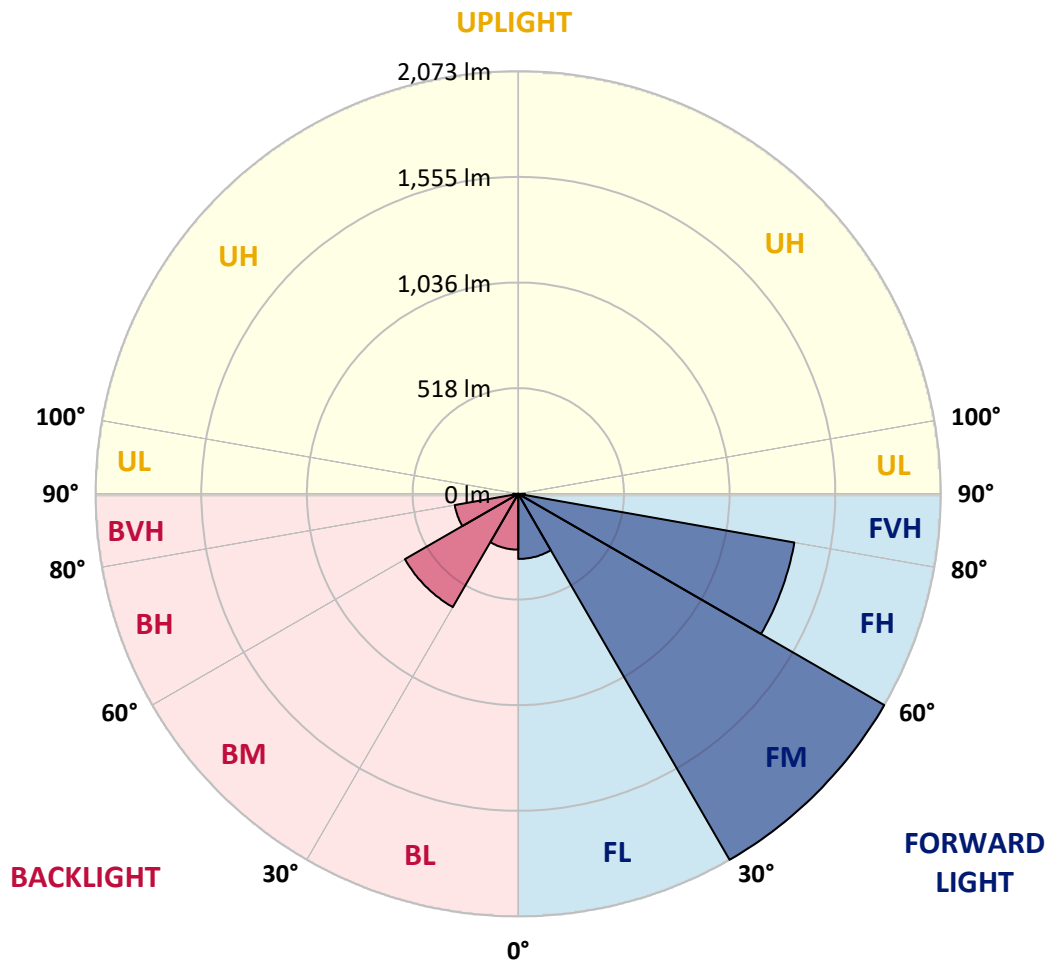
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.6	6.3			
FM (30°-60°)	2072.7	41.0			
FH (60°-80°)	1374.9	27.2			G1/1800
FVH (80°-90°)	33.1	0.7			G1/100
BL (0°-30°)	274.0	5.4	B1/500		
BM (30°-60°)	641.9	12.7	B1/1000		
BH (60°-80°)	316.5	6.3	B1/500		G1/500
BVH (80°-90°)	25.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0
2.5°	555.2	558.3	557.5	556.2	555.9	556.5	557.3	558.1	557.8	559.1
5°	553.6	556.7	556.5	556.5	557.5	559.7	561.0	562.3	561.0	562.6
7.5°	554.6	557.0	558.1	559.1	561.8	565.8	569.0	571.9	570.3	572.2
10°	568.2	570.0	571.1	571.1	573.0	577.5	580.7	586.0	584.7	587.6
12.5°	592.9	594.7	594.7	593.7	595.0	597.9	599.0	604.8	602.5	607.2
15°	623.2	626.9	624.0	622.1	622.7	625.6	625.3	629.8	627.4	631.4
17.5°	656.7	661.5	656.7	656.4	655.3	658.5	658.8	662.8	658.5	661.5
20°	696.3	702.9	698.9	700.3	697.9	699.2	700.5	706.4	699.7	701.8
22.5°	752.1	760.0	755.8	760.8	759.2	758.2	757.9	768.3	757.9	758.7
25°	833.4	843.0	835.5	842.4	842.4	845.9	849.9	863.2	845.9	840.8
27.5°	953.5	963.1	948.5	952.7	951.4	959.9	955.6	988.6	970.0	961.8
30°	1098.1	1115.1	1087.5	1086.4	1085.1	1098.6	1104.7	1126.5	1107.6	1099.4
32.5°	1254.3	1272.1	1239.2	1229.6	1224.6	1232.8	1227.8	1245.3	1232.3	1219.5
35°	1419.6	1437.2	1405.8	1387.2	1367.0	1349.7	1331.7	1336.2	1324.0	1304.6
37.5°	1575.9	1608.1	1574.8	1554.9	1517.7	1484.0	1433.5	1412.5	1401.0	1383.2
40°	1735.1	1753.4	1728.2	1711.2	1670.8	1617.9	1537.1	1492.7	1477.3	1460.0
42.5°	1852.3	1869.8	1856.3	1844.6	1812.9	1751.6	1647.1	1591.6	1569.3	1549.9
45°	1945.3	1958.3	1949.8	1954.1	1940.5	1881.0	1761.1	1697.6	1674.5	1650.8
47.5°	1982.8	1996.6	2010.1	2035.4	2058.5	2014.7	1883.6	1812.4	1788.0	1763.8
50°	1978.5	1992.6	2031.9	2085.6	2157.4	2142.7	2012.8	1934.7	1912.1	1884.4
52.5°	1944.5	1960.4	2010.9	2100.2	2214.5	2238.7	2144.3	2060.9	2039.6	2006.7
