

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: P848025

Luminaire Tested: **GLAN-SB4B-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10613 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

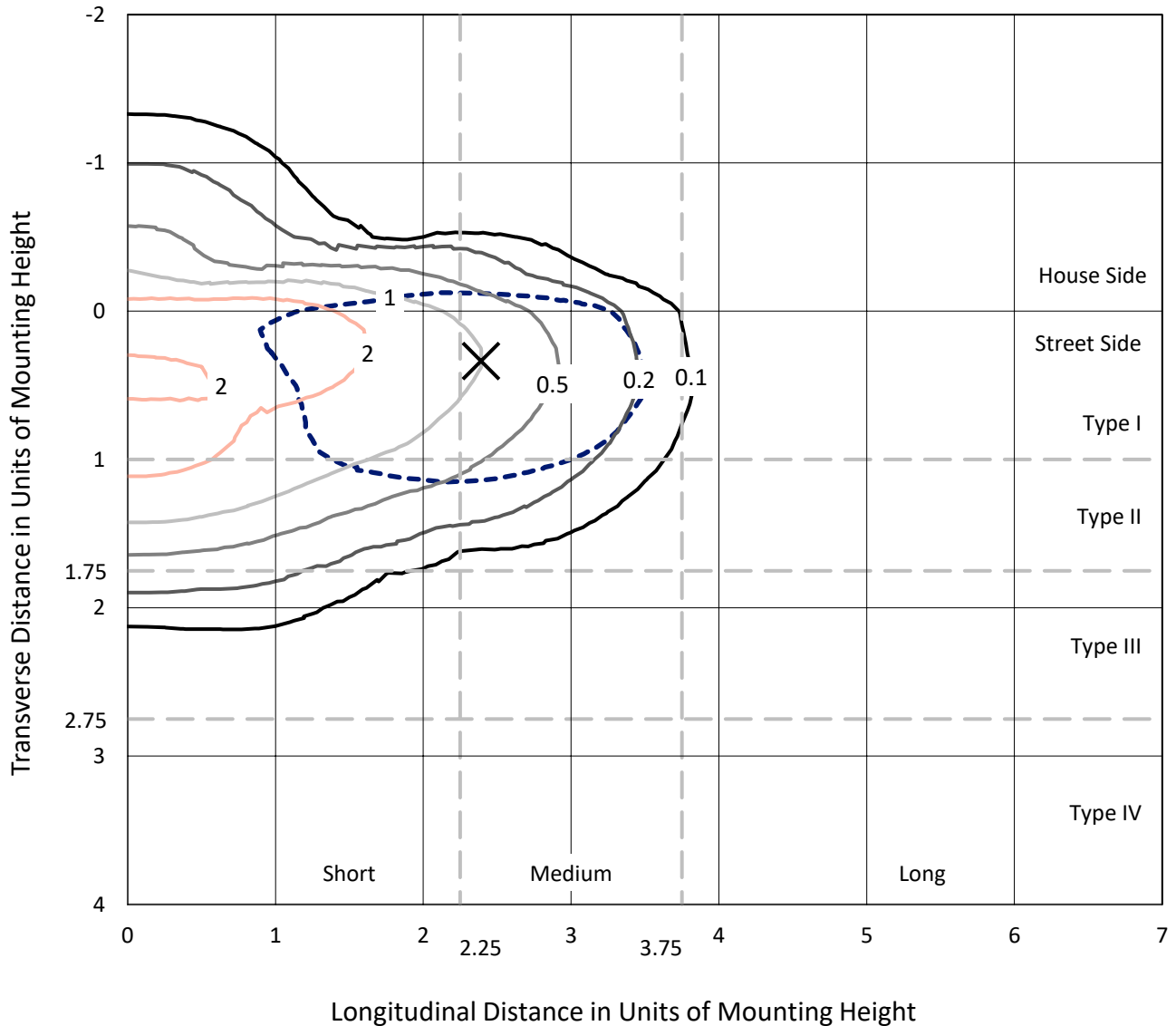
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

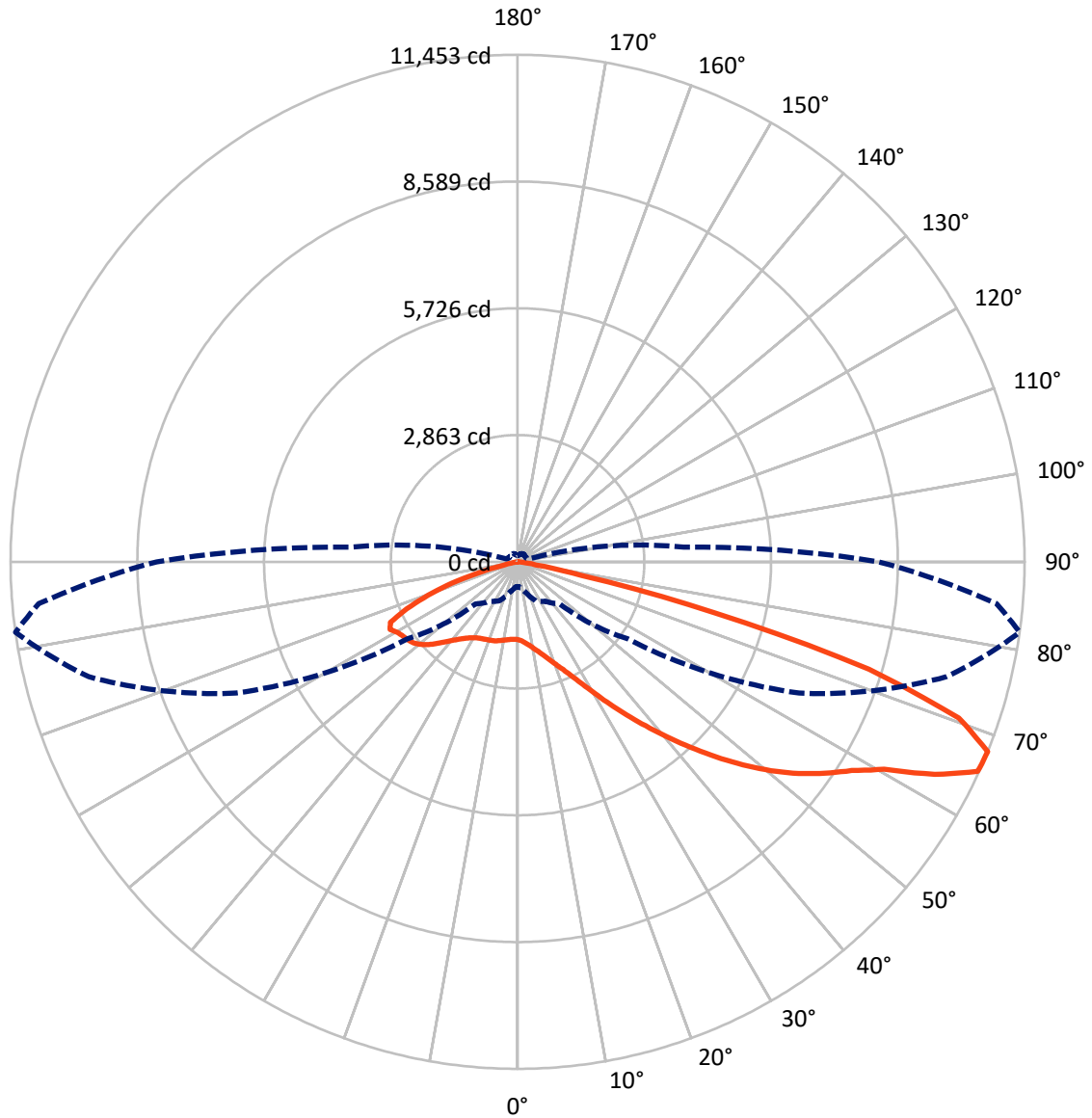
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1922.4	0.0	1922.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8690.5	0.0	8690.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	10613.0	0.0	10613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	1.5
10°-20°	407.1	3.8
20°-30°	652.0	6.1
30°-40°	1152.9	10.9
40°-50°	2020.0	19.0
50°-60°	2694.1	25.4
60°-70°	2508.0	23.6
70°-80°	962.6	9.1
80°-90°	59.8	0.6
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°	10613.0	100.0
0°-180°	10613.0	100.0

Coefficient of Utilization

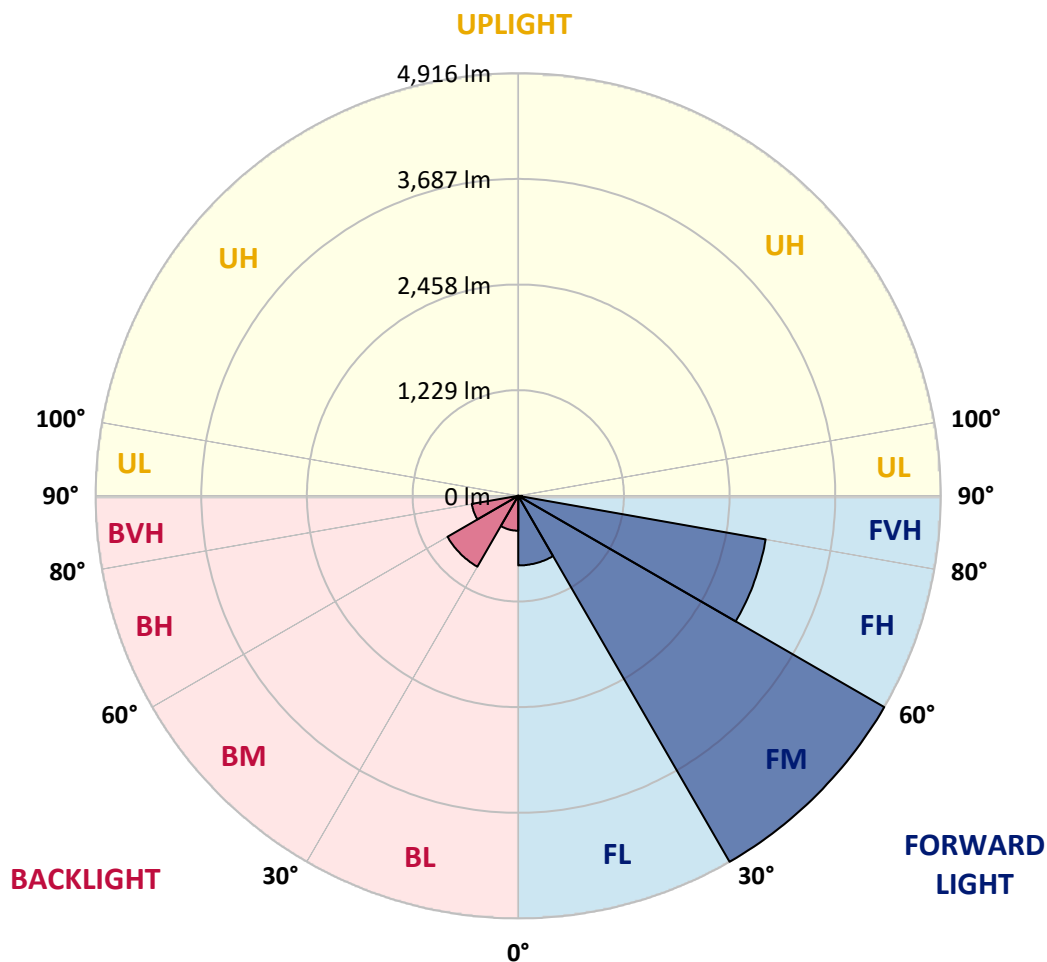


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	809.7	7.6			
FM (30°-60°)	4915.5	46.3			
FH (60°-80°)	2921.9	27.5			G2/5000
FVH (80°-90°)	43.5	0.4			G1/100
BL (0°-30°)	406.0	3.8	B1/500		
BM (30°-60°)	951.4	9.0	B1/1000		
BH (60°-80°)	548.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	16.3	0.2			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°	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2
