

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: P846785

Luminaire Tested: **GLAN-SB2C-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846785
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-SB2C-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA 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: 8720 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

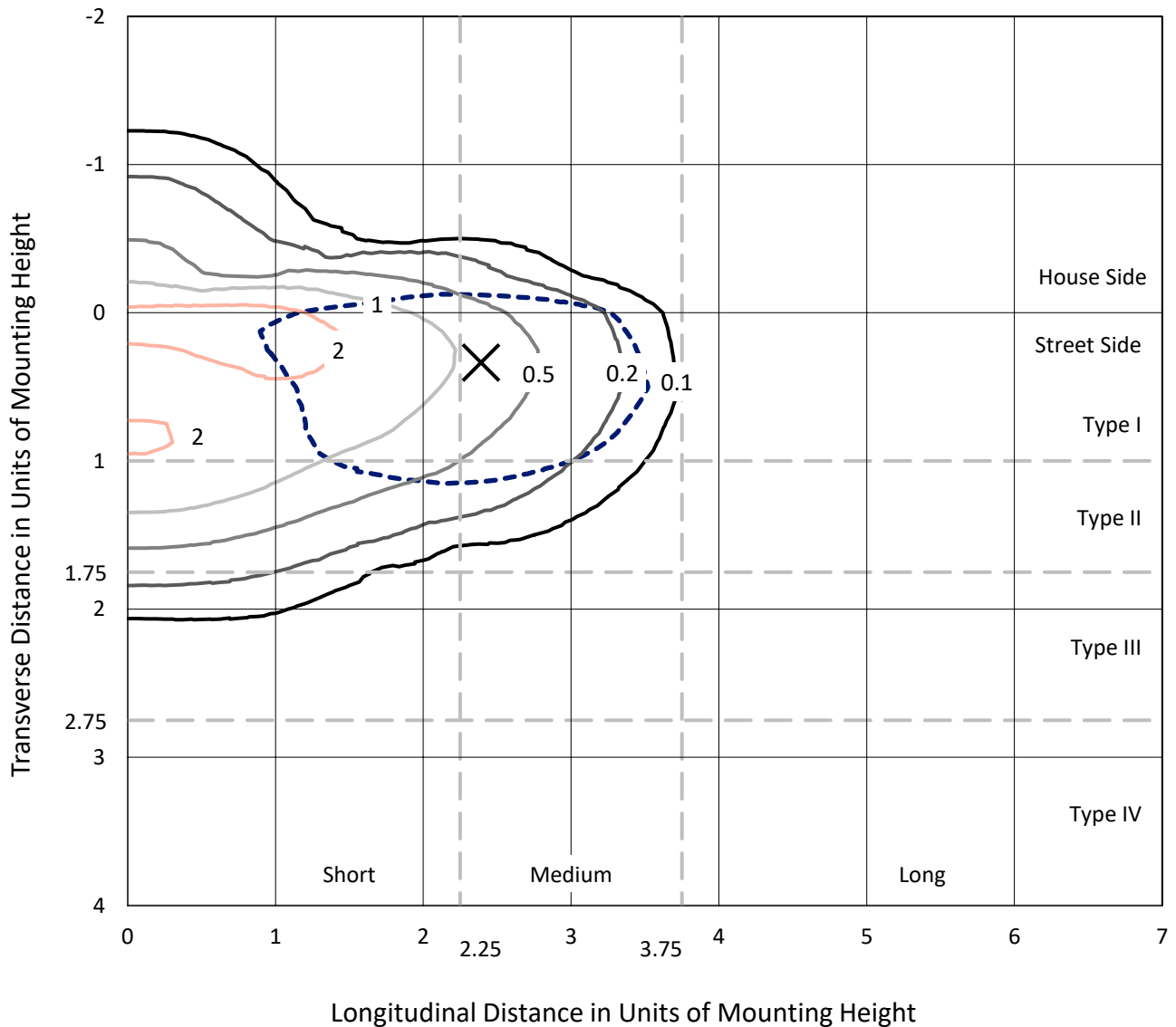
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

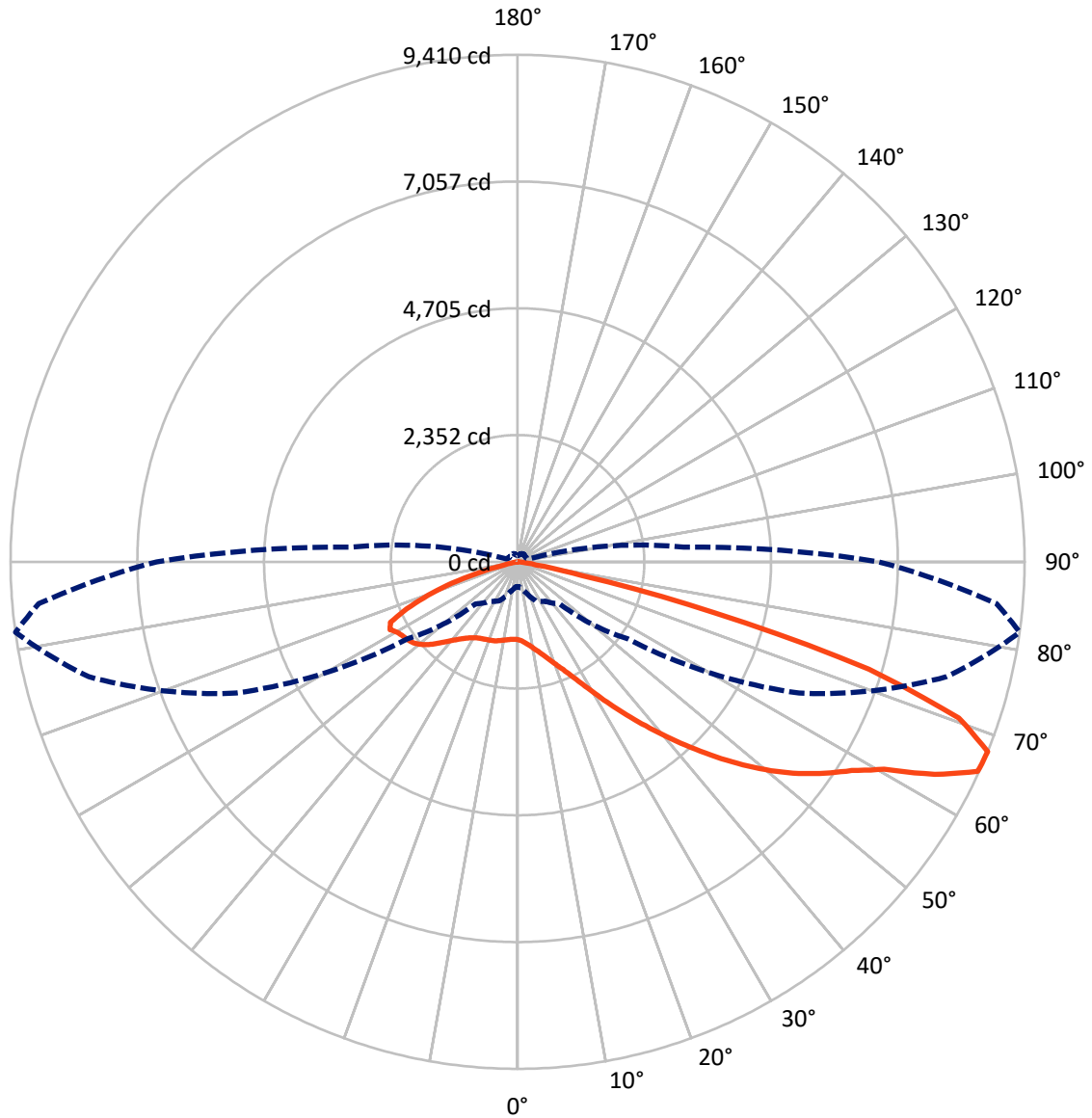
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	1579.5	0.0	1579.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7140.5	0.0	7140.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	8720.0	0.0	8720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	1.5
10°-20°	334.5	3.8
20°-30°	535.7	6.1
30°-40°	947.2	10.9
40°-50°	1659.7	19.0
50°-60°	2213.5	25.4
60°-70°	2060.7	23.6
70°-80°	790.9	9.1
80°-90°	49.1	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°	8720.0	100.0
0°-180°	8720.0	100.0

Coefficient of Utilization

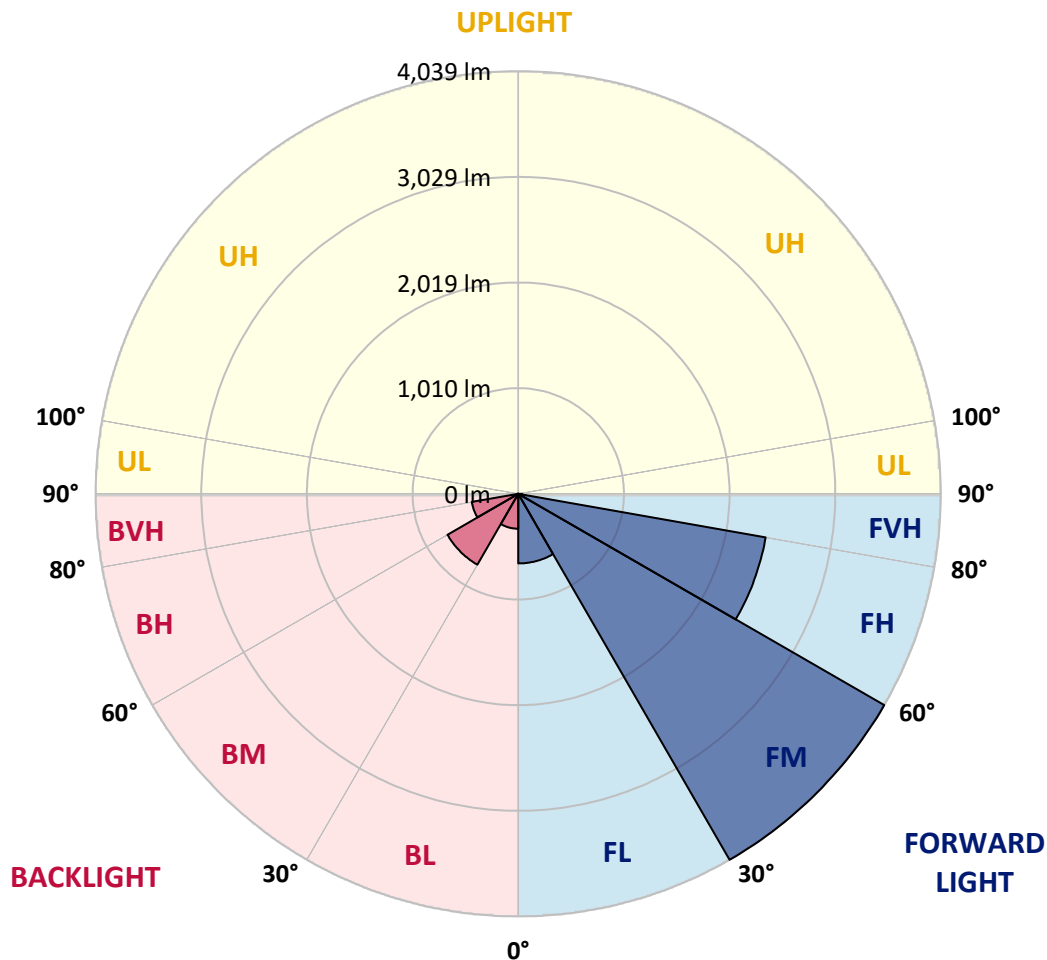


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.2	7.6			
FM (30°-60°)	4038.7	46.3			
FH (60°-80°)	2400.8	27.5			G2/5000
FVH (80°-90°)	35.7	0.4			G1/100
BL (0°-30°)	333.6	3.8	B1/500		
BM (30°-60°)	781.7	9.0	B1/1000		
BH (60°-80°)	450.8	5.2	B1/500		G1/500