55°	1855.2	1864.8	1940.5	2067.0	2228.1	2305.7	2273.2	2195.4	2174.1	2128.1
57.5°	1689.6	1703.5	1813.7	1977.4	2194.0	2351.1	2386.4	2336.7	2316.3	2250.1
60°	1473.6	1495.6	1621.9	1827.0	2107.4	2350.8	2489.3	2475.7	2458.7	2370.2
62.5°	1229.1	1254.6	1376.1	1614.4	1955.9	2284.1	2553.6	2592.1	2583.4	2481.0
65°	943.9	961.5	1082.4	1339.4	1720.2	2140.9	2561.0	2671.6	2673.2	2565.3
67.5°	628.5	679.0	784.0	1005.1	1404.5	1906.8	2495.7	2684.6	2700.0	2594.3
70°	306.7	373.1	476.0	653.2	1005.1	1547.7	2324.8	2577.8	2612.1	2509.7
72.5°	127.3	148.8	204.9	322.4	576.9	1044.4	1981.4	2288.1	2351.6	2223.8
75°	85.8	93.0	117.2	165.3	262.8	515.0	1428.9	1706.1	1808.4	1679.5
77.5°	66.2	70.7	85.3	115.6	156.3	194.8	764.8	1028.2	1081.1	1000.8
80°	52.1	55.5	63.8	84.2	110.8	104.2	260.7	465.9	496.4	416.4
82.5°	45.2	46.5	45.7	57.1	73.6	60.9	85.6	171.9	189.7	137.7
85°	32.7	36.4	38.0	35.3	39.1	30.8	35.1	60.9	67.0	59.8
87.5°	13.3	19.7	24.2	22.9	14.4	8.8	10.9	17.8	20.5	22.3
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°
561.0	0°	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0
561.3	2.5°	561.5	563.4	564.7	566.3	567.4	569.0	572.2	574.0	574.3
565.5	5°	566.6	569.2	572.2	576.4	581.2	585.2	591.3	595.5	597.1
575.9	7.5°	577.5	581.2	586.5	594.0	600.9	606.2	613.6	618.7	623.7
592.4	10°	593.7	599.0	606.7	616.8	624.2	631.2	638.9	643.1	648.2
612.0	12.5°	613.9	619.5	629.6	643.6	650.6	655.3	658.0	656.9	658.0
635.7	15°	637.0	643.1	654.5	669.7	674.5	670.2	664.4	659.1	658.3
664.4	17.5°	664.4	668.9	682.2	694.9	691.5	673.9	661.2	652.7	648.4
701.0	20°	702.6	702.6	713.5	721.5	698.4	668.6	648.7	634.9	626.1
751.0	22.5°	749.2	744.9	751.8	746.2	697.1	653.7	626.1	602.2	588.9
820.9	25°	808.1	803.1	801.2	766.7	687.5	630.1	585.2	556.2	544.5
921.6	27.5°	897.2	884.4	860.2	777.9	670.0	592.9	537.3	510.5	503.9
1051.0	30°	1015.7	990.2	930.9	779.7	641.3	540.3	488.4	469.3	466.1
1159.7	32.5°	1125.5	1101.3	1003.2	771.2	597.1	488.7	444.6	431.8	427.1
