

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: P852312

Luminaire Tested: **GLAN-SB2D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10395 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

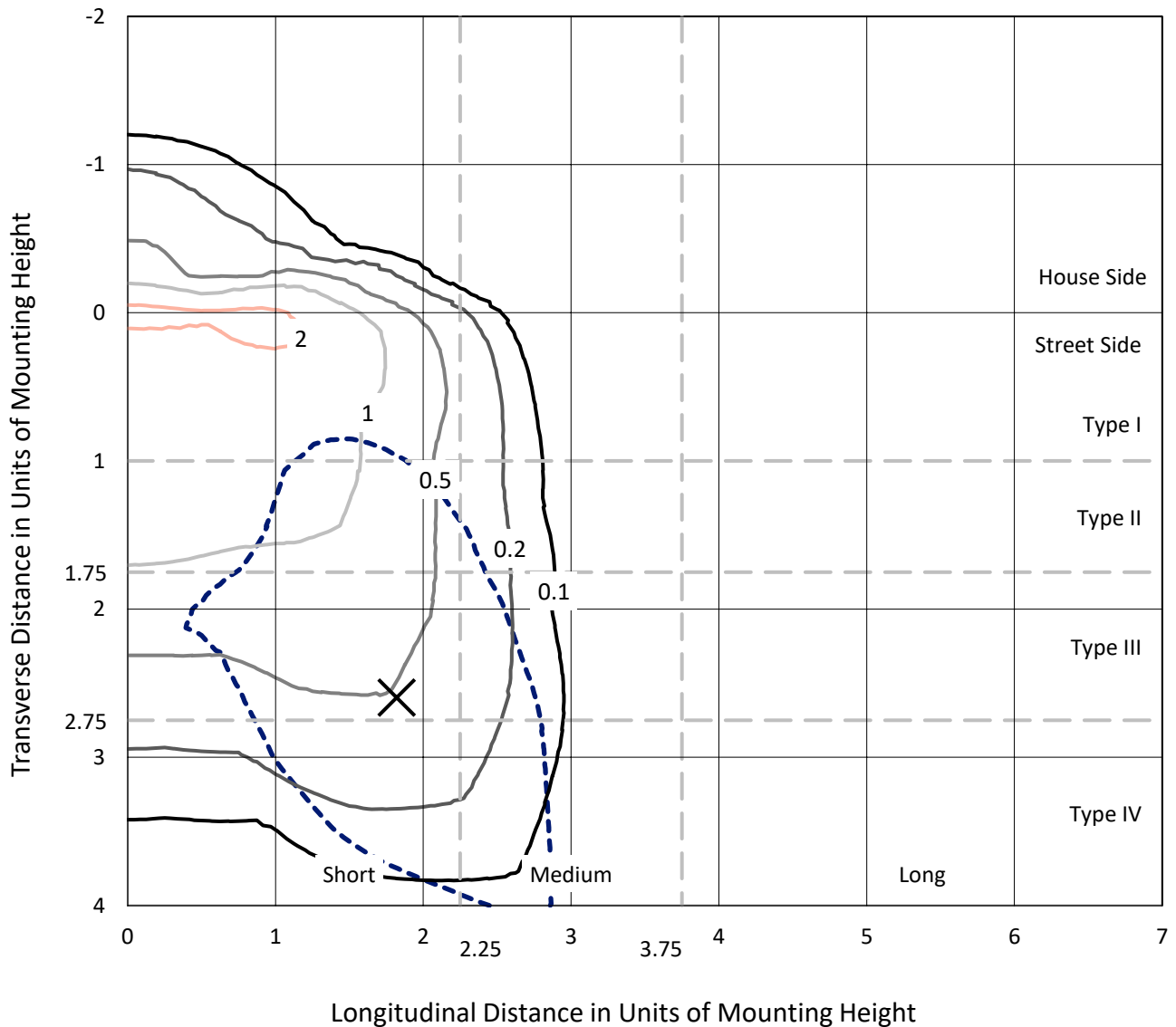
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

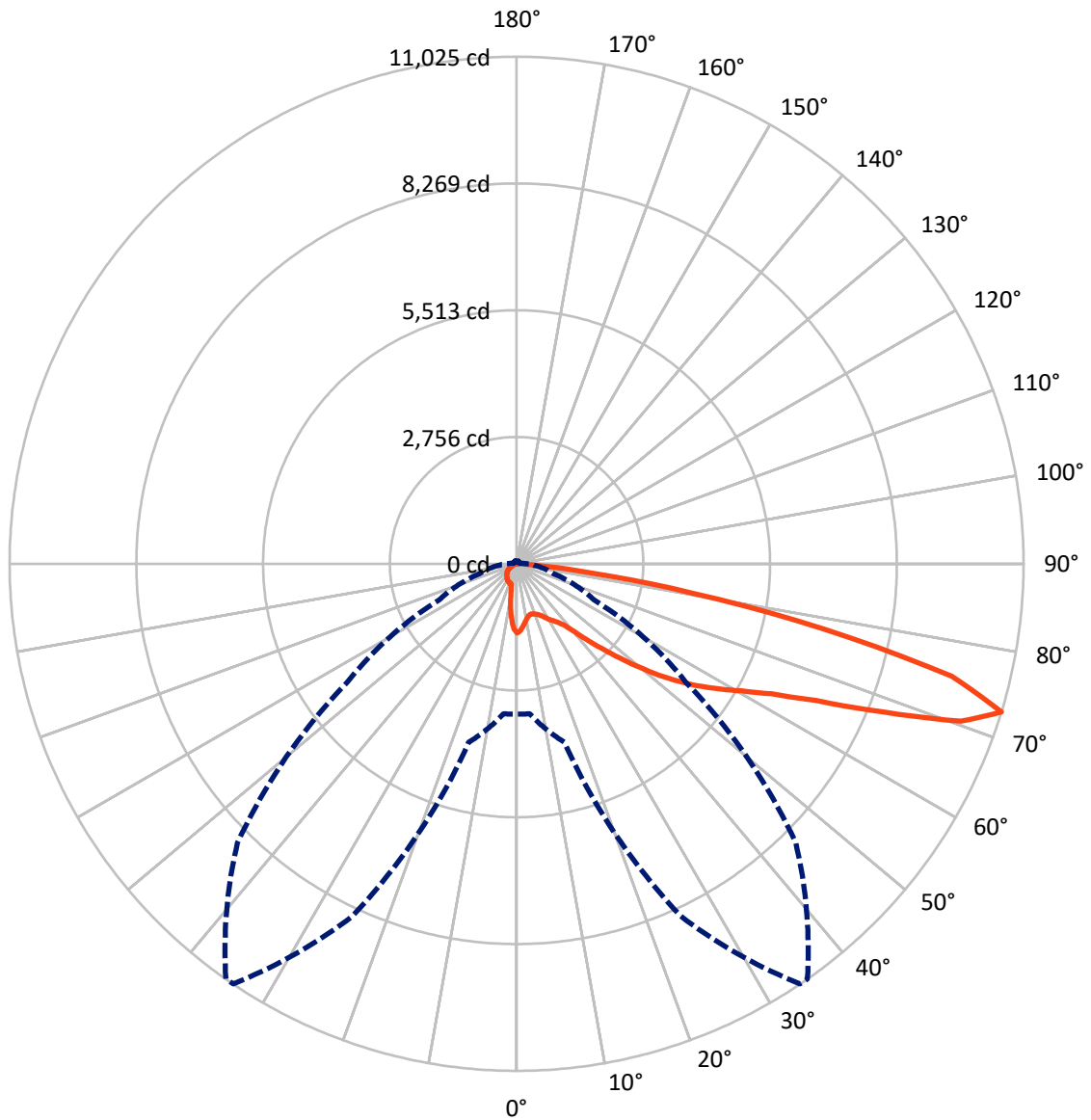
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1169.9	0.0	1169.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9225.1	0.0	9225.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	10395.0	0.0	10395.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	1.2
10°-20°	289.6	2.8
20°-30°	470.5	4.5
30°-40°	785.0	7.6
40°-50°	1485.2	14.3
50°-60°	2360.0	22.7
60°-70°	2919.5	28.1
70°-80°	1814.8	17.5
80°-90°	146.7	1.4
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°	10395.0	100.0
0°-180°	10395.0	100.0

Coefficient of Utilization

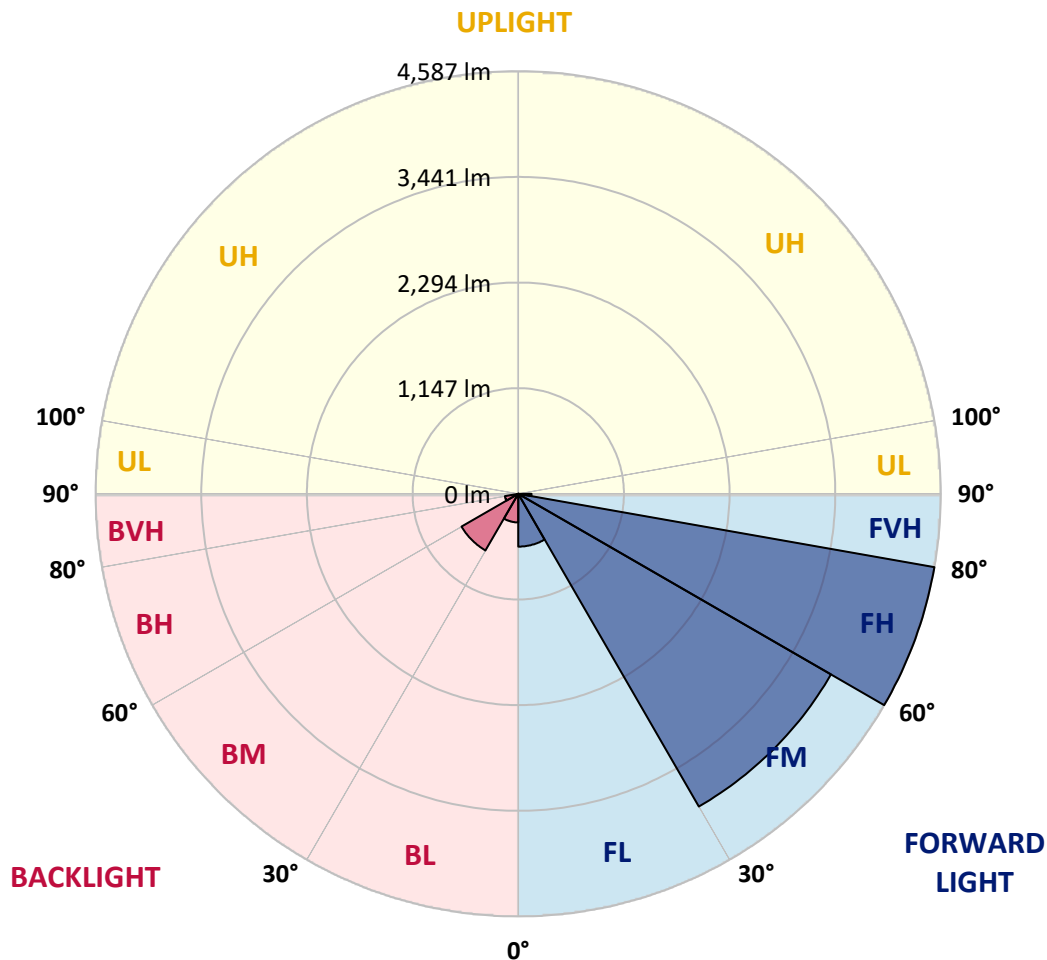


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	573.0	5.5			
FM (30°-60°)	3920.0	37.7			
FH (60°-80°)	4587.4	44.1			G2/5000
FVH (80°-90°)	144.7	1.4			G2/225
BL (0°-30°)	310.9	3.0	B1/500		
BM (30°-60°)	710.2	6.8	B1/1000		
BH (60°-80°)	146.8	1.4	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6
2.5°	1439.6	1451.7	1454.0	1457.8	1457.8	1462.4	1470.0	1480.7	1498.2	1507.3
