

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: P845878

Luminaire Tested: **GLAN-SB1B-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845878
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-SB1B-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5013 lumens
Efficiency: N/A
Efficacy: 126.0 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

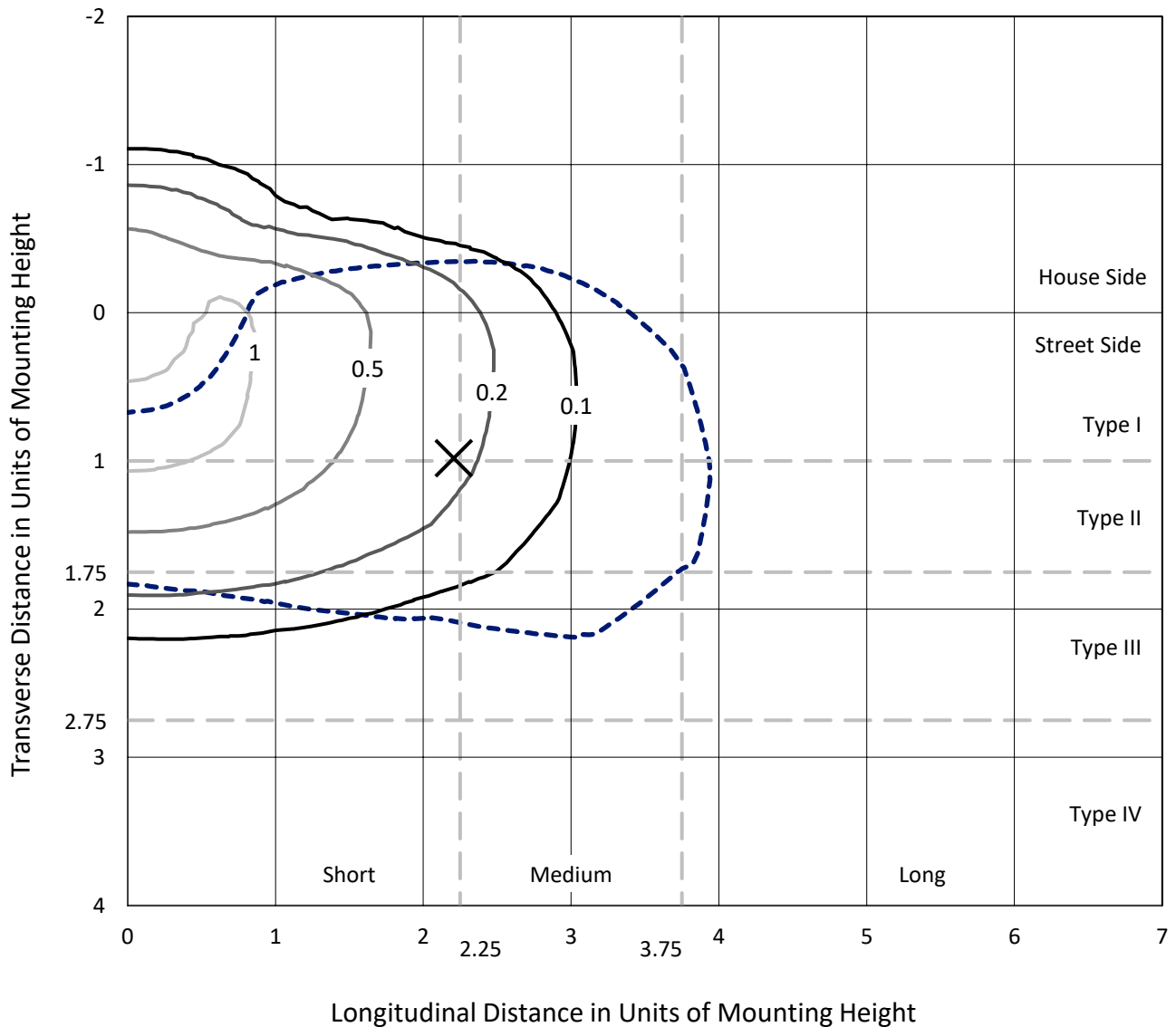
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

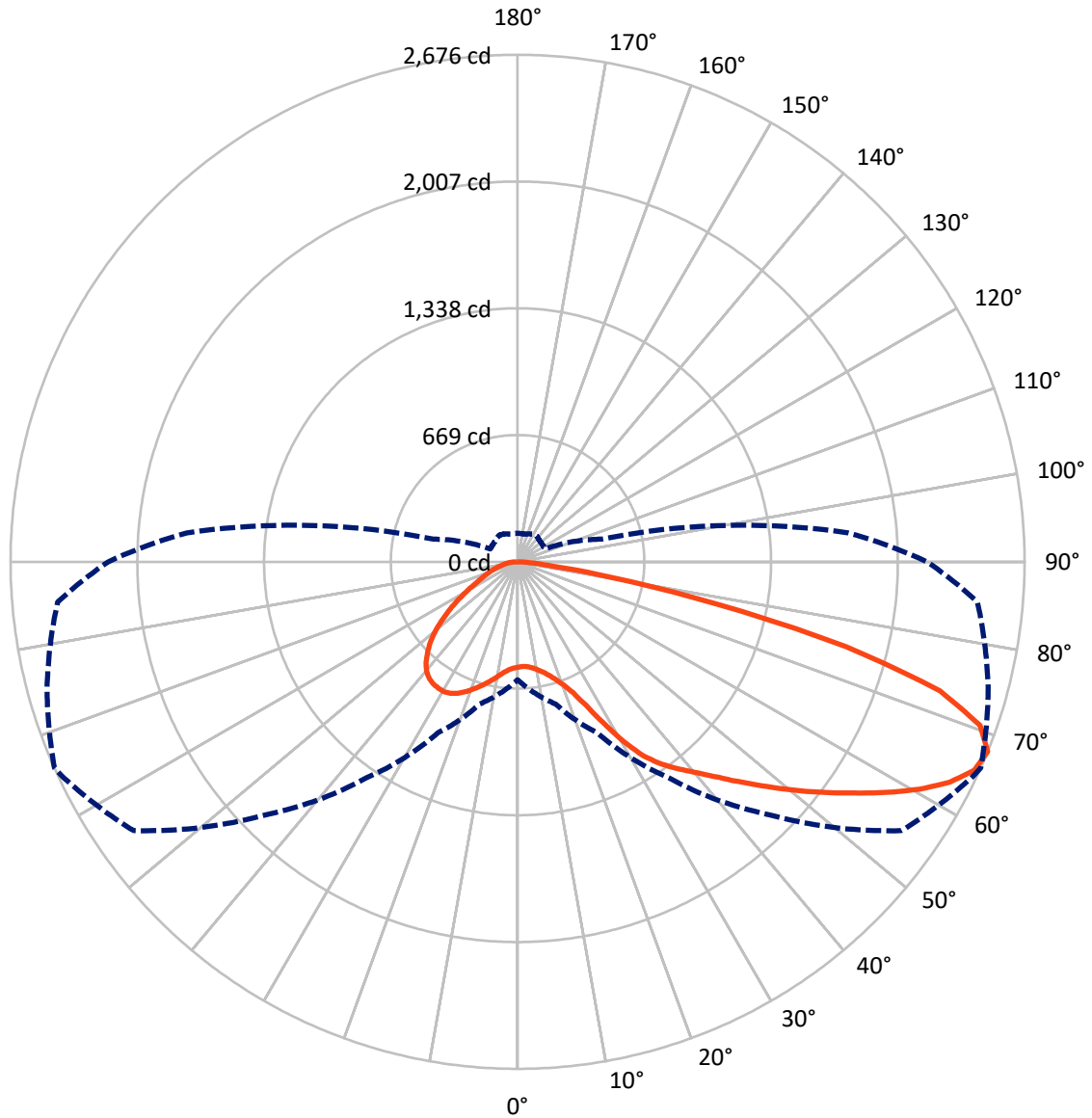
✕ Max cd
 - - - 1/2 Max cd



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	1246.5	0.0	1246.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3766.5	0.0	3766.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	5013.0	0.0	5013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.1
10°-20°	182.1	3.6
20°-30°	351.0	7.0
30°-40°	615.5	12.3
40°-50°	915.1	18.3
50°-60°	1159.9	23.1
60°-70°	1135.0	22.6
70°-80°	541.4	10.8
80°-90°	57.9	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°	5013.0	100.0
0°-180°	5013.0	100.0

Coefficient of Utilization



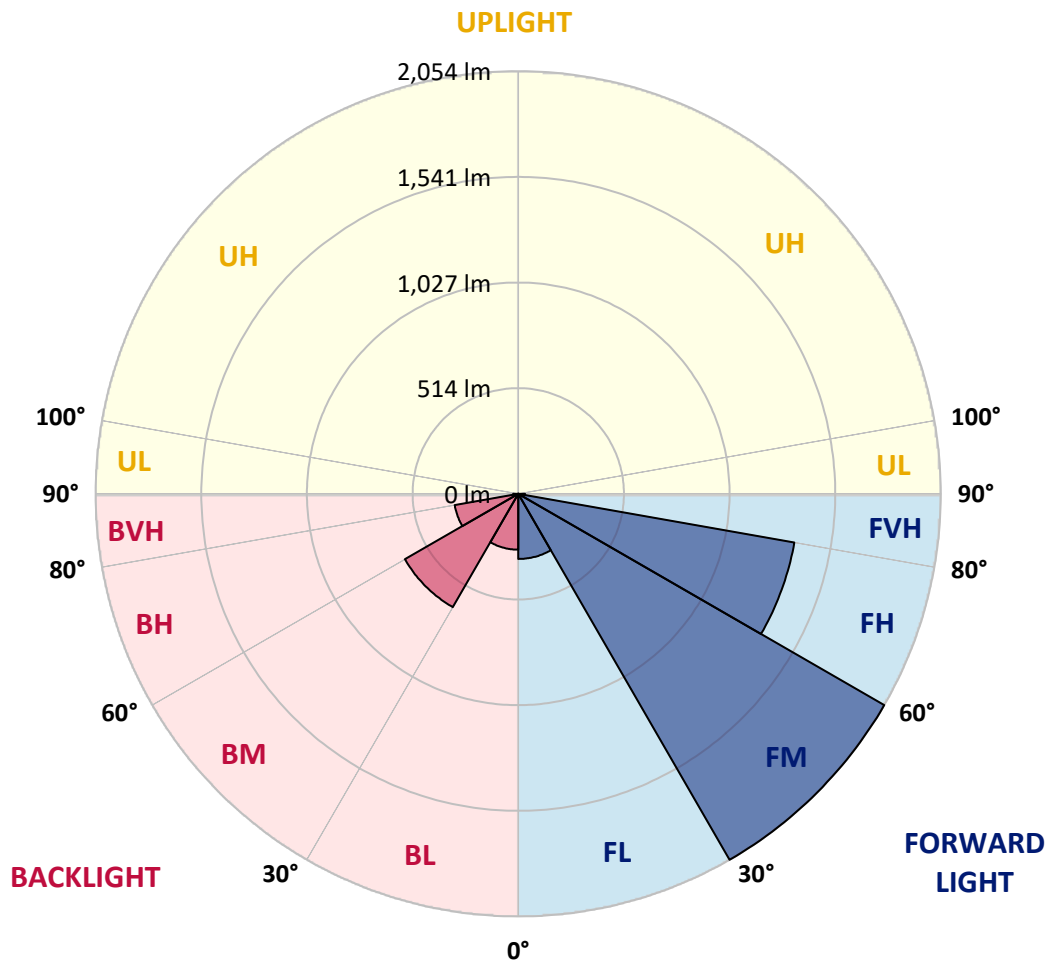
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.8	6.3			
FM (30°-60°)	2054.3	41.0			
FH (60°-80°)	1362.7	27.2			G1/1800
FVH (80°-90°)	32.8	0.7			G1/100
BL (0°-30°)	271.5	5.4	B1/500		
BM (30°-60°)	636.2	12.7	B1/1000		
BH (60°-80°)	313.7	6.3	B1/500		G1/500