1242.6	35°	1211.6	1204.9	1070.2	759.2	542.9	440.3	405.3	394.4	385.1
1320.8	37.5°	1292.9	1290.2	1120.4	742.5	489.2	406.1	373.6	359.3	345.7
1407.1	40°	1382.2	1379.5	1153.4	716.7	441.7	376.3	345.2	326.3	309.6
1504.9	42.5°	1482.6	1466.9	1169.0	679.8	401.3	351.1	322.1	296.6	274.5
1615.5	45°	1592.4	1557.0	1168.8	632.8	367.3	327.9	297.4	261.2	240.8
1729.0	47.5°	1708.8	1643.1	1154.4	580.7	334.3	302.4	259.1	231.5	217.9
1852.3	50°	1828.9	1723.7	1130.0	520.9	300.6	273.5	235.2	216.3	206.0
1974.5	52.5°	1941.8	1796.7	1100.5	453.1	266.3	245.3	224.6	209.9	199.0
2093.0	55°	2046.8	1859.7	1058.7	383.7	238.4	226.4	219.5	207.3	194.8
2213.4	57.5°	2140.1	1900.6	986.7	318.6	218.4	213.4	214.2	202.8	188.4
2332.0	60°	2217.7	1930.7	880.2	258.3	202.2	200.6	206.0	194.3	177.5
2432.1	62.5°	2264.2	1930.1	749.4	211.5	188.4	188.9	195.1	183.6	166.6
2484.5	65°	2260.2	1882.8	605.9	181.0	175.1	175.7	183.6	171.9	157.6
2458.2	67.5°	2180.2	1767.5	464.8	161.0	160.5	162.9	172.2	164.0	152.0
2301.4	70°	1963.6	1528.1	334.8	145.1	145.4	148.8	161.0	158.9	149.1
1934.9	72.5°	1574.6	1165.0	224.8	128.4	128.6	134.2	150.4	154.9	146.2
1372.9	75°	1048.7	726.6	144.6	110.6	110.8	118.0	141.1	147.2	138.2
714.3	77.5°	503.9	326.6	104.7	93.0	93.0	99.7	122.0	131.8	117.7
229.6	80°	174.1	122.8	82.4	74.9	73.3	77.9	102.8	114.3	101.5
74.9	82.5°	68.6	63.8	66.2	58.2	52.9	55.8	80.0	94.3	74.7
42.3	85°	39.3	41.5	46.8	38.5	30.6	34.3	58.7	67.8	56.3
13.8	87.5°	10.6	14.6	21.5	19.9	13.8	14.6	27.9	37.5	32.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
561.0
575.3
598.2
625.8
651.4
660.4
660.7
649.0
621.6
582.8
542.1
504.9
472.0
430.8
384.5
338.6
297.4
262.8
228.5
209.1
196.9
188.4
182.6
176.2
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156.3
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149.9
162.4
161.0
113.7
87.7
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