

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: P852087

Luminaire Tested: **GLAN-SB1B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5378 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

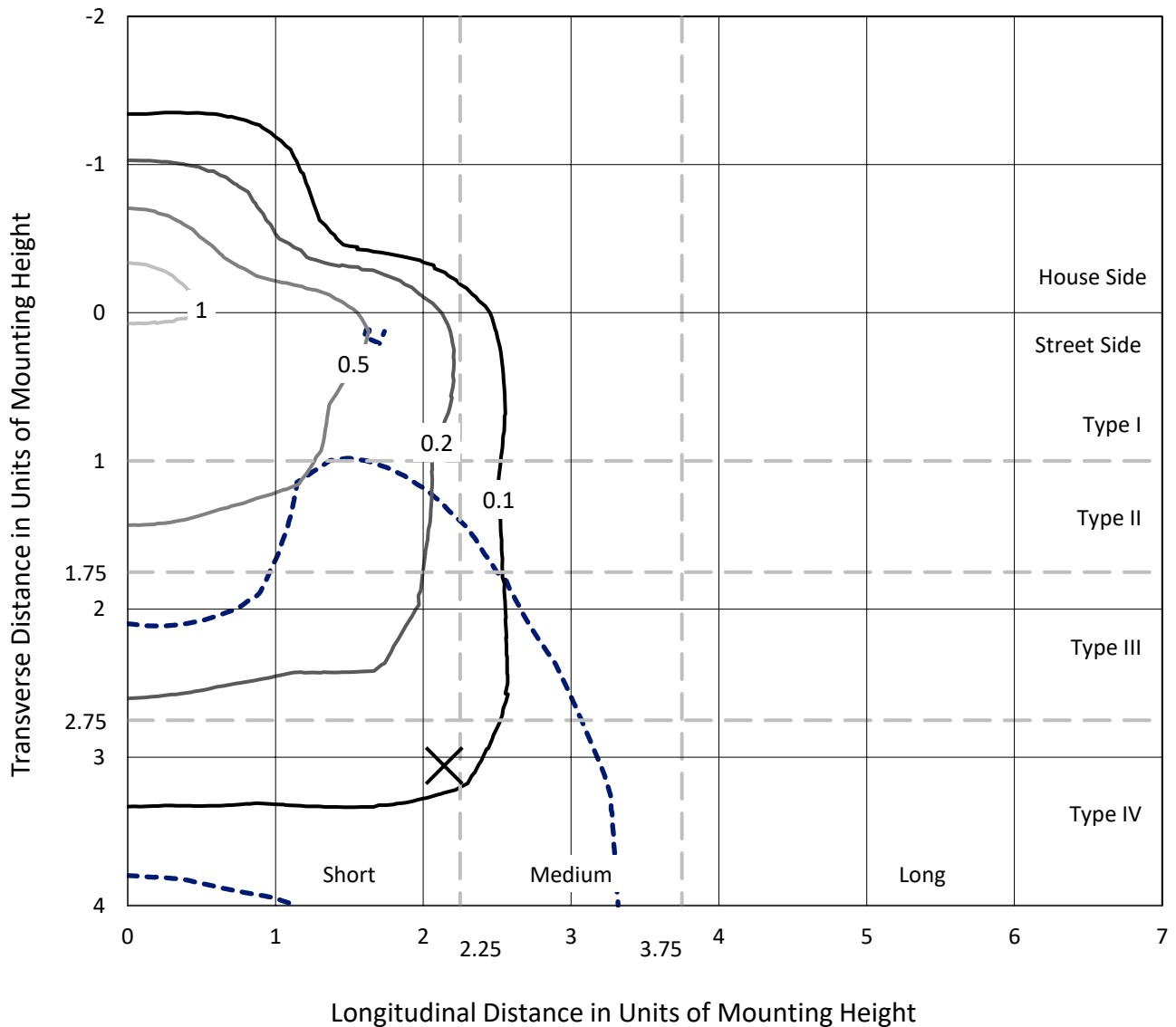
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

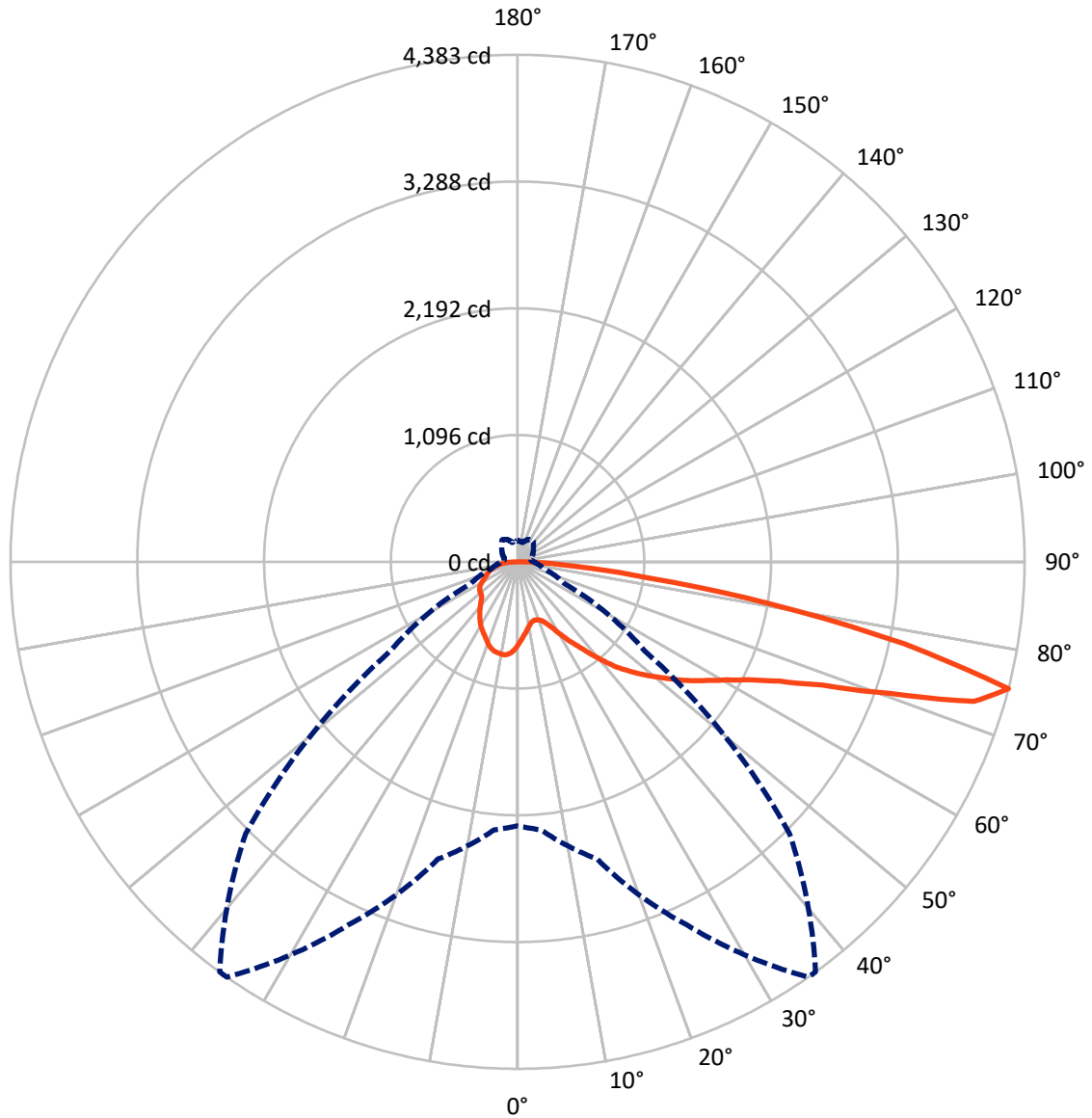
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1279.8	0.0	1279.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4098.2	0.0	4098.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	5378.0	0.0	5378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	1.3
10°-20°	195.7	3.6
20°-30°	328.7	6.1
30°-40°	510.8	9.5
40°-50°	758.1	14.1
50°-60°	1046.7	19.5
60°-70°	1269.8	23.6
70°-80°	1049.4	19.5
80°-90°	150.9	2.8
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°	5378.0	100.0
0°-180°	5378.0	100.0

Coefficient of Utilization



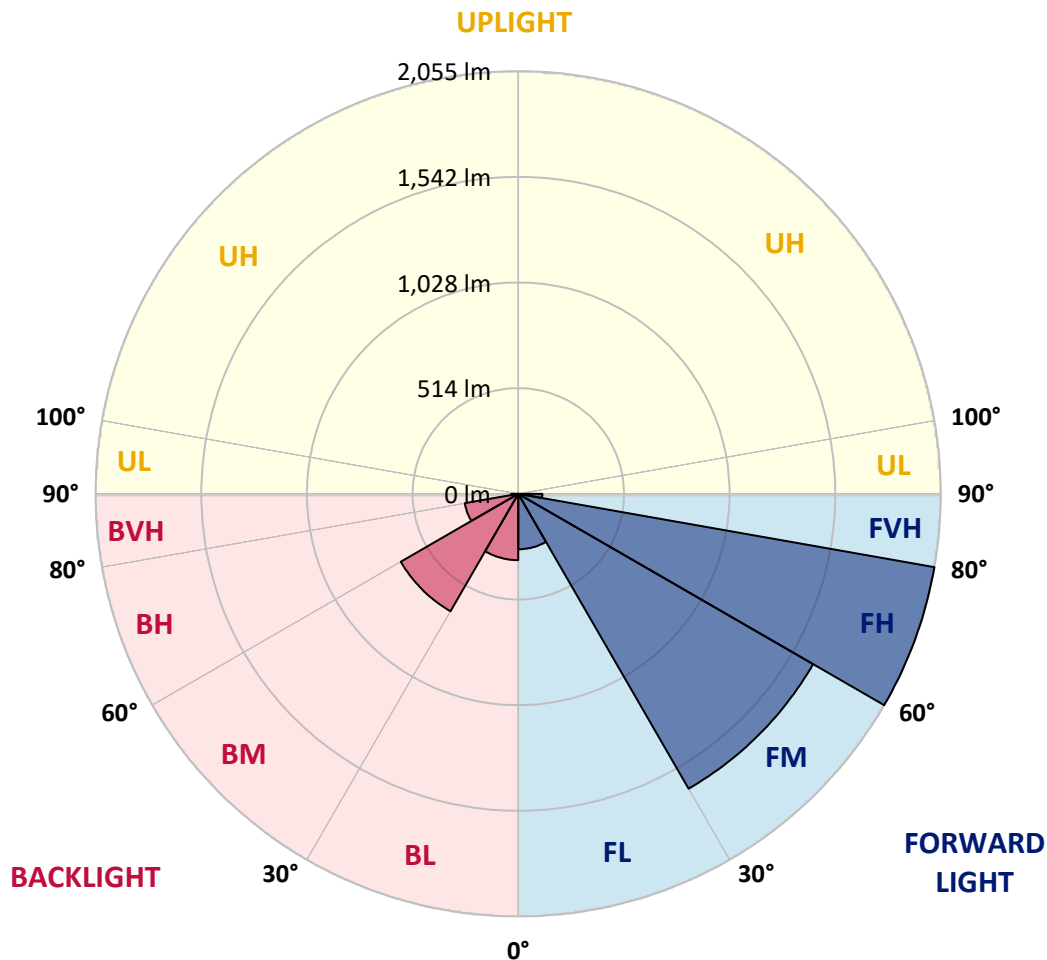
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.7	5.0			
FM (30°-60°)	1656.1	30.8			
FH (60°-80°)	2055.4	38.2			G2/5000
FVH (80°-90°)	117.0	2.2			G2/225
BL (0°-30°)	322.5	6.0	B1/500		
BM (30°-60°)	659.4	12.3	B1/1000		
BH (60°-80°)	263.9	4.9	B1/500		G1/500
BVH (80°-90°)	34.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7
2.5°	660.8	664.9	666.6	665.8	670.1	669.6	675.7	683.2	693.7	703.9
