

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: P947154

Luminaire Tested: **GLAN-SB2C-830-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-830-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13707 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

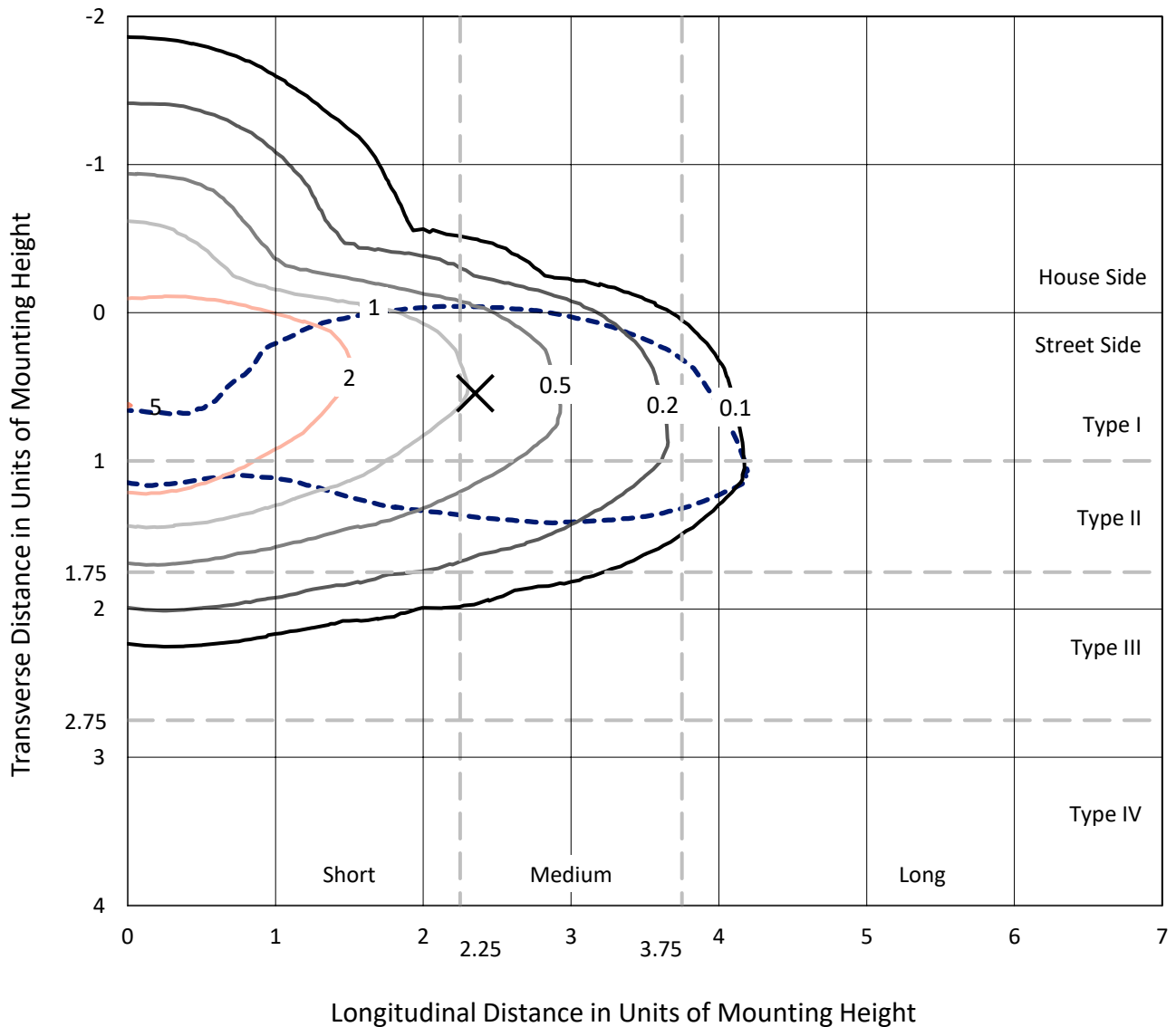
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

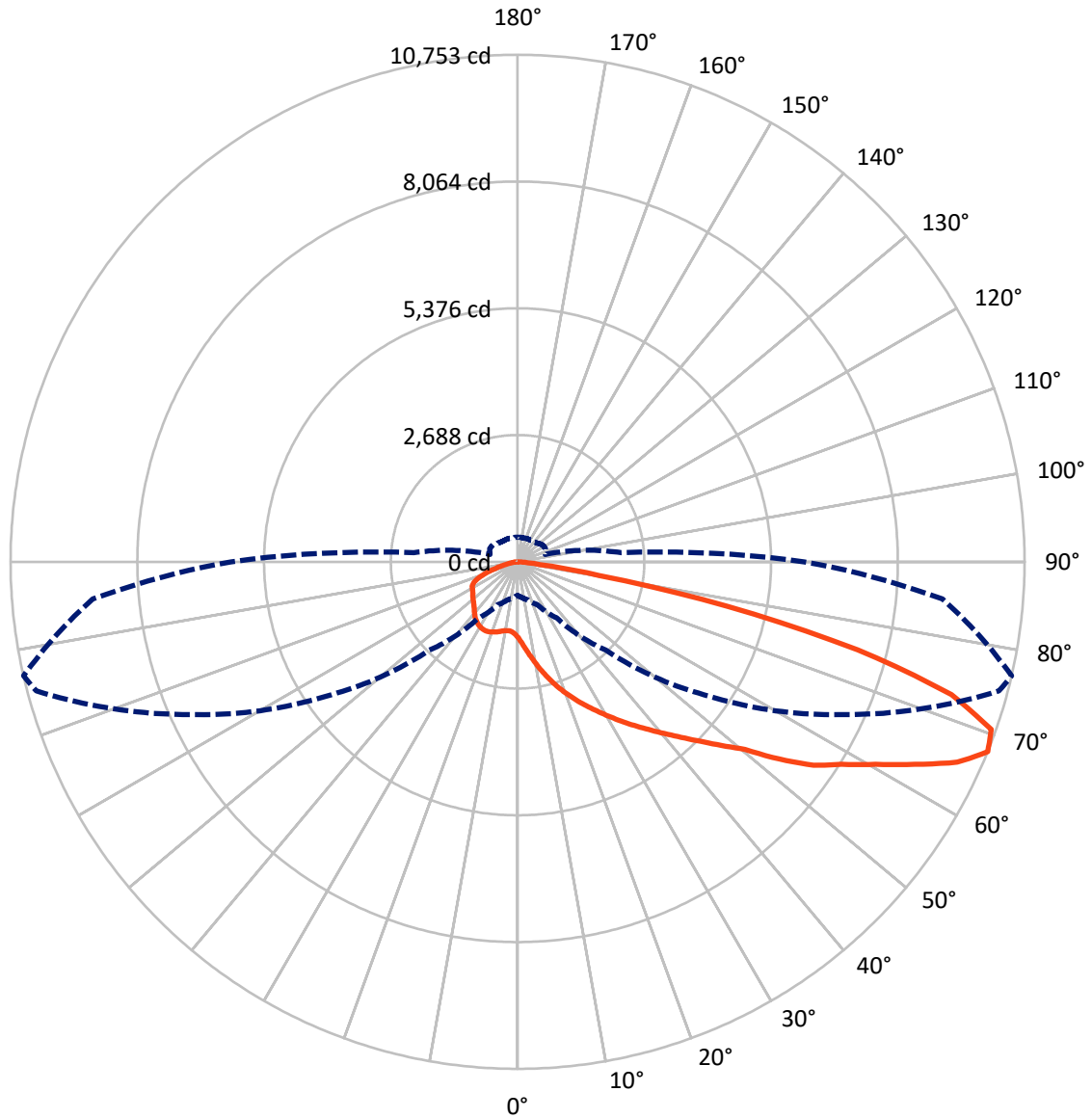
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2592.8	0.0	2592.8
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	11114.2	0.0	11114.2
	% Fixture	81.1	0.0	81.1
Total	Lumens	13707.0	0.0	13707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	1.3
10°-20°	619.3	4.5
20°-30°	1169.3	8.5
30°-40°	1883.7	13.7
40°-50°	2576.6	18.8
50°-60°	2906.4	21.2
60°-70°	2712.8	19.8
70°-80°	1487.1	10.8
80°-90°	179.4	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°	13707.0	100.0
0°-180°	13707.0	100.0

Coefficient of Utilization

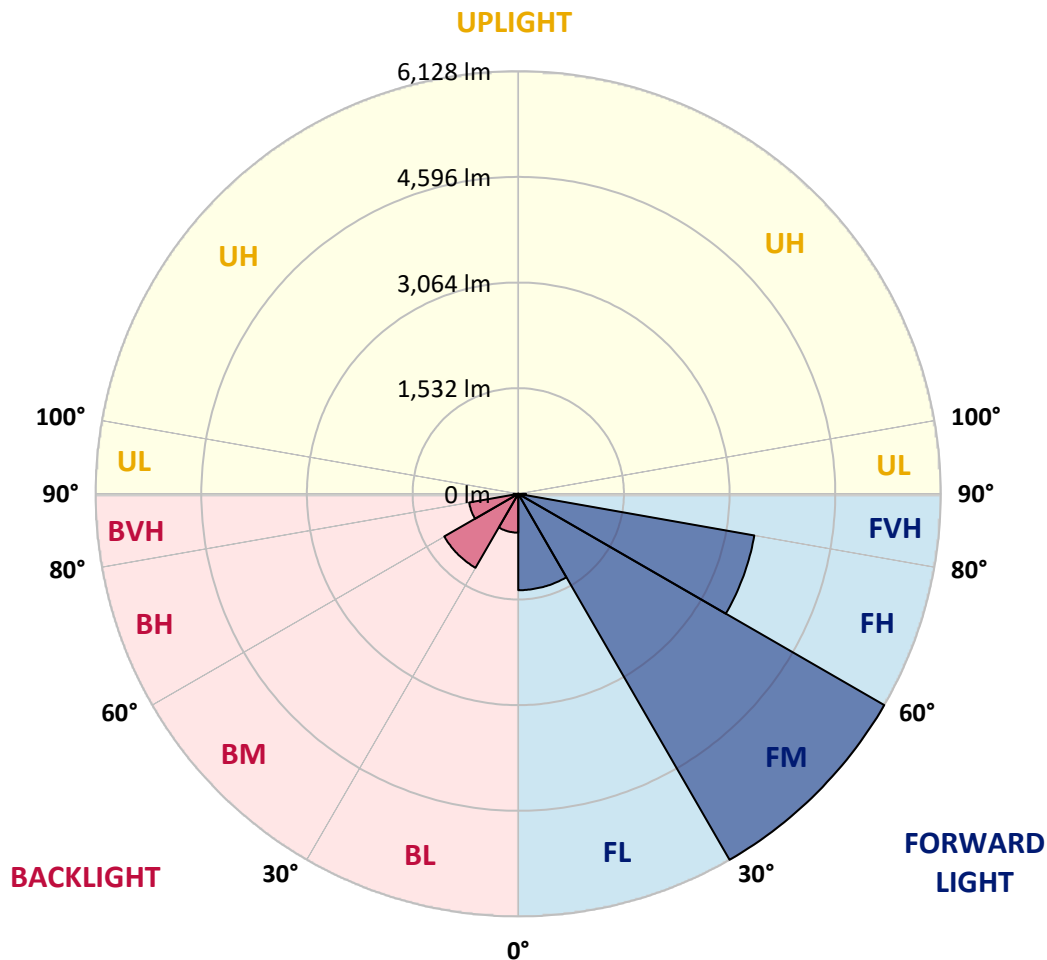


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1397.3	10.2			
FM (30°-60°)	6128.2	44.7			
FH (60°-80°)	3476.5	25.4			G2/5000
FVH (80°-90°)	112.2	0.8			G2/225
BL (0°-30°)	563.7	4.1	B2/1000		
BM (30°-60°)	1238.5	9.0	B2/2500		
BH (60°-80°)	723.4	5.3	B2/1000		G2/1000
BVH (80°-90°)	67.2	0.5			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°	77°
0°	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3