2.5°	1858.3	1869.0	1862.9	1859.8	1854.5	1846.9	1840.7	1821.6	1801.8	1788.8
5°	1895.8	1906.5	1905.7	1908.7	1912.6	1914.9	1913.3	1891.9	1863.7	1841.5
7.5°	1863.7	1875.9	1885.8	1901.1	1927.8	1956.1	1969.9	1965.3	1936.3	1905.7
10°	1772.7	1785.7	1809.4	1845.3	1901.9	1963.0	2014.2	2037.9	2019.5	1985.9
12.5°	1606.2	1619.1	1665.8	1743.7	1838.4	1944.7	2042.5	2105.9	2110.5	2076.8
15°	1419.0	1431.9	1481.6	1579.4	1723.8	1894.2	2057.7	2177.7	2218.2	2189.2
17.5°	1302.8	1314.3	1351.7	1430.4	1580.9	1793.4	2052.4	2254.1	2346.6	2323.7
20°	1267.7	1277.6	1295.2	1350.2	1475.5	1688.7	2017.2	2325.9	2484.9	2471.9
22.5°	1305.1	1314.3	1319.6	1344.1	1422.8	1619.9	1972.9	2399.3	2645.3	2646.9
25°	1391.4	1400.6	1394.5	1409.8	1444.2	1598.5	1956.1	2485.6	2847.1	2863.9
27.5°	1533.6	1534.3	1519.8	1519.0	1524.4	1630.6	1973.7	2578.1	3101.5	3132.8
30°	1818.6	1807.1	1751.3	1691.0	1663.5	1726.9	2022.6	2687.4	3401.8	3457.6
32.5°	2257.9	2241.1	2138.7	1994.3	1849.1	1882.0	2110.5	2811.9	3728.9	3829.7
35°	2734.7	2730.2	2623.2	2408.5	2154.8	2102.8	2253.4	2975.4	4085.7	4246.2
37.5°	3177.9	3175.6	3114.5	2861.6	2552.9	2410.8	2482.6	3189.4	4467.7	4700.0
40°	3582.9	3589.8	3528.7	3302.5	2991.5	2805.8	2794.3	3453.8	4892.6	5194.4
42.5°	3932.9	3940.5	3878.6	3711.3	3424.7	3242.9	3177.2	3777.8	5307.5	5725.5
45°	4170.5	4217.9	4208.7	4075.0	3869.4	3680.7	3637.2	4184.3	5780.5	6288.6
