

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: P852211

Luminaire Tested: **GLAN-SB2A-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852211
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-SB2A-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5982 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

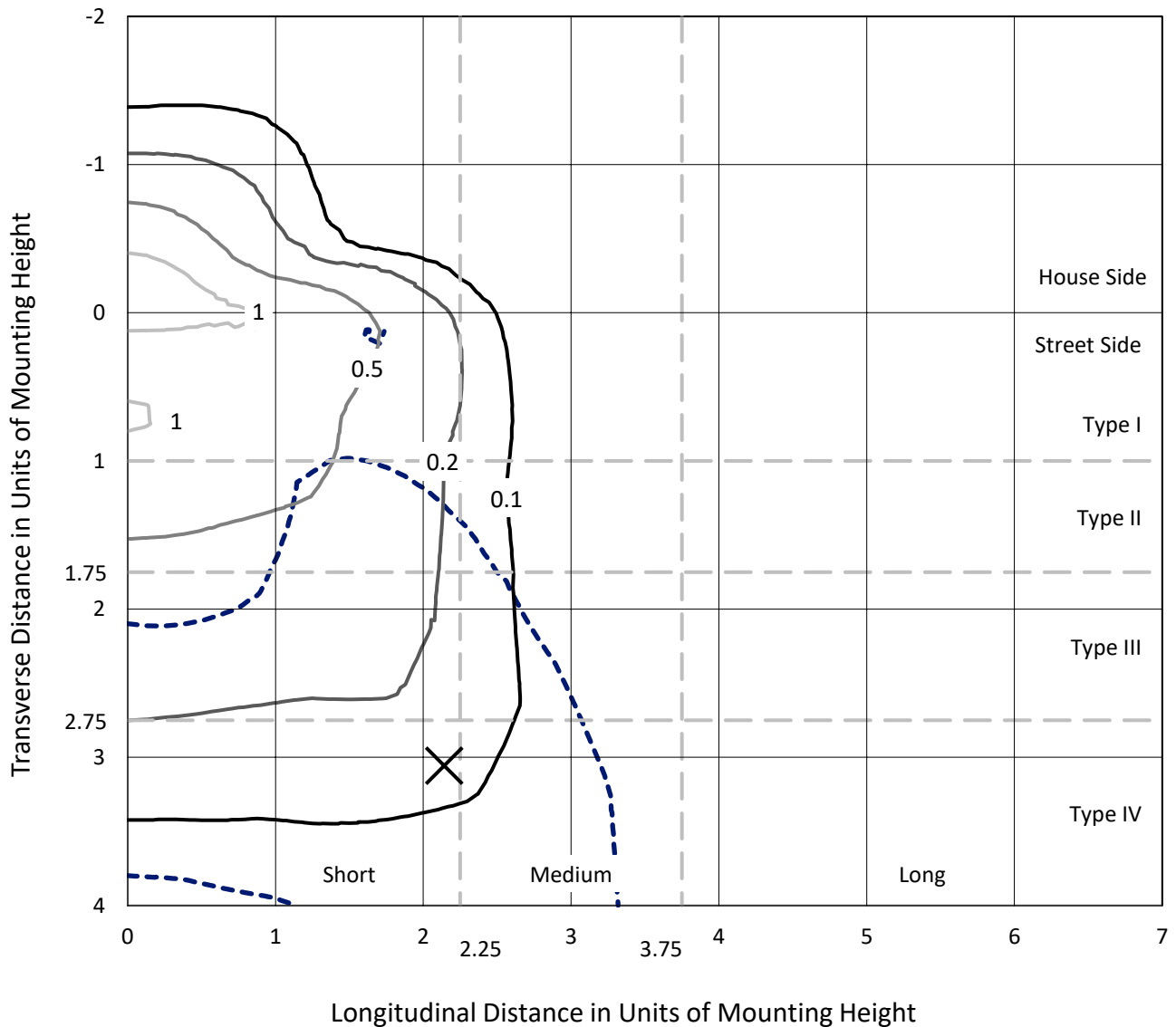
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852211
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Iso-Footcandle Lines of Horizontal Illumination

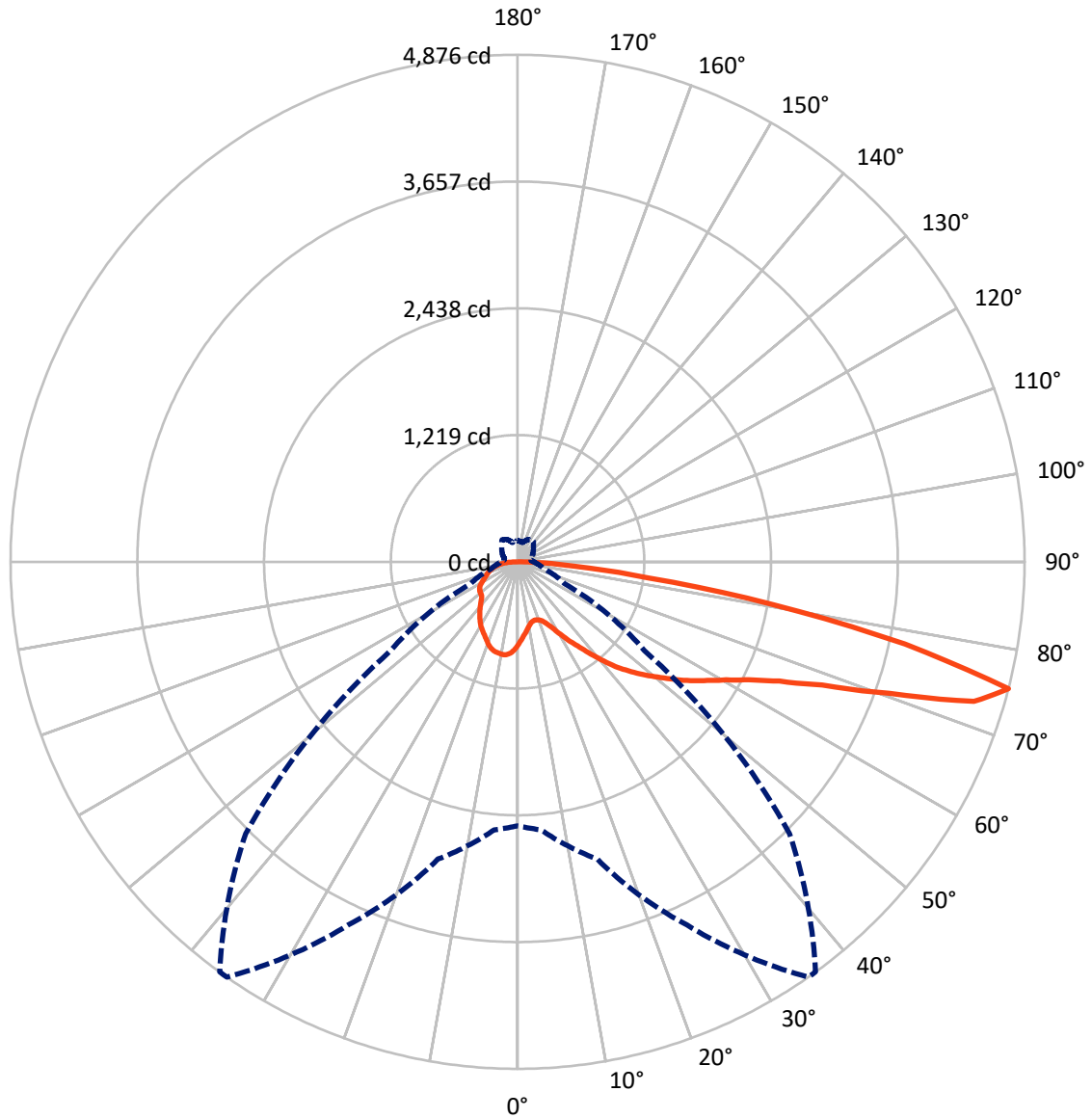
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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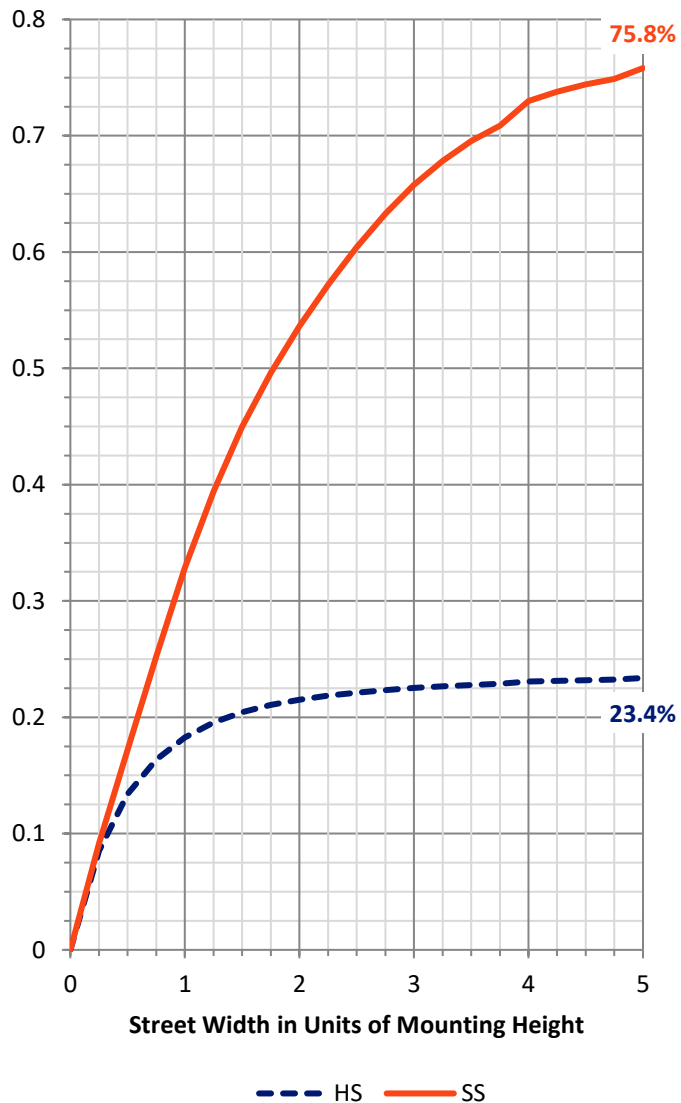
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1423.6	0.0	1423.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4558.4	0.0	4558.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	5982.0	0.0	5982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	1.3
10°-20°	217.7	3.6
20°-30°	365.6	6.1
30°-40°	568.1	9.5
40°-50°	843.3	14.1
50°-60°	1164.2	19.5
60°-70°	1412.4	23.6
70°-80°	1167.3	19.5
80°-90°	167.9	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°	5982.0	100.0