5°	610.0	614.3	618.1	621.6	630.0	632.6	642.2	656.8	676.0	695.4
7.5°	562.6	566.3	572.2	578.6	592.8	595.4	611.4	634.1	660.8	689.3
10°	523.9	527.7	533.8	541.1	558.8	562.0	582.3	612.6	647.5	683.5
12.5°	507.3	508.5	512.0	519.2	534.7	536.7	559.1	593.7	634.4	679.2
15°	506.5	508.8	509.1	512.9	525.6	526.5	547.2	581.5	626.2	678.3
17.5°	515.2	516.9	514.3	516.6	527.4	528.8	545.1	575.6	623.6	682.1
20°	538.4	539.9	532.0	528.8	536.7	537.9	553.8	579.4	626.2	689.9
22.5°	587.9	588.7	569.5	556.5	557.0	557.6	571.6	594.8	636.4	704.2
25°	664.9	664.3	633.8	608.5	594.0	590.8	600.1	619.8	653.6	723.1
27.5°	755.0	750.7	720.1	682.3	650.7	646.0	644.0	652.4	678.0	748.1
30°	856.8	852.7	819.9	770.4	726.5	719.0	699.8	695.4	714.3	782.1
32.5°	968.4	965.8	926.6	866.7	807.9	799.2	767.0	755.3	770.1	833.5
35°	1062.0	1059.7	1027.2	965.5	893.7	883.0	850.1	837.0	844.6	899.5
37.5°	1146.6	1145.5	1117.6	1069.0	994.9	981.8	944.9	940.5	939.1	986.5
40°	1225.1	1222.2	1193.2	1167.6	1112.6	1100.7	1068.2	1064.4	1053.3	1093.4
42.5°	1312.1	1304.5	1262.4	1250.4	1235.6	1225.7	1206.2	1206.8	1182.4	1214.1
45°	1383.0	1378.7	1335.3	1328.4	1344.3	1340.3	1357.1	1361.5	1314.1	1340.6
47.5°	1459.2	1455.1	1418.5	1413.5	1456.9	1458.0	1517.6	1519.1	1442.6	1472.0
50°	1553.1	1547.3	1510.9	1517.0	1565.6	1570.0	1679.0	1669.1	1560.9	1605.4