BVH (80°-90°)	25.1	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°	556.0	556.0	556.0	556.0	556.0	556.0	556.0	556.0	556.0	556.0
2.5°	550.2	553.4	552.6	551.3	551.0	551.5	552.3	553.1	552.8	554.2
5°	548.6	551.8	551.5	551.5	552.6	554.7	556.0	557.3	556.0	557.6
7.5°	549.7	552.1	553.1	554.2	556.8	560.7	563.9	566.8	565.2	567.1
10°	563.1	565.0	566.0	566.0	567.9	572.3	575.5	580.8	579.4	582.3
12.5°	587.6	589.5	589.5	588.4	589.7	592.6	593.7	599.5	597.1	601.8
15°	617.6	621.3	618.4	616.6	617.1	620.0	619.7	624.2	621.9	625.8
17.5°	650.8	655.6	650.8	650.6	649.5	652.7	652.9	656.9	652.7	655.6
20°	690.1	696.7	692.7	694.0	691.7	693.0	694.3	700.1	693.5	695.6
22.5°	745.4	753.3	749.1	754.1	752.5	751.4	751.2	761.4	751.2	752.0
25°	826.0	835.5	828.1	834.9	834.9	838.4	842.3	855.5	838.4	833.4
27.5°	945.0	954.5	940.0	944.2	942.9	951.4	947.1	979.8	961.4	953.2
30°	1088.3	1105.2	1077.8	1076.7	1075.4	1088.8	1094.9	1116.5	1097.8	1089.6
32.5°	1243.2	1260.8	1228.2	1218.7	1213.7	1221.8	1216.8	1234.2	1221.3	1208.7
35°	1407.0	1424.4	1393.3	1374.9	1354.9	1337.7	1319.8	1324.3	1312.2	1293.0
37.5°	1561.9	1593.7	1560.8	1541.1	1504.2	1470.7	1420.7	1399.9	1388.6	1370.9
40°	1719.6	1737.8	1712.8	1695.9	1655.9	1603.5	1523.4	1479.4	1464.2	1447.0
42.5°	1835.8	1853.2	1839.8	1828.2	1796.8	1736.0	1632.5	1577.4	1555.3	1536.1
45°	1928.0	1940.9	1932.5	1936.7	1923.2	1864.2	1745.5	1682.5	1659.6	1636.2
