

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: P846576

Luminaire Tested: **GLAN-SB2B-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846576
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-SB2B-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10949 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

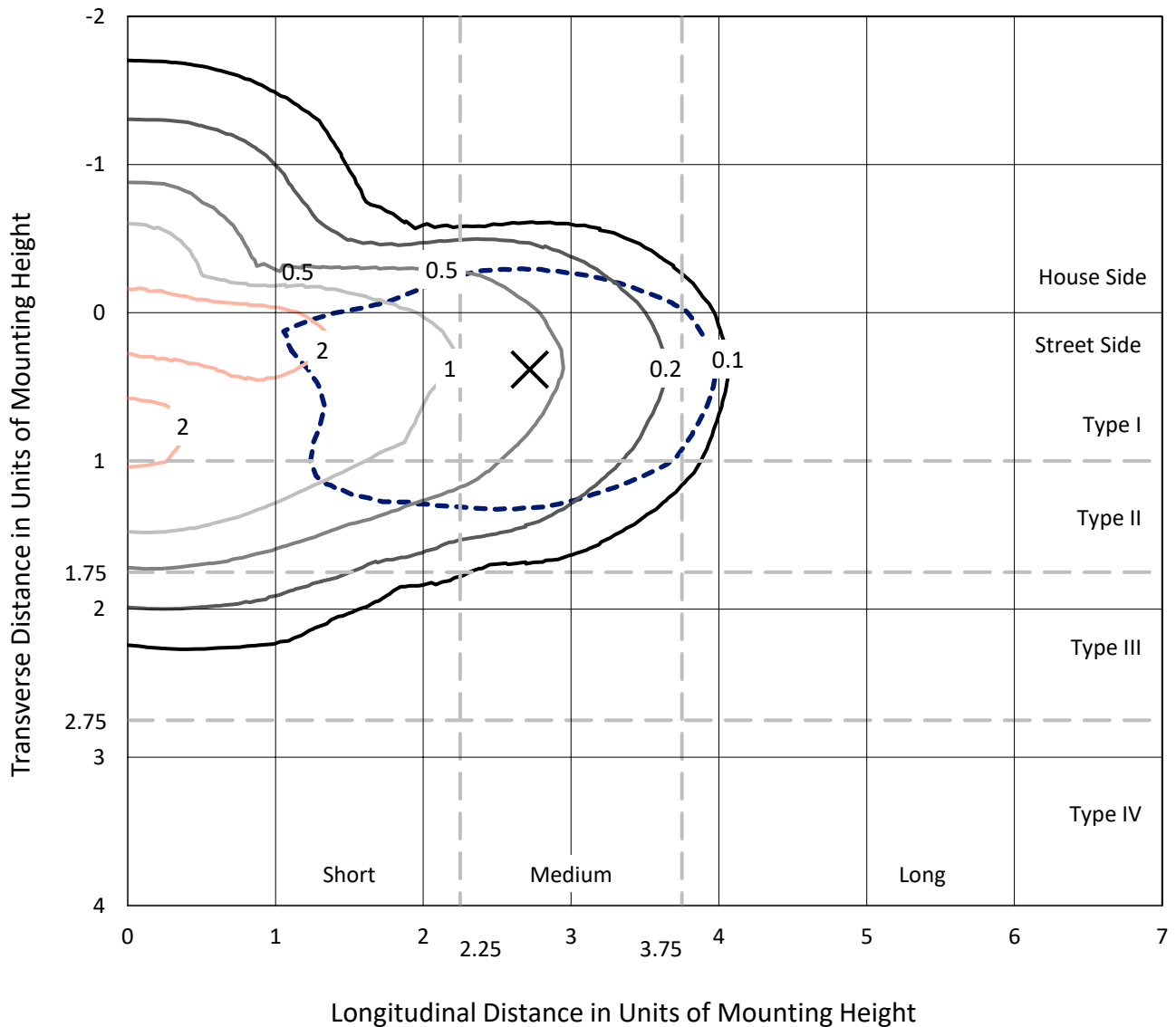
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

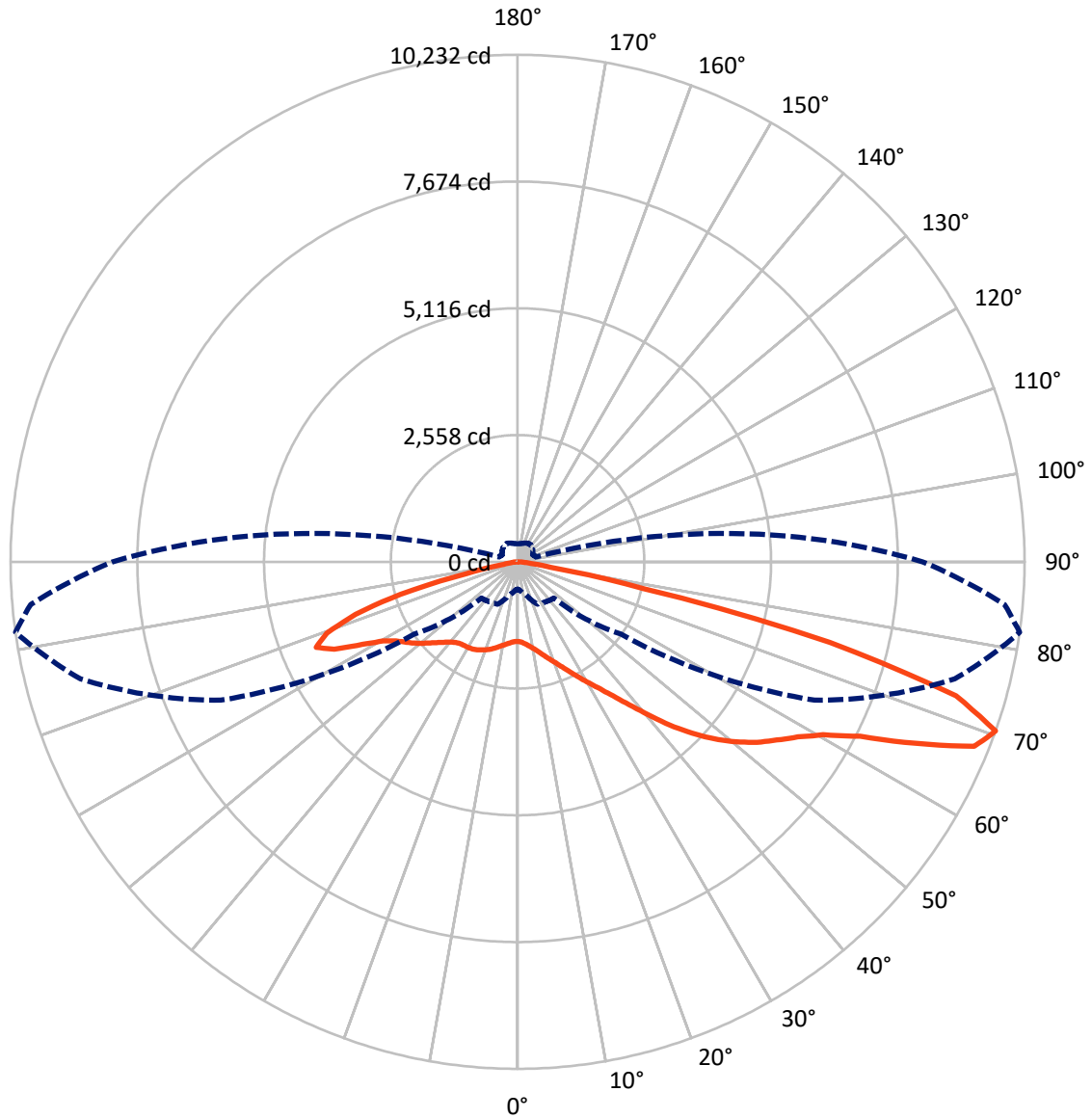
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	2699.2	0.0	2699.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8249.8	0.0	8249.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	10949.0	0.0	10949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	1.4
10°-20°	435.5	4.0
20°-30°	728.5	6.7
30°-40°	1138.1	10.4
40°-50°	1812.5	16.6
50°-60°	2522.3	23.0
60°-70°	2638.4	24.1
70°-80°	1379.0	12.6
80°-90°	143.2	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°	10949.0	100.0
0°-180°	10949.0	100.0

Coefficient of Utilization



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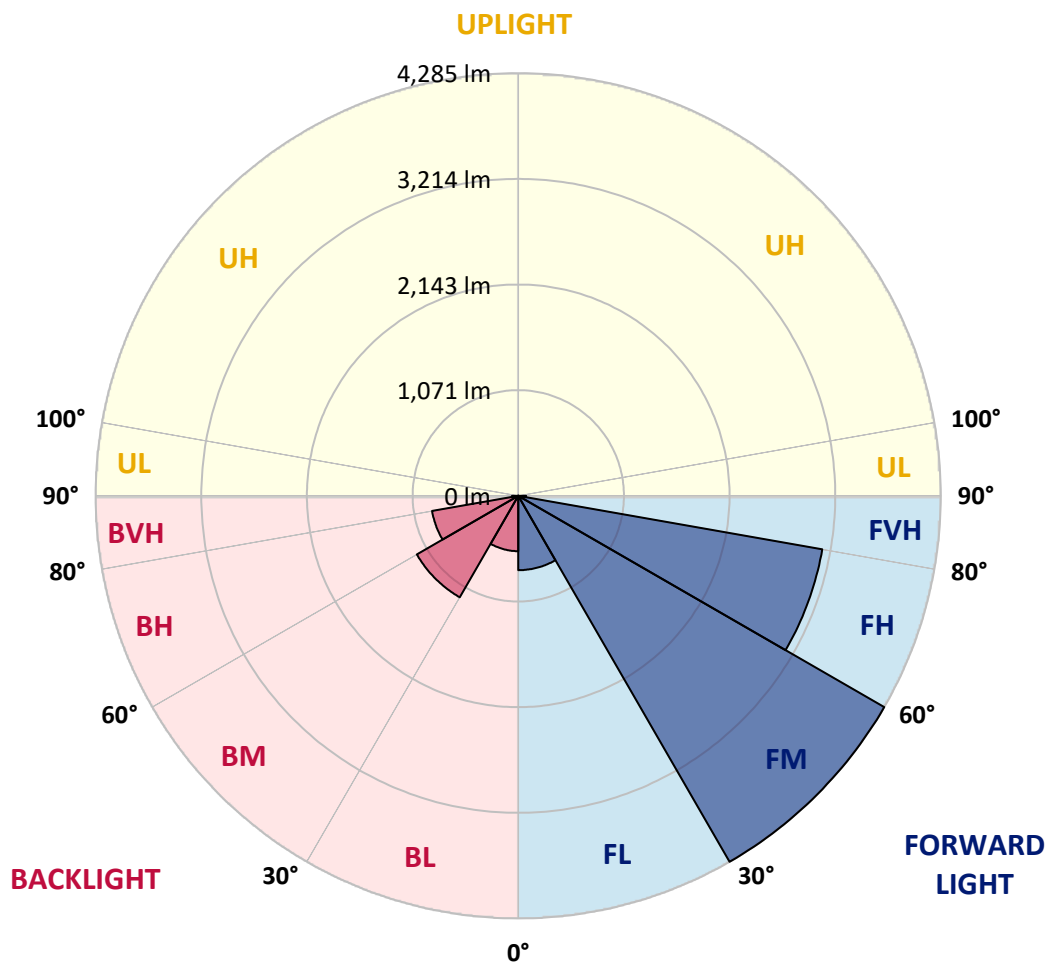
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.0	6.9			
FM (30°-60°)	4285.3	39.1			
FH (60°-80°)	3130.3	28.6			G2/5000
FVH (80°-90°)	80.2	0.7			G1/100
BL (0°-30°)	561.5	5.1	B2/1000		
BM (30°-60°)	1187.5	10.8	B2/2500		
BH (60°-80°)	887.1	8.1	B2/1000		G2/1000