BVH (80°-90°)	13.4	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6
2.5°	1526.9	1535.6	1530.6	1528.1	1523.7	1517.4	1512.4	1496.7	1480.4	1469.7
5°	1557.6	1566.4	1565.8	1568.3	1571.4	1573.3	1572.1	1554.5	1531.2	1513.0
7.5°	1531.2	1541.3	1549.5	1562.0	1584.0	1607.2	1618.5	1614.7	1590.9	1565.8
10°	1456.5	1467.2	1486.7	1516.2	1562.6	1612.9	1654.9	1674.4	1659.3	1631.7
12.5°	1319.7	1330.3	1368.6	1432.7	1510.5	1597.8	1678.2	1730.3	1734.0	1706.4
15°	1165.9	1176.5	1217.3	1297.7	1416.4	1556.4	1690.7	1789.3	1822.6	1798.7
17.5°	1070.4	1079.8	1110.6	1175.3	1299.0	1473.5	1686.3	1852.1	1928.0	1909.2
20°	1041.5	1049.7	1064.2	1109.4	1212.3	1387.5	1657.4	1911.1	2041.7	2031.0
22.5°	1072.3	1079.8	1084.2	1104.3	1169.0	1331.0	1621.0	1971.3	2173.5	2174.8
25°	1143.3	1150.8	1145.8	1158.3	1186.6	1313.4	1607.2	2042.3	2339.2	2353.1
27.5°	1260.0	1260.7	1248.7	1248.1	1252.5	1339.8	1621.7	2118.3	2548.3	2574.1
30°	1494.2	1484.8	1439.0	1389.4	1366.8	1418.9	1661.8	2208.0	2795.0	2840.9
32.5°	1855.2	1841.4	1757.3	1638.6	1519.3	1546.3	1734.0	2310.4	3063.8	3146.6
35°	2247.0	2243.2	2155.3	1978.9	1770.4	1727.8	1851.4	2444.7	3356.9	3488.8
37.5°	2611.1	2609.2	2559.0	2351.2	2097.5	1980.8	2039.8	2620.5	3670.9	3861.7
40°	2943.8	2949.5	2899.3	2713.4	2457.9	2305.3	2295.9	2837.7	4019.9	4267.9
42.5°	3231.4	3237.7	3186.8	3049.3	2813.9	2664.5	2610.5	3103.9	4360.8	4704.2
45°	3426.6	3465.6	3458.0	3348.2	3179.3	3024.2	2988.4	3437.9	4749.4	5166.9