2.5°	2013.7	2027.8	2010.1	2010.1	1950.7	1919.6	1860.1	1814.9	1733.5	1719.3
5°	2380.2	2397.9	2373.1	2362.5	2292.5	2228.1	2128.3	2030.0	1884.9	1870.0
7.5°	2663.9	2686.6	2664.6	2653.3	2591.0	2518.9	2402.1	2264.9	2060.4	2031.4
10°	2895.3	2898.8	2891.7	2896.0	2847.2	2787.7	2668.2	2508.3	2252.8	2213.2
12.5°	3026.2	3042.5	3056.6	3082.1	3073.6	3036.8	2929.2	2738.2	2456.6	2405.7
15°	3087.7	3116.0	3147.9	3206.6	3254.0	3263.2	3181.1	2985.1	2663.9	2602.4
17.5°	3109.7	3136.6	3186.8	3271.7	3373.6	3442.2	3405.4	3225.0	2869.1	2798.4
20°	3220.8	3228.5	3259.0	3339.6	3450.0	3563.9	3591.5	3455.7	3072.2	2992.2
22.5°	3458.5	3442.9	3451.4	3488.2	3567.5	3677.8	3740.8	3659.4	3280.9	3188.9
25°	3851.2	3805.9	3760.6	3718.2	3758.5	3820.8	3892.2	3863.2	3499.5	3382.8
27.5°	4347.2	4292.0	4192.2	4052.8	4004.0	4025.9	4057.8	4052.1	3701.9	3583.7
30°	4835.4	4771.0	4652.1	4450.5	4321.7	4263.7	4239.6	4223.4	3921.9	3796.0
32.5°	5225.2	5174.3	5057.6	4831.8	4645.1	4546.0	4466.0	4408.0	4151.9	4025.9
35°	5566.3	5518.9	5385.1	5138.9	4935.9	4830.4	4725.7	4601.9	4391.0	4263.7
37.5°	5877.6	5830.2	5646.9	5390.8	5186.3	5113.5	5020.1	4809.9	4630.9	4510.6
40°	6074.3	6063.7	5892.5	5602.4	5390.1	5354.0	5322.9	5051.2	4896.9	4785.1
42.5°	6124.5	6147.9	6012.0	5773.6	5571.2	5542.2	5615.1	5324.3	5195.5	5088.7
45°	6003.5	6070.8	5981.6	5819.6	5700.0	5684.4	5874.1	5622.9	5526.0	5428.3
47.5°	5697.2	5811.1	5774.3	5751.7	5734.7	5801.9	6101.9	5939.9	5900.2	5815.3