0°-180°	5982.0	100.0

Coefficient of Utilization

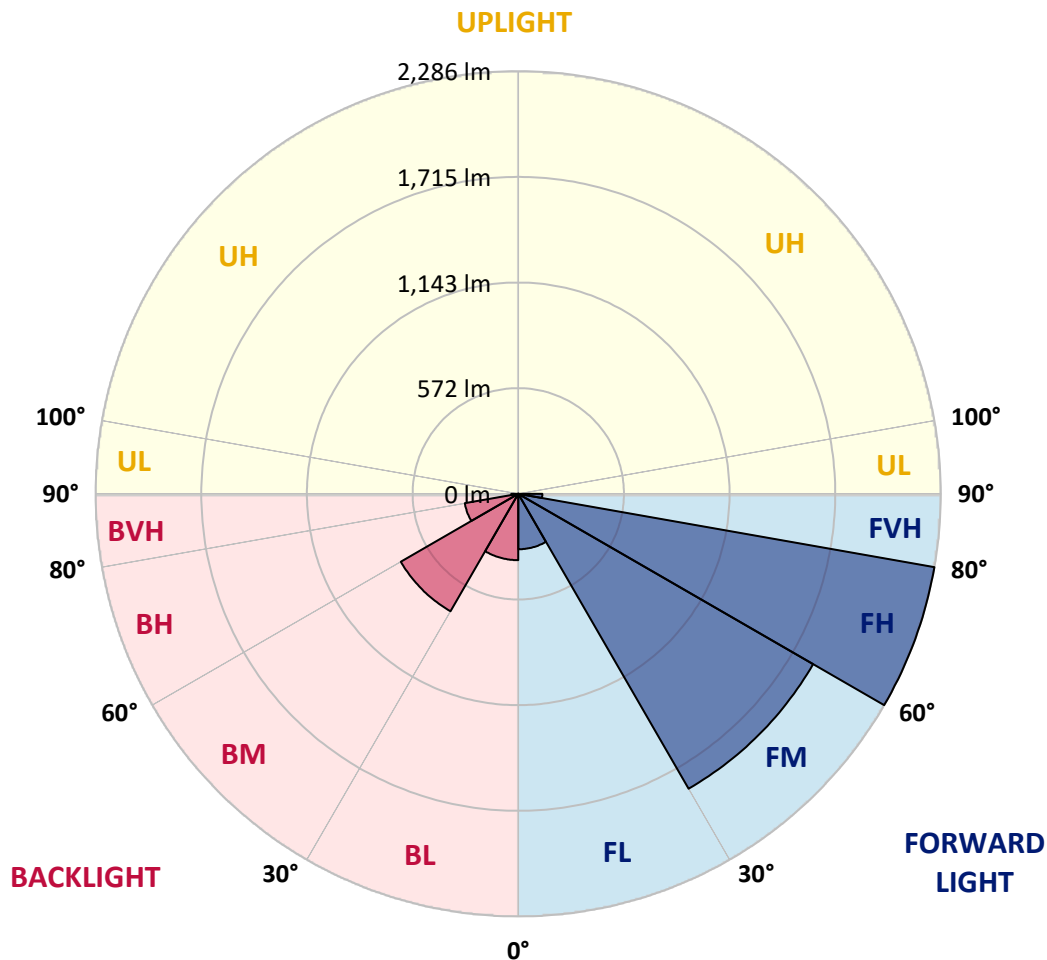


REPORT NUMBER: P852211
 CATALOG NUMBER: GLAN-SB2A-930-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.0	5.0			
FM (30°-60°)	1842.1	30.8			
FH (60°-80°)	2286.2	38.2			G2/5000
FVH (80°-90°)	130.1	2.2			G2/225
BL (0°-30°)	358.8	6.0	B1/500		
BM (30°-60°)	733.5	12.3	B1/1000		
BH (60°-80°)	293.5	4.9	B1/500		G1/500
BVH (80°-90°)	37.8	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°	797.1	797.1	797.1	797.1	797.1	797.1	797.1	797.1	797.1	797.1
2.5°	735.1	739.6	741.5	740.5	745.4	744.8	751.5	760.0	771.6	782.9
5°	678.5	683.3	687.5	691.4	700.8	703.7	714.4	730.5	751.9	773.5
7.5°	625.7	630.0	636.4	643.5	659.4	662.3	680.1	705.3	735.1	766.7
10°	582.7	586.9	593.7	601.8	621.5	625.1	647.7	681.4	720.2	760.3
12.5°	564.3	565.6	569.5	577.6	594.7	597.0	621.9	660.4	705.6	755.4
15°	563.3	565.9	566.2	570.4	584.7	585.6	608.6	646.8	696.6	754.5
17.5°	573.0	575.0	572.1	574.7	586.6	588.2	606.3	640.3	693.7	758.7
20°	598.9	600.5	591.8	588.2	597.0	598.3	616.0	644.5	696.6	767.4
22.5°	653.9	654.9	633.5	619.0	619.6	620.3	635.8	661.6	707.9	783.2
25°	739.6	738.9	705.0	676.8	660.7	657.1	667.5	689.5	727.0	804.3