47.5°	3481.9	3517.7	3574.2	3589.2	3486.3	3333.7	3376.4	3840.4	5142.5	5630.3
50°	3345.6	3378.9	3496.3	3652.6	3724.2	3677.1	3753.7	4271.7	5544.9	6092.3
52.5°	3076.9	3110.8	3259.0	3506.4	3798.3	3946.5	4132.3	4696.7	5934.8	6529.9
55°	2688.3	2724.1	2914.3	3194.3	3657.0	4057.6	4448.1	5121.1	6292.0	6923.6
57.5°	2159.7	2186.1	2383.8	2775.6	3301.7	3947.1	4681.0	5584.4	6628.5	7310.3
60°	1407.6	1430.8	1660.6	2097.5	2712.8	3577.9	4727.5	6101.1	7075.5	7813.2
62.5°	936.1	951.8	1088.0	1408.8	1910.4	2869.1	4455.6	6513.6	7730.9	8688.4
65°	642.3	658.0	794.2	1017.7	1234.3	1897.9	3674.0	6459.0	8324.9	9383.4
67.5°	458.3	471.5	587.0	798.0	893.4	1102.4	2490.6	5760.9	8239.5	9409.7
70°	328.3	335.9	431.3	621.5	710.1	662.3	1385.0	4406.0	7214.3	8689.0
72.5°	229.8	232.3	299.5	473.4	571.9	483.4	659.2	2937.6	5456.4	6820.0
75°	155.7	158.8	201.5	347.2	458.9	369.2	349.1	1575.2	3203.1	3775.1
77.5°	95.4	96.7	130.0	237.3	343.4	281.3	224.8	667.4	1239.3	1216.7
80°	54.0	54.0	82.9	147.5	234.2	181.4	157.6	283.8	392.4	344.7
82.5°	30.1	30.8	60.3	91.7	155.1	107.4	86.6	131.2	169.5	150.0
85°	12.6	13.8	37.0	43.3	74.1	53.4	35.2	55.2	62.8	55.9
87.5°	1.3	1.9	11.3	8.2	8.8	10.7	5.0	10.7	8.8	8.8
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°
1444.6	0°	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6	1444.6
1466.0	2.5°	1454.0	1444.6	1420.8	1393.1	1356.7	1339.1	1315.3	1299.0	1285.1	1286.4