50°	5078.8	5294.6	5359.0	5501.9	5666.0	5893.2	6309.2	6285.9	6337.5	6251.9
52.5°	4009.7	4306.8	4680.4	5038.5	5455.2	5862.7	6537.0	6782.6	7000.5	6953.8
55°	3309.9	3443.6	3730.9	4387.5	5046.2	5734.7	6639.6	7183.7	7658.5	7616.8
57.5°	2772.2	2891.7	3068.6	3617.0	4427.8	5443.9	6703.3	7428.5	8109.2	8105.0
60°	2195.5	2322.2	2503.3	2891.7	3705.4	4941.5	6689.2	7707.3	8684.4	8719.8
62.5°	1544.6	1684.0	1884.9	2247.2	2967.5	4290.6	6400.5	7909.0	9361.6	9457.8
65°	1015.3	1107.3	1258.7	1571.5	2211.1	3453.5	5849.3	7935.2	10086.1	10248.8
67.5°	711.8	747.2	836.3	1006.1	1457.5	2648.4	4971.2	7664.2	10569.4	10752.6
70°	555.4	573.1	618.4	686.3	915.6	1780.9	3809.4	6959.4	10466.1	10657.1
72.5°	479.7	496.7	513.7	522.2	614.2	1099.5	2580.4	5818.9	9493.2	9622.7
75°	435.1	439.4	453.5	450.7	468.4	713.2	1489.4	4239.6	7490.1	7445.5
77.5°	365.8	371.5	394.8	391.3	416.0	487.5	773.4	2736.1	4855.9	4553.1
80°	309.9	312.7	338.2	334.0	361.6	353.1	394.8	1394.6	2059.7	1744.8
82.5°	107.5	133.0	258.3	266.0	275.9	213.7	227.8	568.9	629.0	481.8
85°	52.4	55.9	131.6	186.8	186.1	107.5	111.1	203.1	198.1	155.7
87.5°	8.5	10.6	15.6	72.9	58.0	28.3	38.2	39.6	41.0	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°
1608.3	0°	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3
1665.6	2.5°	1625.9	1590.6	1516.3	1447.6	1393.9	1342.2	1313.2	1288.4	1274.3	1271.5
1743.4	5°	1669.8	1596.9	1461.8	1347.9	1273.6	1218.4	1189.4	1171.0	1161.8	1156.1
