

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: P848547

Luminaire Tested: **GLAN-SB5A-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11989 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

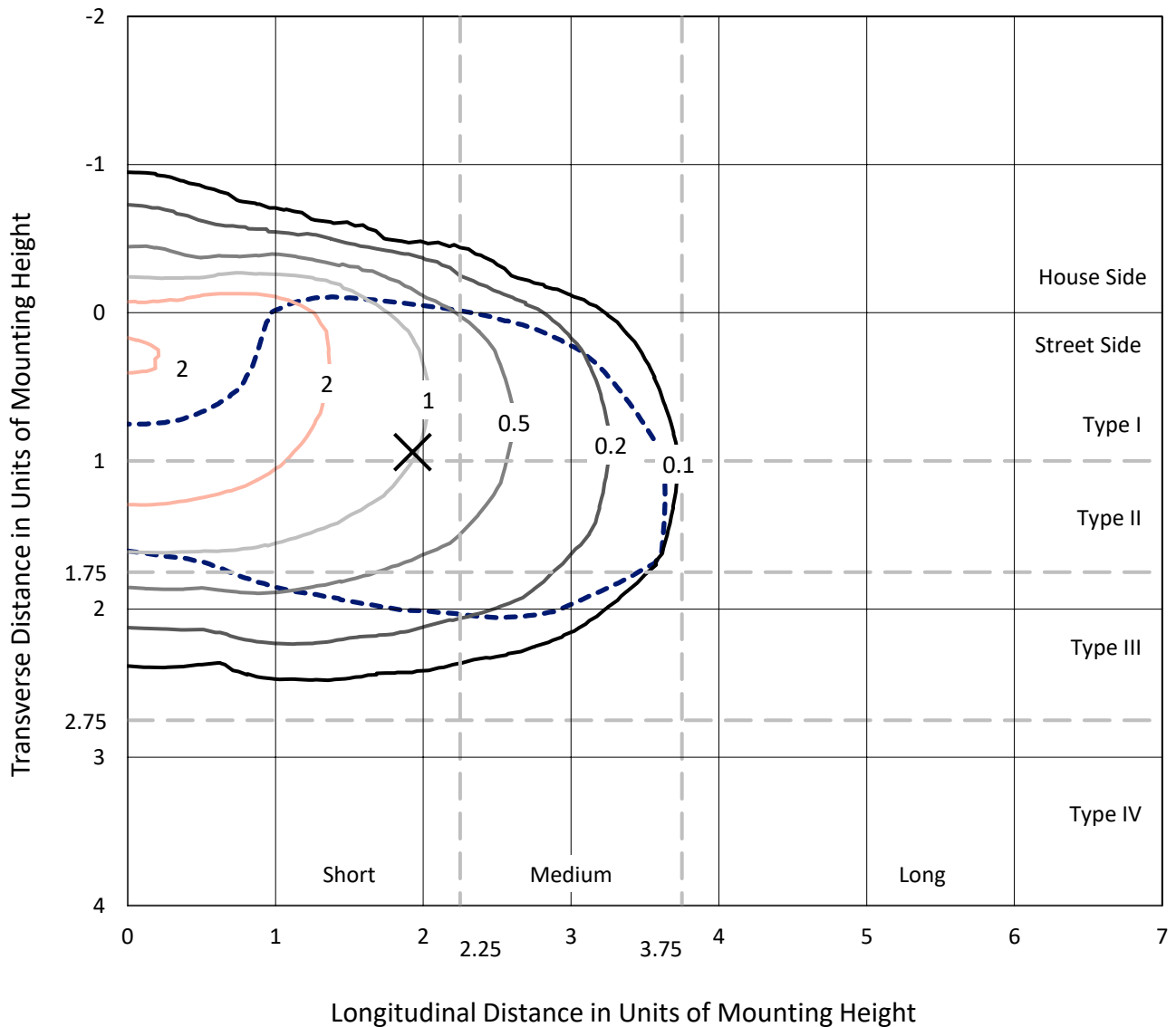
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

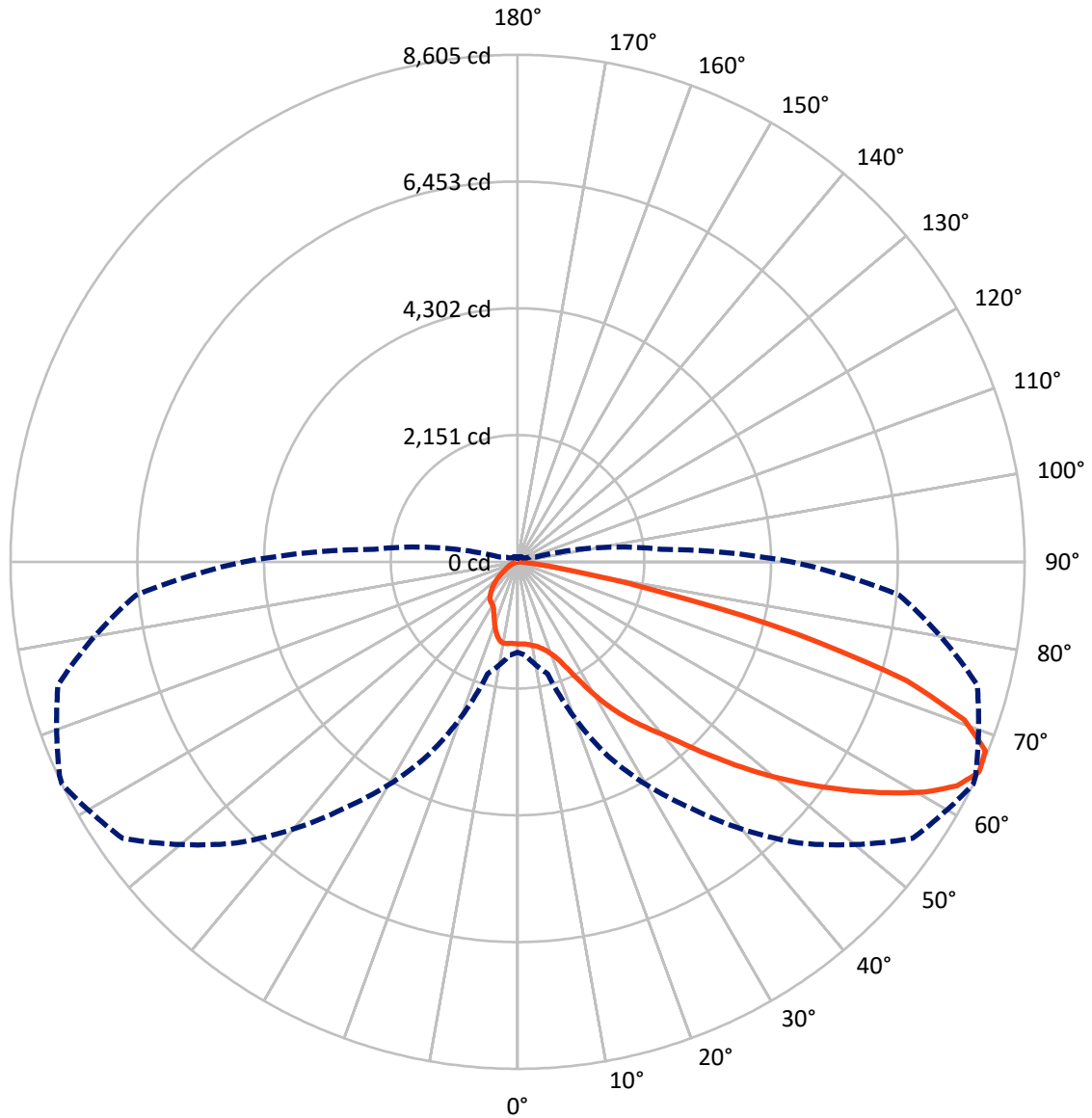
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1603.3	0.0	1603.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	10385.7	0.0	10385.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	11989.0	0.0	11989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	1.1
10°-20°	348.9	2.9
20°-30°	661.2	5.5
30°-40°	1338.0	11.2
40°-50°	2279.3	19.0
50°-60°	3099.6	25.9
60°-70°	2910.7	24.3
70°-80°	1166.1	9.7
80°-90°	56.5	0.5
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°	11989.0	100.0
0°-180°	11989.0	100.0

Coefficient of Utilization



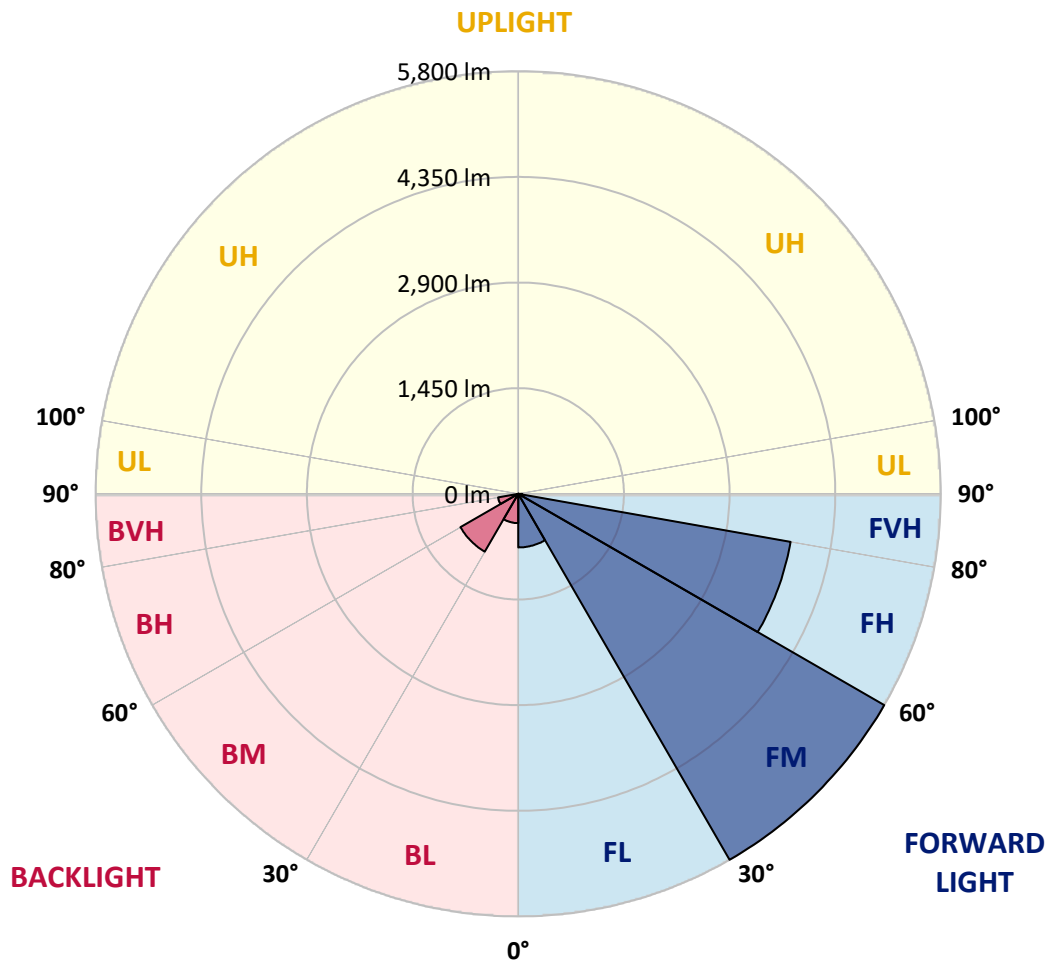
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.3	6.1			
FM (30°-60°)	5800.3	48.4			
FH (60°-80°)	3795.4	31.7			G2/5000
FVH (80°-90°)	53.7	0.4			G1/100
BL (0°-30°)	402.5	3.4	B1/500		
BM (30°-60°)	916.6	7.6	B1/1000		
BH (60°-80°)	281.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.8	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4
2.5°	1389.6	1399.3	1396.9	1394.4	1393.6	1395.2	1396.1	1395.2	1395.2	1395.2