47.5°	1965.1	1978.8	1992.3	2017.3	2040.2	1996.7	1866.9	1796.3	1772.1	1748.1
50°	1960.9	1974.9	2013.8	2067.1	2138.2	2123.7	1994.9	1917.5	1895.1	1867.7
52.5°	1927.2	1943.0	1993.0	2081.5	2194.8	2218.8	2125.3	2042.6	2021.5	1988.8
55°	1838.7	1848.2	1923.2	2048.6	2208.2	2285.1	2253.0	2175.8	2154.8	2109.2
57.5°	1674.6	1688.3	1797.6	1959.9	2174.5	2330.2	2365.2	2316.0	2295.7	2230.1
60°	1460.5	1482.3	1607.4	1810.8	2088.7	2329.9	2467.1	2453.7	2436.8	2349.1
62.5°	1218.2	1243.4	1363.8	1600.1	1938.5	2263.8	2530.9	2569.1	2560.4	2459.0
65°	935.5	952.9	1072.8	1327.5	1704.9	2121.8	2538.3	2647.8	2649.4	2542.5
67.5°	622.9	673.0	777.0	996.1	1392.0	1889.8	2473.5	2660.7	2676.0	2571.2
70°	303.9	369.8	471.7	647.4	996.1	1534.0	2304.1	2554.8	2588.8	2487.4
72.5°	126.2	147.5	203.1	319.5	571.8	1035.1	1963.8	2267.8	2330.7	2204.0
75°	85.1	92.2	116.2	163.8	260.5	510.4	1416.2	1690.9	1792.3	1664.6
77.5°	65.6	70.1	84.5	114.6	154.9	193.1	758.0	1019.0	1071.5	991.9
80°	51.6	55.0	63.2	83.5	109.8	103.2	258.4	461.7	492.0	412.7
82.5°	44.8	46.1	45.3	56.6	73.0	60.3	84.8	170.4	188.1	136.4
85°	32.4	36.1	37.7	35.0	38.7	30.6	34.8	60.3	66.4	59.3
87.5°	13.2	19.5	24.0	22.7	14.2	8.7	10.8	17.6	20.3	22.1
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°
556.0	0°	556.0	556.0	556.0	556.0	556.0	556.0	556.0	556.0	556.0	556.0
556.3	2.5°	556.5	558.4	559.7	561.3	562.3	563.9	567.1	568.9	569.2	570.5