47.5°	4237.7	4281.3	4350.1	4368.4	4243.1	4057.4	4109.4	4674.1	6258.8	6852.5
50°	4071.9	4112.4	4255.3	4445.6	4532.7	4475.4	4568.6	5199.0	6748.6	7414.9
52.5°	3744.9	3786.2	3966.5	4267.5	4622.9	4803.2	5029.4	5716.3	7223.1	7947.5
55°	3271.9	3315.5	3547.0	3887.8	4450.9	4938.4	5413.7	6232.8	7657.9	8426.6
57.5°	2628.5	2660.6	2901.3	3378.1	4018.4	4804.0	5697.2	6796.8	8067.5	8897.3
60°	1713.1	1741.4	2021.1	2552.9	3301.7	4354.7	5753.7	7425.6	8611.5	9509.3
62.5°	1139.3	1158.4	1324.2	1714.7	2325.2	3492.0	5422.9	7927.6	9409.2	10574.5
65°	781.7	800.8	966.6	1238.6	1502.2	2309.9	4471.6	7861.2	10132.1	11420.4
67.5°	557.8	573.8	714.4	971.2	1087.3	1341.8	3031.2	7011.5	10028.2	11452.5
70°	399.6	408.8	524.9	756.5	864.2	806.1	1685.6	5362.5	8780.4	10575.3
72.5°	279.7	282.7	364.5	576.1	696.1	588.4	802.3	3575.3	6640.9	8300.5
75°	189.5	193.3	245.3	422.6	558.6	449.3	424.8	1917.1	3898.5	4594.6
77.5°	116.1	117.7	158.2	288.8	418.0	342.3	273.6	812.2	1508.4	1480.8
80°	65.7	65.7	100.9	179.6	285.0	220.8	191.8	345.4	477.6	419.5
82.5°	36.7	37.4	73.4	111.6	188.7	130.7	105.4	159.7	206.3	182.6
85°	15.3	16.8	45.1	52.7	90.2	64.9	42.8	67.2	76.4	68.0
87.5°	1.5	2.3	13.8	9.9	10.7	13.0	6.1	13.0	10.7	10.7
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°
1758.2	0°	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2	1758.2
1784.2	2.5°	1769.7	1758.2	1729.2	1695.6	1651.2	1629.8	1600.8	1580.9	1564.1	1565.7