5°	1363.1	1371.1	1371.1	1376.8	1384.8	1394.4	1401.7	1403.3	1404.9	1407.3
7.5°	1312.5	1318.9	1323.7	1342.2	1362.3	1388.0	1409.7	1421.0	1422.6	1431.4
10°	1277.9	1285.9	1294.0	1313.3	1342.2	1380.8	1417.8	1445.1	1449.1	1470.0
12.5°	1276.3	1284.3	1294.8	1315.7	1349.4	1390.4	1435.4	1474.8	1482.1	1512.6
15°	1293.2	1302.8	1312.5	1338.2	1374.4	1424.2	1472.4	1521.4	1528.7	1572.1
17.5°	1327.7	1340.6	1347.8	1373.5	1412.1	1467.6	1531.1	1587.3	1593.8	1644.4
20°	1396.1	1411.3	1413.7	1434.6	1472.4	1531.9	1607.4	1677.4	1685.4	1743.3
22.5°	1537.5	1559.2	1539.9	1550.4	1584.1	1643.6	1725.6	1814.0	1825.2	1891.1
25°	1786.7	1817.2	1767.4	1749.7	1764.2	1826.0	1928.9	2040.6	2053.5	2106.5
27.5°	2276.1	2236.7	2161.2	2087.2	2043.8	2079.2	2194.9	2333.2	2349.3	2400.7
30°	2813.8	2779.2	2677.2	2513.2	2410.3	2404.7	2511.6	2665.9	2684.4	2733.4
32.5°	3352.3	3319.3	3208.4	3006.7	2828.3	2739.9	2813.8	2985.0	2994.6	3026.0
35°	3881.9	3848.2	3737.3	3530.7	3311.3	3110.4	3095.9	3288.8	3292.0	3325.0
37.5°	4414.8	4386.7	4268.5	4066.0	3849.8	3572.5	3438.3	3576.5	3580.5	3612.7
40°	4795.0	4807.0	4725.8	4569.1	4383.5	4080.5	3822.5	3882.7	3858.6	3912.5
42.5°	5121.3	5145.4	5074.7	4995.9	4888.2	4621.4	4298.3	4287.8	4249.2	4278.2
45°	5403.4	5423.5	5360.0	5341.5	5339.1	5151.8	4818.3	4755.6	4701.7	4696.1
47.5°	5507.1	5545.6	5573.0	5634.8	5755.4	5676.6	5356.0	5258.7	5198.4	5154.2