1502.4	5°	1482.3	1458.4	1405.1	1338.5	1255.6	1196.6	1133.8	1090.5	1055.4	1047.8
1552.6	7.5°	1521.2	1483.5	1390.0	1270.1	1130.1	1024.0	929.2	868.3	825.0	811.1
1613.5	10°	1571.4	1516.8	1370.5	1184.1	982.5	847.6	745.8	698.1	668.6	658.6
1685.1	12.5°	1629.8	1555.1	1344.8	1079.2	830.6	700.6	636.0	612.1	602.7	599.6
1773.0	15°	1703.3	1602.8	1305.9	954.9	701.9	610.9	583.2	580.1	581.4	580.1
1878.4	17.5°	1790.5	1654.9	1242.5	826.8	615.3	565.0	555.0	557.5	560.6	560.0
1996.5	20°	1886.0	1706.4	1161.5	713.2	556.2	532.4	526.7	529.3	531.8	530.5
2132.7	22.5°	1994.6	1761.7	1071.7	624.7	516.7	502.3	496.0	496.6	496.6	494.1
2305.3	25°	2124.5	1822.6	977.5	561.9	486.6	475.3	467.7	465.2	461.4	453.9
2515.0	27.5°	2279.6	1887.2	887.1	517.9	462.7	452.0	443.2	437.0	427.5	415.0
2766.8	30°	2454.1	1965.7	810.5	490.3	443.9	433.2	423.1	413.7	399.9	384.2
3056.2	32.5°	2659.4	2049.8	754.6	472.1	426.9	415.6	403.7	392.4	377.3	361.6
3381.4	35°	2904.3	2151.5	722.0	459.6	413.7	398.7	385.5	372.9	361.6	347.8
3734.9	37.5°	3169.9	2259.5	711.9	453.3	404.9	381.7	366.6	357.9	356.6	348.4
4117.2	40°	3460.5	2387.6	719.5	449.5	395.5	365.4	349.1	347.2	350.3	335.9
4525.9	42.5°	3768.2	2539.5	732.0	445.1	382.3	349.1	333.4	333.4	330.9	310.8
4957.9	45°	4100.9	2714.7	744.6	434.4	366.6	332.7	320.8	316.4	305.7	286.3
5392.3	47.5°	4436.2	2893.0	754.0	415.0	347.8	318.9	308.3	298.2	282.5	264.9
5818.6	50°	4754.5	3053.1	744.0	386.1	326.5	305.7	294.4	280.6	263.7	251.8