1828.5	5°	1804.1	1775.0	1710.1	1629.1	1528.2	1456.4	1380.0	1327.3	1284.5	1275.3
1889.6	7.5°	1851.4	1805.6	1691.7	1545.8	1375.4	1246.3	1130.9	1056.8	1004.0	987.2
1963.8	10°	1912.6	1846.1	1668.1	1441.1	1195.8	1031.5	907.8	849.7	813.8	801.6
2050.9	12.5°	1983.6	1892.7	1636.7	1313.5	1010.9	852.7	774.0	745.0	733.5	729.7
2157.8	15°	2073.0	1950.8	1589.3	1162.2	854.3	743.5	709.9	706.0	707.6	706.0
2286.2	17.5°	2179.2	2014.2	1512.2	1006.3	748.8	687.7	675.5	678.5	682.3	681.6
2429.9	20°	2295.4	2076.8	1413.6	868.0	677.0	648.0	641.1	644.1	647.2	645.7
2595.7	22.5°	2427.6	2144.1	1304.3	760.3	628.9	611.3	603.6	604.4	604.4	601.4
2805.8	25°	2585.7	2218.2	1189.7	683.9	592.2	578.4	569.3	566.2	561.6	552.5
3061.0	27.5°	2774.5	2296.9	1079.7	630.4	563.1	550.2	539.5	531.8	520.4	505.1
3367.4	30°	2986.9	2392.4	986.5	596.8	540.2	527.2	515.0	503.5	486.7	467.6
3719.7	32.5°	3236.8	2494.8	918.5	574.6	519.6	505.8	491.3	477.6	459.2	440.1
4115.5	35°	3534.8	2618.6	878.7	559.3	503.5	485.2	469.2	453.9	440.1	423.3
4545.7	37.5°	3858.0	2750.0	866.5	551.7	492.9	464.6	446.2	435.5	434.0	424.1
5011.0	40°	4211.8	2905.9	875.7	547.1	481.4	444.7	424.8	422.6	426.4	408.8
5508.5	42.5°	4586.2	3090.8	891.0	541.8	465.3	424.8	405.7	405.7	402.7	378.2
6034.2	45°	4991.2	3304.0	906.2	528.8	446.2	405.0	390.5	385.1	372.1	348.4