50°	5546.4	5587.4	5680.7	5860.7	6146.0	6179.8	5891.2	5781.9	5708.0	5627.6
52.5°	5493.4	5566.5	5691.9	5994.9	6408.8	6583.2	6404.8	6309.2	6224.8	6093.8
55°	5180.7	5253.9	5510.3	5993.3	6539.8	6866.1	6890.2	6847.7	6752.8	6546.3
57.5°	4521.7	4630.2	5036.1	5789.2	6537.4	7109.7	7366.0	7396.6	7290.5	6994.7
60°	3608.7	3755.8	4250.8	5336.7	6335.7	7241.5	7783.2	7935.9	7823.4	7436.8
62.5°	2518.0	2688.4	3157.0	4627.8	5874.4	7146.6	8087.8	8369.9	8284.7	7832.2
65°	1535.9	1590.6	1968.3	3641.6	5089.9	6749.6	8181.8	8604.6	8576.4	8074.1
67.5°	1023.1	1068.9	1177.4	2497.1	3951.1	5956.3	7956.8	8563.6	8571.6	8034.7
70°	616.4	655.8	726.6	1452.3	2560.6	4714.6	7260.0	8041.2	8087.8	7508.3
72.5°	254.0	280.5	344.8	658.2	1326.1	2992.2	5781.1	6903.9	7012.4	6313.2
75°	143.9	157.5	202.5	330.3	575.5	1394.4	3501.8	4901.1	5061.0	4351.3
77.5°	95.6	102.1	131.0	213.8	323.9	475.8	1496.5	2553.4	2858.8	2376.6
80°	64.3	69.9	90.0	143.1	210.6	204.1	476.6	946.0	1163.8	816.6
82.5°	43.4	44.2	64.3	94.0	133.4	98.9	140.7	294.2	369.7	236.3
85°	24.9	24.1	47.4	54.7	59.5	41.0	42.6	88.4	115.7	99.7
87.5°	3.2	4.8	18.5	14.5	8.0	8.8	8.8	15.3	22.5	24.1
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°
1394.4	0°	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4
1396.1	2.5°	1396.1	1395.2	1392.8	1390.4	1384.8	1381.6	1383.2	1381.6	1380.8	1381.6