5°	1326.8	1336.0	1347.4	1356.5	1374.1	1376.3	1406.0	1435.0	1475.4	1505.8
7.5°	1213.3	1224.0	1239.2	1261.3	1284.2	1291.0	1336.0	1384.7	1448.7	1505.8
10°	1133.4	1134.1	1147.8	1169.9	1206.5	1214.9	1269.7	1339.0	1419.0	1496.7
12.5°	1088.4	1093.8	1099.9	1116.6	1151.6	1157.0	1215.6	1297.1	1389.3	1491.4
15°	1088.4	1092.2	1096.0	1104.4	1132.6	1137.2	1189.0	1270.5	1374.1	1493.6
17.5°	1099.9	1105.9	1102.9	1112.8	1142.5	1145.6	1191.3	1262.8	1373.3	1508.1
20°	1127.3	1131.8	1125.7	1131.8	1161.5	1167.6	1214.9	1277.3	1386.2	1533.2
22.5°	1170.7	1173.0	1158.5	1163.1	1193.5	1201.2	1256.0	1318.5	1417.5	1573.6
25°	1225.5	1230.1	1208.0	1213.3	1242.3	1251.4	1314.6	1380.1	1467.0	1629.2
27.5°	1288.7	1291.0	1272.0	1271.2	1308.5	1321.5	1385.5	1456.3	1533.2	1699.3
30°	1361.1	1368.0	1349.7	1346.6	1393.9	1404.5	1467.7	1550.0	1630.7	1804.4
32.5°	1418.2	1423.6	1412.9	1420.5	1468.5	1476.9	1567.5	1682.5	1783.8	1953.7
35°	1500.5	1503.5	1479.2	1492.9	1547.7	1569.0	1703.9	1868.4	1976.5	2141.1
37.5°	1798.3	1798.3	1694.7	1626.9	1679.5	1698.5	1890.5	2102.2	2214.2	2392.4
40°	2210.4	2203.5	2051.9	1913.3	1906.5	1943.8	2156.3	2397.0	2521.1	2694.0
42.5°	2649.9	2639.2	2432.8	2295.7	2272.8	2285.8	2463.2	2760.3	2886.7	3061.9
45°	3039.8	3036.8	2847.9	2663.6	2622.4	2663.6	2846.4	3185.3	3275.9	3460.3