27.5°	839.8	835.0	801.0	759.0	723.7	718.6	716.3	725.7	754.1	832.1
30°	953.0	948.5	911.9	857.0	808.1	799.7	778.4	773.5	794.6	869.9
32.5°	1077.2	1074.3	1030.6	964.0	898.7	889.0	853.1	840.2	856.6	927.1
35°	1181.3	1178.7	1142.5	1074.0	994.1	982.1	945.6	931.0	939.4	1000.6
37.5°	1275.4	1274.1	1243.1	1189.1	1106.6	1092.1	1051.0	1046.1	1044.5	1097.2
40°	1362.7	1359.5	1327.2	1298.7	1237.6	1224.3	1188.1	1183.9	1171.6	1216.2
42.5°	1459.4	1451.0	1404.1	1390.9	1374.4	1363.4	1341.7	1342.4	1315.2	1350.5
45°	1538.3	1533.5	1485.3	1477.5	1495.3	1490.8	1509.6	1514.4	1461.7	1491.1
47.5°	1623.1	1618.5	1577.8	1572.3	1620.5	1621.8	1688.1	1689.7	1604.6	1637.3
50°	1727.5	1721.1	1680.6	1687.4	1741.4	1746.3	1867.5	1856.5	1736.2	1785.7
52.5°	1796.4	1800.3	1791.5	1802.5	1876.3	1880.8	2044.1	2016.0	1866.6	1932.2
55°	1847.2	1854.9	1882.1	1907.3	2018.6	2023.1	2210.7	2167.6	1974.6	2068.0
57.5°	1912.5	1901.5	1952.3	2001.4	2153.7	2165.7	2372.7	2313.8	2070.3	2185.1
60°	2006.3	1998.5	2038.0	2110.7	2305.1	2324.2	2544.1	2445.4	2140.5	2277.9
62.5°	2196.4	2177.0	2183.2	2247.5	2495.9	2521.1	2737.4	2560.2	2175.4	2314.1
65°	2480.7	2447.4	2416.3	2461.0	2764.6	2789.5	2955.7	2650.5	2162.5	2244.0
67.5°	2838.7	2805.7	2767.5	2809.6	3160.4	3180.2	3225.1	2701.2	2060.6	1973.6