1848.1	7.5°	1732.8	1625.9	1433.5	1304.0	1226.2	1186.6	1171.7	1168.9	1168.2	1168.9
1974.8	10°	1819.8	1673.4	1430.7	1293.4	1228.3	1206.4	1205.7	1206.4	1209.2	1209.9
2112.7	12.5°	1913.9	1722.2	1442.0	1302.6	1255.2	1243.2	1241.0	1240.3	1242.5	1243.9
2252.1	15°	2016.5	1786.6	1461.1	1322.4	1284.9	1272.2	1270.0	1265.8	1265.1	1264.4
2398.6	17.5°	2121.9	1850.2	1482.3	1343.6	1304.0	1286.3	1278.5	1268.6	1260.9	1258.7
2550.0	20°	2228.8	1913.2	1497.2	1354.2	1305.4	1280.7	1265.1	1248.1	1234.7	1226.9
2702.8	22.5°	2342.7	1979.0	1506.4	1351.4	1292.7	1258.7	1230.4	1210.6	1190.1	1176.7
2857.1	25°	2453.8	2036.3	1505.7	1336.6	1267.9	1224.8	1188.7	1163.2	1134.9	1120.8
3016.3	27.5°	2560.6	2088.0	1488.0	1310.4	1232.5	1184.4	1141.3	1110.9	1083.3	1069.8
3176.9	30°	2671.0	2131.1	1460.4	1272.2	1190.8	1137.7	1090.3	1064.2	1039.4	1026.7
3346.7	32.5°	2780.7	2170.8	1421.5	1224.8	1142.7	1091.7	1045.0	1021.0	1006.1	1006.1
3529.3	35°	2896.7	2198.4	1369.8	1169.6	1091.7	1042.9	1006.1	992.0	990.6	982.1
3722.4	37.5°	3019.1	2216.0	1306.8	1113.0	1041.5	995.5	984.2	967.2	953.1	934.7
3934.7	40°	3147.9	2233.7	1231.1	1054.2	988.4	963.0	958.0	935.4	895.0	849.8
4175.2	42.5°	3304.2	2245.8	1152.6	995.5	932.5	924.1	931.1	892.2	827.8	793.9
4465.3	45°	3485.4	2265.6	1080.4	937.5	875.2	875.2	905.0	854.0	800.9	779.7
4796.5	47.5°	3720.3	2311.6	1013.2	873.8	822.2	836.3	846.9	808.0	778.3	752.1
5199.8	50°	4059.9	2421.9	943.9	809.4	781.8	810.1	795.3	772.6	738.0	716.7