560.5	5°	561.5	564.2	567.1	571.3	576.0	580.0	586.0	590.2	591.8	593.1
570.8	7.5°	572.3	576.0	581.3	588.7	595.5	600.8	608.2	613.2	618.2	620.0
587.1	10°	588.4	593.7	601.3	611.3	618.7	625.5	633.2	637.4	642.4	644.5
606.6	12.5°	608.4	614.0	624.0	637.9	644.8	649.5	652.1	651.1	652.1	654.0
630.0	15°	631.3	637.4	648.7	663.7	668.5	664.3	658.5	653.2	652.4	652.9
658.5	17.5°	658.5	662.9	676.1	688.8	685.3	667.9	655.3	646.9	642.7	641.3
694.8	20°	696.4	696.4	707.2	715.1	692.2	662.7	642.9	629.2	620.5	616.9
744.3	22.5°	742.5	738.3	745.1	739.6	690.9	647.9	620.5	596.8	583.7	578.4
813.6	25°	801.0	796.0	794.1	759.9	681.4	624.5	580.0	551.3	539.7	536.8
913.4	27.5°	889.2	876.5	852.6	770.9	664.0	587.6	532.6	506.0	499.4	499.6
1041.7	30°	1006.7	981.4	922.6	772.8	635.6	535.5	484.1	465.1	462.0	463.3
1149.4	32.5°	1115.4	1091.5	994.3	764.3	591.8	484.4	440.6	428.0	423.3	424.8
1231.6	35°	1200.8	1194.2	1060.7	752.5	538.1	436.4	401.7	390.9	381.6	379.5
1309.0	37.5°	1281.4	1278.7	1110.4	735.9	484.9	402.5	370.3	356.1	342.7	335.3
1394.6	40°	1369.9	1367.2	1143.1	710.4	437.7	373.0	342.1	323.4	306.8	293.4
1491.6	42.5°	1469.4	1453.9	1158.6	673.7	397.7	347.9	319.2	293.9	272.1	259.7
1601.1	45°	1578.2	1543.2	1158.4	627.1	364.0	325.0	294.7	258.9	238.6	227.0
1713.6	47.5°	1693.6	1628.5	1144.1	575.5	331.3	299.7	256.8	229.4	216.0	208.9
1835.8	50°	1812.6	1708.3	1119.9	516.2	297.9	271.0	233.1	214.4	204.1	197.5