BVH (80°-90°)	63.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3
2.5°	1643.6	1652.9	1650.0	1647.1	1647.1	1643.0	1642.4	1636.6	1632.0	1624.4
5°	1664.5	1674.4	1673.2	1675.6	1683.1	1684.9	1686.6	1683.1	1673.8	1664.5
7.5°	1645.9	1657.0	1660.5	1674.4	1697.6	1718.6	1734.2	1740.6	1731.9	1718.6
10°	1583.2	1595.4	1607.6	1640.7	1682.0	1731.3	1773.2	1798.1	1796.4	1783.6
12.5°	1455.9	1468.7	1494.9	1559.4	1634.9	1722.0	1799.9	1852.2	1870.2	1860.9
15°	1354.3	1365.3	1385.1	1451.3	1549.5	1682.0	1809.8	1911.4	1957.3	1952.1
17.5°	1351.4	1356.0	1368.2	1399.6	1475.1	1619.2	1799.3	1969.5	2057.3	2056.7
20°	1402.5	1404.2	1411.2	1417.6	1460.6	1571.6	1772.6	2017.8	2169.4	2169.4
22.5°	1473.4	1472.2	1479.2	1473.4	1494.3	1567.5	1755.7	2060.2	2294.3	2303.6
25°	1579.7	1573.9	1572.1	1558.8	1562.8	1605.3	1774.3	2108.4	2442.5	2461.6
27.5°	1721.5	1712.2	1705.8	1675.0	1664.5	1683.1	1831.3	2166.5	2607.5	2640.6
30°	1906.2	1889.4	1880.1	1826.6	1788.9	1791.8	1917.2	2243.8	2780.0	2833.5
32.5°	2158.4	2132.2	2107.2	2019.5	1950.4	1927.7	2028.2	2350.7	2967.1	3052.5
35°	2440.7	2419.8	2393.1	2257.7	2151.4	2099.1	2178.1	2500.0	3186.1	3321.5
37.5°	2712.6	2694.6	2707.4	2525.0	2387.8	2311.7	2374.5	2700.4	3456.3	3656.1
40°	2993.8	2979.9	2981.6	2807.3	2647.5	2562.1	2612.7	2952.0	3765.9	4054.1
42.5°	3299.4	3289.0	3254.1	3099.6	2920.0	2840.4	2886.9	3242.5	4098.3	4507.3
45°	3641.6	3635.2	3602.7	3425.5	3219.8	3130.3	3193.1	3563.2	4432.3	4933.7