5840.8	52.5°	4481.6	2487.0	882.3	751.4	747.2	775.5	754.2	733.0	706.8	678.5
6326.9	55°	4768.9	2499.1	830.7	709.0	723.8	721.0	713.2	694.1	680.0	642.5
6806.6	57.5°	5090.1	2523.1	788.2	683.5	709.0	677.8	675.0	658.7	640.3	614.9
7391.8	60°	5474.3	2560.6	751.4	673.6	696.2	649.5	635.4	629.0	610.6	597.9
8095.8	62.5°	5893.2	2594.6	713.9	675.0	681.4	621.9	600.7	598.6	587.3	583.0
8756.6	65°	6179.0	2501.9	667.2	673.6	658.0	593.6	566.7	566.0	556.8	555.4
9043.2	67.5°	6079.3	2208.3	604.2	653.8	634.0	565.3	535.6	532.8	520.8	521.5
8743.9	70°	5579.7	1789.4	517.2	605.0	604.2	539.9	503.1	493.9	477.6	480.4
7602.6	72.5°	4642.9	1325.9	400.5	523.6	556.8	516.5	465.6	450.7	430.2	433.0
5612.3	75°	3353.1	901.4	291.5	398.3	484.7	488.9	428.8	403.3	378.5	382.8
3123.8	77.5°	1715.8	510.8	214.4	274.5	380.7	444.3	395.5	361.6	355.9	395.5
900.7	80°	559.7	256.1	148.6	192.5	249.8	363.7	346.7	307.8	306.4	315.6
188.9	82.5°	167.0	108.3	95.5	126.7	138.0	278.8	299.3	232.8	200.2	210.8
63.0	85°	57.3	52.4	54.5	63.0	65.8	163.4	209.4	154.2	145.8	160.6
14.2	87.5°	13.4	18.4	15.6	14.2	14.2	39.6	81.4	64.4	89.2	59.4
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°
1608.3
1271.5
1155.4
1171.0
1210.6
1244.6
1263.7
1260.9
1229.7
1177.4
1120.8
1069.1
1025.9
1006.8
980.0
931.8
843.4
794.6
783.3
751.4
714.6
672.9
643.2
606.4
601.4
583.0
554.7
521.5
483.3
432.3
384.2
389.9
271.0
217.9
158.5
57.3
0.0

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