6222.3	52.5°	5038.9	3191.8	701.3	352.2	303.9	291.9	281.9	267.5	253.6	241.1
6586.4	55°	5286.2	3304.2	625.9	320.2	283.8	280.0	270.0	251.8	232.9	222.2
6947.4	57.5°	5523.5	3389.6	531.8	293.8	265.6	266.8	251.8	235.4	217.9	206.6
7434.0	60°	5839.3	3503.9	436.3	269.3	246.1	249.9	233.5	221.6	199.6	185.2
8268.4	62.5°	6344.1	3681.5	346.6	239.2	223.5	224.8	217.9	203.4	177.0	160.1
8886.8	65°	6744.6	3616.2	273.1	206.6	197.8	199.6	199.6	184.0	155.7	136.2
8920.0	67.5°	6699.4	3096.4	217.9	174.5	173.3	174.5	178.9	165.7	138.1	122.4
8240.7	70°	6171.4	2462.9	174.5	145.0	150.7	147.5	160.1	151.3	124.3	108.6
6388.7	72.5°	5035.7	1774.2	133.1	119.9	115.5	120.5	144.4	136.2	103.6	86.0
3383.9	75°	2942.6	946.7	99.2	94.8	83.5	100.5	128.1	116.1	79.1	63.4
1037.2	77.5°	958.1	330.2	72.8	69.7	62.2	81.0	109.2	97.9	64.7	50.2
303.9	80°	256.8	99.8	49.6	45.8	40.2	60.3	86.6	77.8	46.5	32.6
130.6	82.5°	103.0	42.1	28.9	25.7	22.0	41.4	68.4	62.8	34.5	20.7
40.8	85°	33.3	13.8	10.7	8.2	10.0	25.7	40.8	42.7	24.5	10.7
6.3	87.5°	4.4	1.9	1.9	2.5	1.9	4.4	12.6	11.9	6.9	1.3
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°
1444.6
1273.8
1030.9
797.3
651.0
597.7
579.5
558.8
529.9
492.8
452.7
413.7
383.0
362.3
346.6
347.8
336.5
310.8
285.7
264.3
249.9
239.8
221.0
205.3
183.3
158.8
134.4
119.9
106.7
84.1
61.5
48.3
32.0
20.7
8.2
0.0
0.0

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