70°	3133.9	3121.6	3167.2	3340.2	3792.6	3793.3	3570.5	2659.2	1781.5	1399.3
72.5°	3094.8	3087.3	3327.6	3862.5	4589.5	4572.3	3897.4	2341.0	1200.1	631.2
75°	2538.9	2587.1	2959.3	3853.1	4875.7	4873.4	3697.3	1488.2	496.4	261.6
77.5°	1361.4	1437.8	1921.2	2844.8	3806.2	3863.5	2599.4	520.6	213.1	167.5
80°	444.0	510.6	765.8	1448.4	2473.2	2462.6	1114.1	204.4	145.8	118.7
82.5°	188.5	196.3	342.1	684.0	1269.3	1249.6	354.8	117.4	102.5	81.2
85°	73.7	82.5	151.0	316.3	549.8	537.8	128.1	58.2	65.6	53.0
87.5°	24.3	29.4	54.0	108.3	171.1	164.9	31.4	20.0	28.5	24.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852211
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
797.1	0°	797.1	797.1	797.1	797.1	797.1	797.1	797.1	797.1	797.1	797.1
799.4	2.5°	803.9	809.1	815.3	824.3	832.1	838.5	845.3	849.5	851.1	856.0
800.7	5°	809.8	821.1	836.3	851.1	865.7	874.4	882.2	886.1	889.6	892.2
804.3	7.5°	819.5	834.0	857.9	877.3	889.6	896.7	901.9	900.6	901.9	902.6
808.1	10°	827.9	848.2	876.7	895.1	904.5	904.8	903.5	899.0	896.7	897.1
814.0	12.5°	837.9	860.5	891.2	906.8	909.4	902.2	896.7	889.0	886.1	884.8
822.7	15°	851.5	877.3	907.1	912.9	906.4	897.4	888.0	875.4	868.9	863.8