47.5°	3937.3	3942.6	3938.5	3789.2	3576.0	3444.7	3519.6	3897.8	4743.2	5334.6
50°	4079.7	4107.0	4147.1	4100.6	3968.1	3834.5	3849.0	4220.9	5039.5	5710.5
52.5°	4005.3	4057.0	4166.2	4240.6	4291.7	4263.8	4224.9	4541.6	5318.3	6049.8
55°	3728.2	3800.8	3982.1	4161.6	4422.5	4625.2	4676.3	4897.1	5590.2	6348.4
57.5°	3223.3	3341.2	3503.9	3867.0	4306.3	4800.1	5202.7	5390.4	5878.4	6667.4
60°	2357.6	2515.7	2717.8	3258.2	3899.6	4706.6	5650.7	6148.0	6288.0	7080.5
62.5°	1508.8	1606.4	1792.3	2301.3	3038.5	4227.2	5787.8	7095.0	6982.3	7757.9
65°	1033.0	1095.7	1266.0	1551.8	1964.3	3146.6	5420.6	7804.9	8085.0	8831.5
67.5°	750.6	798.3	943.5	1193.9	1279.9	1862.1	4206.3	7772.4	9156.9	9937.7
70°	547.3	581.0	703.0	943.5	984.8	1035.9	2548.2	6607.0	9133.7	10231.7
72.5°	405.5	428.8	510.7	732.0	797.1	699.5	1261.3	4801.8	7848.5	9254.5
75°	293.4	310.8	371.2	560.1	637.9	532.8	629.2	2806.2	5474.6	6509.9
77.5°	224.3	237.6	277.1	410.2	510.7	399.7	390.4	1290.9	2595.8	2608.6
80°	180.1	188.8	210.3	288.7	391.6	299.2	254.5	521.1	820.4	694.3
82.5°	132.5	147.0	177.8	202.8	280.0	206.2	155.1	263.2	312.0	268.4
85°	75.5	85.4	107.5	145.2	178.9	126.1	88.9	116.8	145.2	119.1
87.5°	26.7	34.9	37.8	56.9	77.9	52.3	34.3	33.7	47.6	35.4
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°
1605.3	0°	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3	1605.3