6562.9	47.5°	5399.2	3521.0	917.7	505.1	423.3	388.2	375.2	363.0	343.8	322.5
7081.8	50°	5786.6	3715.9	905.5	469.9	397.3	372.1	358.4	341.6	320.9	306.4
7573.1	52.5°	6132.7	3884.7	853.5	428.7	369.8	355.3	343.1	325.5	308.7	293.4
8016.3	55°	6433.8	4021.5	761.8	389.7	345.4	340.8	328.6	306.4	283.5	270.5
8455.6	57.5°	6722.6	4125.4	647.2	357.6	323.2	324.7	306.4	286.5	265.1	251.4
9047.8	60°	7107.0	4264.5	531.1	327.8	299.5	304.1	284.2	269.7	243.0	225.4
10063.3	62.5°	7721.3	4480.7	421.8	291.1	272.0	273.6	265.1	247.6	215.5	194.8
10816.0	65°	8208.8	4401.3	332.4	251.4	240.7	243.0	243.0	223.9	189.5	165.8
10856.5	67.5°	8153.8	3768.6	265.1	212.4	210.9	212.4	217.8	201.7	168.1	149.0
10029.7	70°	7511.2	2997.6	212.4	176.5	183.4	179.6	194.8	184.2	151.3	132.2
7775.6	72.5°	6128.9	2159.4	162.0	145.9	140.6	146.7	175.7	165.8	126.1	104.7
4118.5	75°	3581.4	1152.3	120.7	115.4	101.6	122.3	155.9	141.4	96.3	77.2
1262.3	77.5°	1166.0	401.9	88.6	84.8	75.6	98.6	133.0	119.2	78.7	61.1
369.8	80°	312.5	121.5	60.4	55.8	48.9	73.4	105.4	94.7	56.5	39.7
158.9	82.5°	125.3	51.2	35.1	31.3	26.7	50.4	83.3	76.4	42.0	25.2
49.7	85°	40.5	16.8	13.0	9.9	12.2	31.3	49.7	52.0	29.8	13.0
7.6	87.5°	5.3	2.3	2.3	3.1	2.3	5.3	15.3	14.5	8.4	1.5
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°
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1758.2
1550.4
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