47.5°	3366.6	3366.6	3228.7	3108.4	3087.1	3111.4	3365.1	3656.8	3648.4	3884.5
50°	3742.8	3739.8	3608.8	3557.0	3579.1	3613.4	3962.2	4153.4	4033.8	4301.2
52.5°	4006.4	4024.7	3979.7	3971.3	4084.1	4143.5	4568.5	4639.3	4378.8	4696.5
55°	4215.1	4236.4	4288.2	4346.9	4563.9	4641.6	5155.7	5100.1	4667.5	5039.2
57.5°	4510.6	4480.1	4560.1	4675.9	5027.0	5120.7	5724.7	5535.1	4899.8	5317.2
60°	4869.4	4873.9	4887.6	5033.9	5489.4	5609.7	6285.3	5946.4	5049.1	5487.8
62.5°	5300.5	5307.3	5335.5	5560.2	6110.1	6223.6	6882.5	6283.0	5117.7	5439.8
65°	5270.8	5299.7	5614.3	6382.8	7053.8	7165.8	7579.4	6519.1	5014.1	5001.1
67.5°	4801.6	4848.8	5375.1	7365.4	8476.6	8601.5	8421.8	6565.6	4567.0	3889.1
70°	4186.1	4202.9	4835.8	8248.9	10124.1	10250.6	9175.8	6054.5	3465.6	2169.2
72.5°	3269.1	3272.9	4015.5	8453.8	11018.3	11025.2	8584.0	4494.6	1863.8	833.3
75°	2335.3	2312.4	2689.5	6855.8	9693.8	9771.5	6435.4	2108.3	712.2	393.8
77.5°	1252.2	1277.3	1521.8	4065.8	6696.6	6829.1	3511.3	607.8	362.6	268.1
80°	386.9	408.3	623.8	1861.5	3793.1	3873.1	1301.7	270.4	252.9	191.2
82.5°	121.9	126.4	291.0	782.2	1574.4	1610.9	377.0	153.1	172.9	126.4
85°	35.0	35.8	129.5	291.7	389.2	396.8	105.9	59.4	99.0	78.5
87.5°	3.8	12.2	48.7	48.7	34.3	33.5	11.4	12.9	28.2	9.9
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°
1506.6	0°	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6	1506.6