52.5°	1615.0	1618.5	1610.7	1620.5	1686.8	1690.9	1837.7	1812.4	1678.1	1737.1
55°	1660.7	1667.6	1692.1	1714.7	1814.8	1818.8	1987.4	1948.8	1775.2	1859.2
57.5°	1719.4	1709.5	1755.2	1799.3	1936.3	1947.0	2133.1	2080.2	1861.3	1964.5
60°	1803.7	1796.7	1832.2	1897.6	2072.3	2089.5	2287.2	2198.5	1924.4	2047.9
62.5°	1974.7	1957.2	1962.7	2020.6	2243.9	2266.5	2461.0	2301.7	1955.8	2080.5
65°	2230.2	2200.3	2172.4	2212.5	2485.5	2507.9	2657.3	2382.8	1944.1	2017.4
67.5°	2552.0	2522.4	2488.1	2525.9	2841.3	2859.1	2899.5	2428.5	1852.5	1774.3
70°	2817.5	2806.4	2847.4	3003.0	3409.7	3410.3	3210.0	2390.7	1601.6	1258.0
72.5°	2782.3	2775.6	2991.6	3472.5	4126.1	4110.7	3503.9	2104.6	1078.9	567.5
75°	2282.5	2325.9	2660.5	3464.1	4383.4	4381.3	3323.9	1337.9	446.3	235.2
77.5°	1224.0	1292.6	1727.2	2557.6	3421.9	3473.4	2336.9	468.1	191.6	150.6
80°	399.2	459.1	688.5	1302.2	2223.5	2213.9	1001.6	183.7	131.1	106.7
82.5°	169.5	176.5	307.6	614.9	1141.1	1123.4	318.9	105.5	92.2	73.0
85°	66.3	74.1	135.8	284.3	494.2	483.5	115.1	52.3	59.0	47.7
87.5°	21.8	26.5	48.6	97.4	153.8	148.3	28.2	18.0	25.6	21.8
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°
716.7	0°	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7
718.7	2.5°	722.8	727.4	732.9	741.1	748.1	753.9	760.0	763.8	765.2	769.6
719.9	5°	728.0	738.2	751.8	765.2	778.3	786.1	793.1	796.6	799.8	802.1