837.6	17.5°	868.0	896.4	919.4	915.2	901.3	886.4	871.2	852.1	838.9	833.4
857.9	20°	890.9	916.5	928.8	910.3	889.3	866.7	840.8	817.5	805.2	799.7
883.8	22.5°	918.7	943.3	937.8	901.9	872.2	835.9	803.6	786.5	780.3	776.4
917.1	25°	952.0	973.1	944.3	889.6	844.0	795.2	770.3	764.8	761.9	759.0
957.9	27.5°	995.4	1006.7	949.1	871.5	800.1	751.9	742.8	743.8	742.8	738.0
1014.5	30°	1052.6	1050.4	953.7	842.1	749.6	712.7	713.4	717.6	718.2	715.0
1093.4	32.5°	1128.0	1105.0	955.9	803.9	701.4	678.5	679.1	683.6	686.9	681.4
1196.5	35°	1219.2	1168.7	952.4	756.1	664.2	645.8	640.9	642.2	643.2	638.0
1321.7	37.5°	1325.6	1240.2	936.5	703.0	633.5	613.8	603.4	594.7	589.5	584.7
1463.3	40°	1442.3	1318.1	907.4	651.3	599.2	579.8	564.3	547.8	530.4	523.9
1613.4	42.5°	1564.5	1398.3	872.2	601.8	559.8	543.9	527.4	503.5	477.3	464.1
1769.2	45°	1691.3	1480.5	837.6	553.0	519.4	512.6	493.5	464.7	436.2	419.4
1925.4	47.5°	1815.5	1558.1	786.8	503.8	481.5	489.0	474.1	447.6	415.9	389.4
2080.3	50°	1934.2	1630.8	703.7	454.0	450.8	481.8	467.6	429.5	393.2	359.3
2232.3	52.5°	2051.9	1689.7	597.3	408.8	434.3	479.9	459.2	417.2	372.9	337.3
2375.3	55°	2151.8	1720.1	494.8	370.0	410.4	463.4	449.2	402.6	344.1	306.2
2473.2	57.5°	2208.7	1695.5	409.4	331.8	377.4	436.2	432.0	371.6	309.8	280.7