1513.4	2.5°	1509.6	1510.4	1500.5	1483.7	1465.5	1450.2	1431.2	1415.9	1405.3	1402.2
1527.1	5°	1520.3	1515.0	1486.8	1435.7	1374.8	1322.3	1263.6	1217.1	1186.7	1173.7
1541.6	7.5°	1536.3	1521.1	1459.4	1358.8	1242.3	1138.7	1033.6	952.1	900.3	874.4
1555.3	10°	1550.0	1519.5	1413.7	1247.6	1069.4	912.5	770.8	672.6	617.7	591.8
1571.3	12.5°	1562.9	1518.8	1354.2	1115.8	874.4	682.5	550.7	501.9	486.7	481.4
1597.2	15°	1587.3	1521.1	1279.6	965.0	680.2	515.7	467.7	466.9	470.0	468.4
1636.8	17.5°	1620.8	1523.3	1195.1	805.1	524.8	454.7	452.4	459.3	463.9	461.6
1686.3	20°	1664.2	1532.5	1105.2	646.7	450.9	439.5	444.8	450.9	454.7	450.9
1752.6	22.5°	1725.2	1548.5	1006.9	519.5	427.3	430.3	434.9	441.8	445.6	440.2
1837.1	25°	1799.8	1573.6	910.2	451.7	415.9	419.7	426.5	434.2	438.7	433.4
1943.8	27.5°	1896.6	1614.0	821.1	436.4	404.4	406.7	416.6	428.1	434.2	427.3
2095.4	30°	2036.7	1680.2	744.2	443.3	397.6	392.3	406.0	422.0	428.8	422.7
2301.8	32.5°	2222.6	1773.9	696.9	454.0	394.5	375.5	388.5	409.0	420.4	416.6
2571.4	35°	2466.3	1916.4	678.6	466.1	392.3	358.0	367.1	389.2	409.0	412.8
2911.1	37.5°	2761.8	2114.4	684.0	471.5	385.4	343.5	348.1	367.1	393.0	405.2
3293.5	40°	3097.7	2345.2	714.4	466.1	377.8	331.3	332.1	346.6	369.4	387.7
3704.8	42.5°	3444.3	2614.8	770.8	446.3	370.9	320.7	318.4	328.3	343.5	356.5