723.1	7.5°	736.7	749.8	771.3	788.8	799.8	806.2	810.9	809.7	810.9	811.4
726.5	10°	744.3	762.6	788.2	804.7	813.2	813.5	812.3	808.2	806.2	806.5
731.8	12.5°	753.3	773.6	801.3	815.2	817.5	811.1	806.2	799.2	796.6	795.4
739.6	15°	765.5	788.8	815.5	820.7	814.9	806.8	798.4	787.0	781.2	776.5
753.0	17.5°	780.3	805.9	826.6	822.8	810.3	796.9	783.2	766.1	754.2	749.2
771.3	20°	801.0	823.9	835.0	818.4	799.5	779.2	755.9	735.0	723.9	719.0
794.6	22.5°	826.0	848.1	843.1	810.9	784.1	751.5	722.5	707.1	701.5	698.0
824.5	25°	855.9	874.8	848.9	799.8	758.8	714.9	692.5	687.6	685.0	682.3
861.1	27.5°	894.9	905.0	853.3	783.5	719.3	676.0	667.8	668.7	667.8	663.5
912.0	30°	946.3	944.3	857.4	757.1	673.9	640.8	641.4	645.1	645.7	642.8
983.0	32.5°	1014.1	993.4	859.4	722.8	630.6	610.0	610.5	614.6	617.5	612.6
1075.7	35°	1096.1	1050.7	856.2	679.7	597.2	580.6	576.2	577.4	578.3	573.6
1188.2	37.5°	1191.7	1115.0	842.0	632.1	569.5	551.8	542.5	534.7	530.0	525.6
1315.6	40°	1296.7	1185.0	815.8	585.5	538.7	521.3	507.3	492.5	476.8	471.0
1450.5	42.5°	1406.6	1257.1	784.1	541.1	503.3	489.0	474.2	452.7	429.1	417.2
1590.6	45°	1520.5	1331.0	753.0	497.2	466.9	460.8	443.7	417.8	392.2	377.1
1731.0	47.5°	1632.2	1400.7	707.4	453.0	432.9	439.6	426.2	402.4	373.9	350.0
1870.3	50°	1738.9	1466.2	632.6	408.2	405.3	433.2	420.4	386.1	353.5	323.0
2006.9	52.5°	1844.7	1519.1	537.0	367.5	390.5	431.4	412.8	375.0	335.2	303.2