2492.3	60°	2184.1	1595.9	339.6	298.5	346.0	406.8	402.3	340.8	283.6	256.1
2390.1	62.5°	2048.6	1406.1	284.3	269.4	317.6	376.7	372.5	317.2	263.6	237.0
2118.8	65°	1775.7	1143.8	241.2	245.1	288.8	340.5	346.7	297.5	247.7	221.8
1639.2	67.5°	1354.3	828.5	207.6	224.1	260.6	305.0	322.7	283.3	234.5	209.9
948.5	70°	771.9	470.5	179.2	203.7	235.7	272.0	304.3	272.0	220.2	199.9
355.4	72.5°	292.7	216.0	154.9	183.4	211.8	244.2	283.9	254.2	203.7	188.5
183.7	75°	156.2	131.6	130.3	159.4	184.3	217.0	258.4	236.7	191.4	199.2
127.1	77.5°	106.4	93.1	109.0	136.5	154.3	186.9	231.2	210.2	165.9	165.2
88.0	80°	73.7	66.0	88.6	110.0	119.3	157.2	201.8	180.4	135.2	126.1
54.3	82.5°	44.3	43.0	66.3	82.1	84.4	121.3	167.2	151.3	110.6	96.4
32.3	85°	24.3	25.5	42.4	48.2	49.2	84.7	131.0	117.1	85.1	71.5
11.6	87.5°	6.8	8.7	15.5	19.1	23.6	44.0	77.9	69.5	42.7	29.8
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°
<hr/> 797.1
855.7
892.9
903.5
897.7
884.1
865.4
833.7
799.1
777.1
759.0
738.9
716.6
684.0
641.6
587.9
526.8
465.7
418.1
386.4
356.4
333.4
303.0
276.8
252.2
232.8
217.6
206.0
197.3
185.9
205.7
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120.6
97.0
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