4115.3	45°	3774.1	2892.1	826.4	418.9	362.6	310.0	304.7	308.5	311.5	316.9
4515.2	47.5°	4062.0	3087.1	810.4	393.8	351.1	297.8	288.7	287.1	278.0	277.2
4872.4	50°	4260.8	3129.7	719.8	368.6	334.4	284.1	269.6	260.5	244.5	236.9
5139.8	52.5°	4324.0	2961.4	588.0	343.5	307.0	265.8	245.3	230.8	211.0	204.1
5293.6	55°	4240.2	2631.6	470.0	313.0	268.9	241.4	218.6	199.6	183.6	175.2
5310.4	57.5°	4035.3	2211.9	371.7	277.2	228.5	214.0	191.2	172.1	158.4	150.0
5124.5	60°	3695.6	1756.4	294.0	234.6	195.0	184.3	160.7	148.5	136.3	126.4
4644.7	62.5°	3180.0	1253.7	230.8	185.8	163.0	150.8	137.1	128.0	113.5	99.8
3781.7	65°	2481.5	767.0	178.2	136.3	131.0	124.9	116.5	108.2	90.6	76.9
2467.1	67.5°	1565.2	363.3	127.2	102.8	103.6	100.5	96.7	89.9	76.9	64.7
1105.2	70°	689.3	175.9	83.8	78.5	76.9	76.9	80.0	77.7	65.5	54.1
383.9	72.5°	234.6	94.4	62.5	59.4	55.6	54.8	67.0	64.7	52.6	41.9
191.2	75°	122.6	63.2	45.7	42.7	33.5	40.4	53.3	50.3	37.3	27.4
126.4	77.5°	80.0	44.9	31.2	27.4	19.0	26.7	39.6	35.0	22.1	13.7
83.0	80°	50.3	29.7	18.3	12.9	9.1	14.5	21.3	15.2	8.4	3.0
48.7	82.5°	26.7	15.2	6.9	4.6	3.8	4.6	5.3	3.8	1.5	0.0
25.1	85°	10.7	5.3	2.3	1.5	0.8	0.0	1.5	0.8	0.0	0.0
4.6	87.5°	3.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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1506.6
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