1622.7	2.5°	1616.9	1614.0	1602.4	1586.7	1570.4	1554.7	1549.5	1538.4	1530.9
1660.5	5°	1649.4	1640.1	1612.8	1578.0	1541.4	1501.8	1474.0	1448.4	1429.8
1712.2	7.5°	1695.9	1679.6	1632.6	1571.6	1506.5	1440.8	1392.0	1354.9	1329.9
1772.6	10°	1749.9	1724.9	1652.9	1561.7	1461.2	1367.1	1309.5	1277.6	1261.9
1841.7	12.5°	1812.1	1776.7	1673.8	1539.0	1392.0	1284.6	1245.0	1235.8	1236.3
1928.9	15°	1888.8	1839.4	1690.7	1489.6	1302.0	1221.2	1214.3	1229.4	1245.0
2027.6	17.5°	1975.3	1905.6	1693.6	1408.3	1213.7	1180.6	1202.6	1235.2	1259.0
2138.0	20°	2068.3	1973.0	1672.7	1293.3	1141.1	1147.4	1187.0	1228.8	1254.9
2264.1	22.5°	2174.6	2045.1	1622.7	1172.4	1081.8	1111.4	1157.9	1198.6	1225.9
2412.2	25°	2296.1	2125.8	1544.3	1070.8	1030.7	1070.8	1117.2	1150.9	1173.0
2577.8	27.5°	2430.8	2210.1	1439.7	990.0	985.9	1028.9	1067.3	1093.4	1105.0
2753.9	30°	2566.2	2286.8	1313.0	929.0	947.0	987.7	1015.0	1026.6	1030.1
2950.2	32.5°	2712.6	2353.0	1180.0	878.4	909.8	947.6	963.9	969.1	952.8
3188.4	35°	2889.8	2423.9	1049.8	838.4	873.2	905.8	911.0	906.3	887.2
3487.1	37.5°	3108.8	2512.2	945.8	809.9	838.9	860.4	854.0	852.9	854.6
3846.1	40°	3377.3	2627.2	869.7	787.8	811.1	815.7	797.7	807.6	816.3
4240.0	42.5°	3675.3	2766.1	821.5	772.7	787.8	776.8	748.9	759.9	758.8
4635.7	45°	3979.2	2917.1	804.7	761.7	766.3	744.2	713.4	716.4	692.0
5015.1	47.5°	4281.3	3079.2	815.1	752.4	739.6	714.6	690.8	678.0	642.0