2135.4	55°	1934.5	1546.4	444.8	332.6	368.9	416.6	403.8	362.0	309.3	275.3
2223.5	57.5°	1985.7	1524.3	368.1	298.3	339.3	392.2	388.4	334.1	278.5	252.4
2240.7	60°	1963.6	1434.8	305.3	268.3	311.1	365.7	361.7	306.4	255.0	230.3
2148.8	62.5°	1841.8	1264.1	255.6	242.2	285.5	338.7	334.9	285.2	236.9	213.1
1904.9	65°	1596.4	1028.3	216.9	220.4	259.6	306.1	311.7	267.5	222.7	199.4
1473.7	67.5°	1217.6	744.9	186.7	201.5	234.3	274.2	290.2	254.7	210.8	188.7
852.7	70°	694.0	423.0	161.1	183.2	211.9	244.5	273.6	244.5	198.0	179.7
319.5	72.5°	263.1	194.2	139.3	164.8	190.4	219.5	255.3	228.5	183.2	169.5
165.1	75°	140.4	118.3	117.2	143.3	165.7	195.1	232.3	212.8	172.1	179.1
114.3	77.5°	95.7	83.7	98.0	122.7	138.7	168.0	207.9	189.0	149.1	148.6
79.1	80°	66.3	59.3	79.7	98.8	107.3	141.3	181.4	162.2	121.5	113.4
48.8	82.5°	39.8	38.7	59.6	73.8	75.9	109.0	150.3	136.1	99.4	86.6
29.1	85°	21.8	23.0	38.1	43.3	44.2	76.2	117.7	105.2	76.5	64.3
10.5	87.5°	6.1	7.8	14.0	17.2	21.2	39.5	70.1	62.5	38.4	26.7
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°
716.7
769.3
802.7
812.3
807.1
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718.4
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682.3
664.3
644.3
614.9
576.8
528.6
473.6
418.7
375.9
347.4
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