1406.5	5°	1406.5	1404.1	1397.7	1389.6	1378.4	1364.7	1355.9	1343.0	1331.0	1323.7
1434.6	7.5°	1434.6	1432.2	1423.4	1400.9	1364.7	1307.6	1255.4	1209.6	1175.0	1154.9
1479.6	10°	1479.6	1475.6	1462.0	1412.1	1317.3	1192.7	1089.0	1003.0	946.8	920.3
1532.7	12.5°	1532.7	1527.9	1503.8	1401.7	1227.3	1032.8	889.7	794.1	741.8	718.5
1593.8	15°	1595.4	1588.9	1541.5	1351.8	1096.3	856.0	725.0	653.4	619.7	598.8
1671.7	17.5°	1673.3	1662.1	1569.7	1277.1	954.0	720.9	623.7	569.8	540.1	520.0
1773.8	20°	1774.6	1756.1	1592.2	1187.9	823.0	635.7	555.4	510.4	487.9	470.2
1918.5	22.5°	1916.1	1889.5	1619.5	1091.4	730.6	577.1	504.7	471.8	453.3	433.2
2120.2	25°	2091.3	2059.9	1653.2	1002.2	667.1	526.4	467.8	440.4	418.7	395.4
2384.6	27.5°	2336.4	2280.1	1693.4	929.1	612.4	483.0	434.0	403.5	378.5	359.3
2684.4	30°	2609.7	2517.2	1728.8	884.9	562.6	442.8	389.8	359.3	336.0	322.3
2953.7	32.5°	2868.5	2743.1	1752.1	865.6	517.6	397.0	341.6	308.6	290.9	286.9
3217.3	35°	3112.8	2947.2	1749.7	847.1	477.4	351.2	294.2	260.4	246.7	249.2
3501.0	37.5°	3394.1	3165.0	1732.8	818.2	444.5	309.4	253.2	223.4	211.4	212.2
3845.8	40°	3721.2	3416.6	1722.4	763.5	408.3	270.9	219.4	195.3	186.5	183.2
4209.1	42.5°	4070.0	3660.1	1724.0	701.6	363.3	236.3	196.1	176.0	168.0	165.6
4613.3	45°	4420.4	3892.4	1726.4	637.3	315.9	209.8	179.2	162.4	157.5	154.3
5023.2	47.5°	4750.0	4090.1	1681.4	568.2	269.2	189.7	165.6	154.3	150.3	146.3