1957.0	52.5°	1924.6	1780.8	1090.7	449.1	263.9	243.1	222.6	208.1	197.3	189.9
2074.4	55°	2028.6	1843.2	1049.3	380.3	236.3	224.4	217.6	205.4	193.1	184.4
2193.7	57.5°	2121.0	1883.7	978.0	315.8	216.5	211.5	212.3	201.0	186.7	179.4
2311.2	60°	2198.0	1913.5	872.3	256.0	200.4	198.9	204.1	192.5	175.9	167.5
2410.5	62.5°	2244.0	1913.0	742.7	209.7	186.7	187.3	193.3	182.0	165.1	157.2
2462.4	65°	2240.1	1866.1	600.5	179.4	173.6	174.1	182.0	170.4	156.2	151.4
2436.3	67.5°	2160.8	1751.8	460.7	159.6	159.1	161.5	170.7	162.5	150.7	150.1
2280.9	70°	1946.2	1514.5	331.9	143.8	144.1	147.5	159.6	157.5	147.8	148.8
1917.7	72.5°	1560.6	1154.7	222.8	127.2	127.5	133.0	149.1	153.6	144.9	158.8
1360.7	75°	1039.3	720.1	143.3	109.6	109.8	116.9	139.9	145.9	137.0	158.3
708.0	77.5°	499.4	323.7	103.8	92.2	92.2	98.8	120.9	130.6	116.7	123.0
227.6	80°	172.5	121.7	81.6	74.3	72.7	77.2	101.9	113.3	100.6	92.7
74.3	82.5°	68.0	63.2	65.6	57.7	52.4	55.3	79.3	93.5	74.0	66.9
41.9	85°	39.0	41.1	46.4	38.2	30.3	34.0	58.2	67.2	55.8	49.3
13.7	87.5°	10.5	14.5	21.3	19.8	13.7	14.5	27.7	37.1	32.1	24.8
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°
556.0
570.2
592.9
620.3
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654.8
643.2
616.1
577.6
537.3
500.4
467.8
426.9
381.1
335.6
294.7
260.5
226.5
207.3
195.2
186.7
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174.6
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