5378.8	50°	4577.6	3249.4	853.5	733.8	703.0	688.5	671.0	648.4	610.0
5722.7	52.5°	4852.4	3420.8	896.5	703.0	657.1	665.8	654.8	628.6	590.9
6048.0	55°	5112.7	3592.2	913.3	660.6	614.1	646.1	639.7	591.4	546.1
6388.5	57.5°	5396.2	3798.5	894.7	606.5	579.2	623.4	599.0	545.5	519.4
6831.8	60°	5788.9	4122.1	854.6	539.7	546.1	589.7	547.9	525.8	497.3
7496.4	62.5°	6441.4	4725.7	790.1	473.5	507.2	539.7	523.5	501.4	472.3
8632.8	65°	7405.8	5564.7	668.7	421.8	463.6	490.9	497.3	475.2	445.0
9628.7	67.5°	8219.2	6091.0	506.0	378.8	418.9	451.4	469.4	447.9	416.0
9861.6	70°	8174.5	5708.8	386.4	336.4	379.4	412.5	435.7	418.9	384.6
8957.6	72.5°	7260.6	4775.7	312.6	293.4	339.3	371.8	399.7	386.9	352.1
6562.2	75°	5334.0	3390.0	249.8	249.8	289.3	329.4	360.2	352.1	320.1
2755.0	77.5°	2248.4	1422.3	195.8	207.4	240.5	282.9	321.3	324.2	296.3
728.6	80°	597.8	392.2	149.3	163.3	188.8	233.6	279.5	278.3	248.1
270.7	82.5°	227.7	154.5	106.3	115.0	136.5	178.9	221.4	228.3	198.1
106.3	85°	87.7	66.2	65.7	69.1	79.6	118.5	167.3	173.1	149.3
29.6	87.5°	22.7	19.8	24.4	23.2	36.6	63.3	95.9	99.3	91.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
1605.3
1531.5
1419.3
1317.1
1255.5
1238.1
1252.0
1271.8
1271.8
1242.7
1188.7
1117.8
1035.9
945.3
865.7
829.6
776.8
704.7
645.5
606.0
576.9
560.1
518.2
498.5
474.7
451.4
424.1
395.1
366.0
332.3
302.1
284.7
215.5
171.4
130.7
75.5
0.0

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