5434.7	50°	5057.0	4221.9	1572.9	487.9	232.3	173.6	155.1	147.1	143.1	139.0
5807.6	52.5°	5295.7	4242.8	1393.6	405.1	206.6	161.5	148.7	141.5	136.6	132.6
6109.0	55°	5401.8	4111.8	1138.9	327.9	186.5	151.1	142.3	135.0	129.4	125.4
6346.1	57.5°	5374.4	3836.1	888.1	263.6	167.2	140.7	134.2	129.4	123.0	116.5
6538.2	60°	5240.2	3467.2	669.5	219.4	149.5	129.4	125.4	121.4	112.5	102.9
6612.2	62.5°	5007.9	3003.5	477.4	181.6	130.2	116.5	114.9	111.7	98.9	81.2
6502.9	65°	4652.7	2440.1	321.5	151.1	111.7	102.1	102.9	97.2	80.4	60.3
6102.6	67.5°	4133.5	1784.2	205.8	123.8	93.2	85.2	86.0	82.8	68.3	51.4
5343.9	70°	3472.0	1181.5	134.2	94.0	74.7	65.9	70.7	71.5	57.9	41.8
4101.4	72.5°	2545.4	697.6	94.0	69.9	54.7	45.8	57.9	59.5	46.6	31.3
2467.4	75°	1450.7	331.1	70.7	50.6	33.8	32.1	45.0	45.0	32.1	20.9
1068.1	77.5°	609.2	138.2	49.8	33.0	19.3	18.5	30.5	28.1	16.1	9.6
260.4	80°	176.0	61.9	26.5	16.1	8.0	7.2	12.1	8.8	4.0	1.6
98.9	82.5°	69.1	27.3	10.4	6.4	3.2	3.2	1.6	0.0	0.0	0.0
56.3	85°	41.0	11.3	4.8	2.4	0.8	0.0	0.0	0.0	0.0	0.0
12.1	87.5°	10.4	2.4	1.6	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°
1394.4
1384.8
1325.3
1155.7
917.8
716.1
599.6
518.4
467.0
430.0
393.0
355.2
319.9
289.3
249.2
215.4
182.4
164.8
154.3
146.3
139.0
131.8
124.6
115.7
101.3
79.6
58.7
49.0
40.2
29.7
19.3
9.6
1.6
0.0
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