

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: P852478

Luminaire Tested: **GLAN-SB4A-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852478
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-SB4A-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 350mA 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: 11688 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

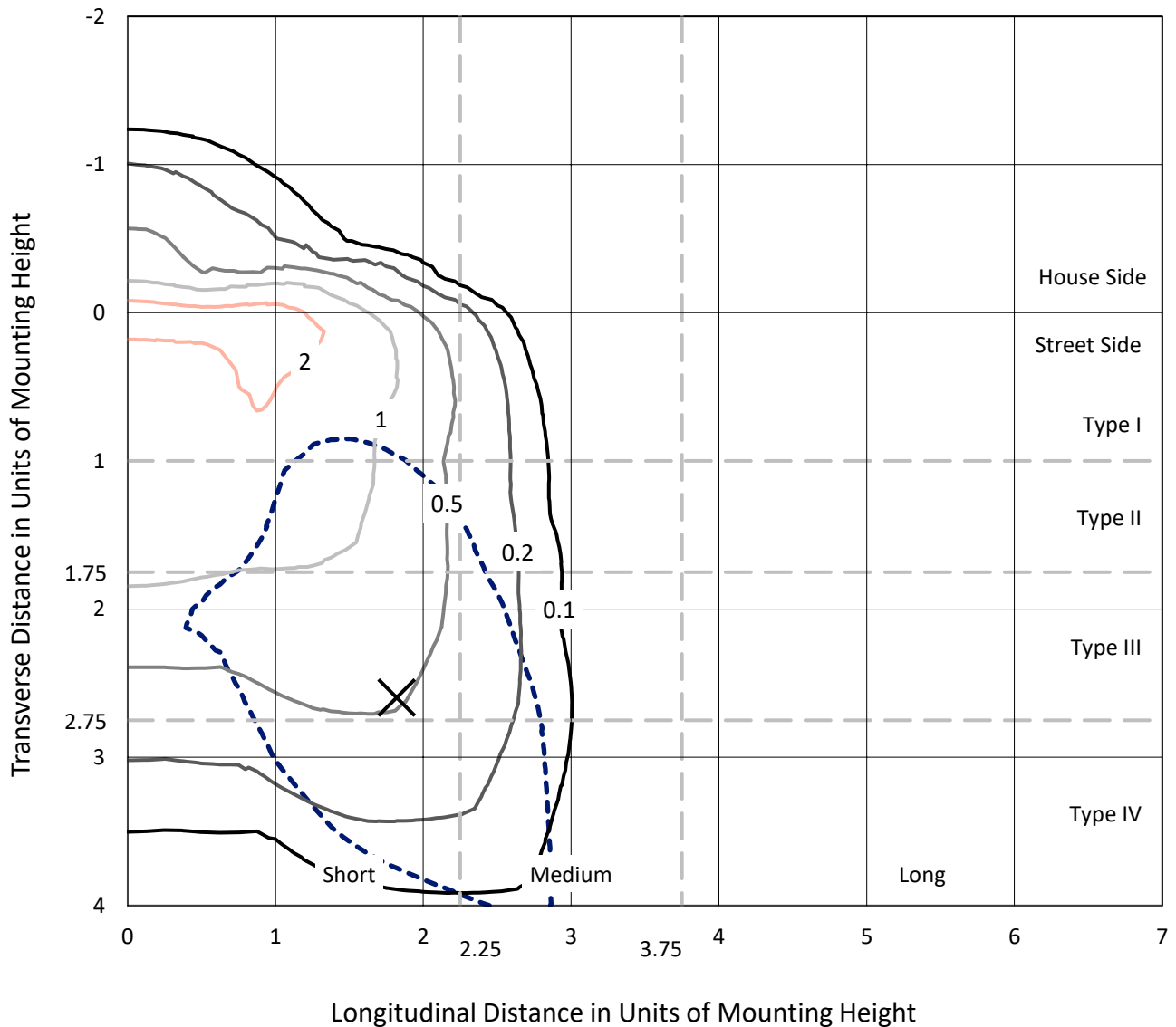
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

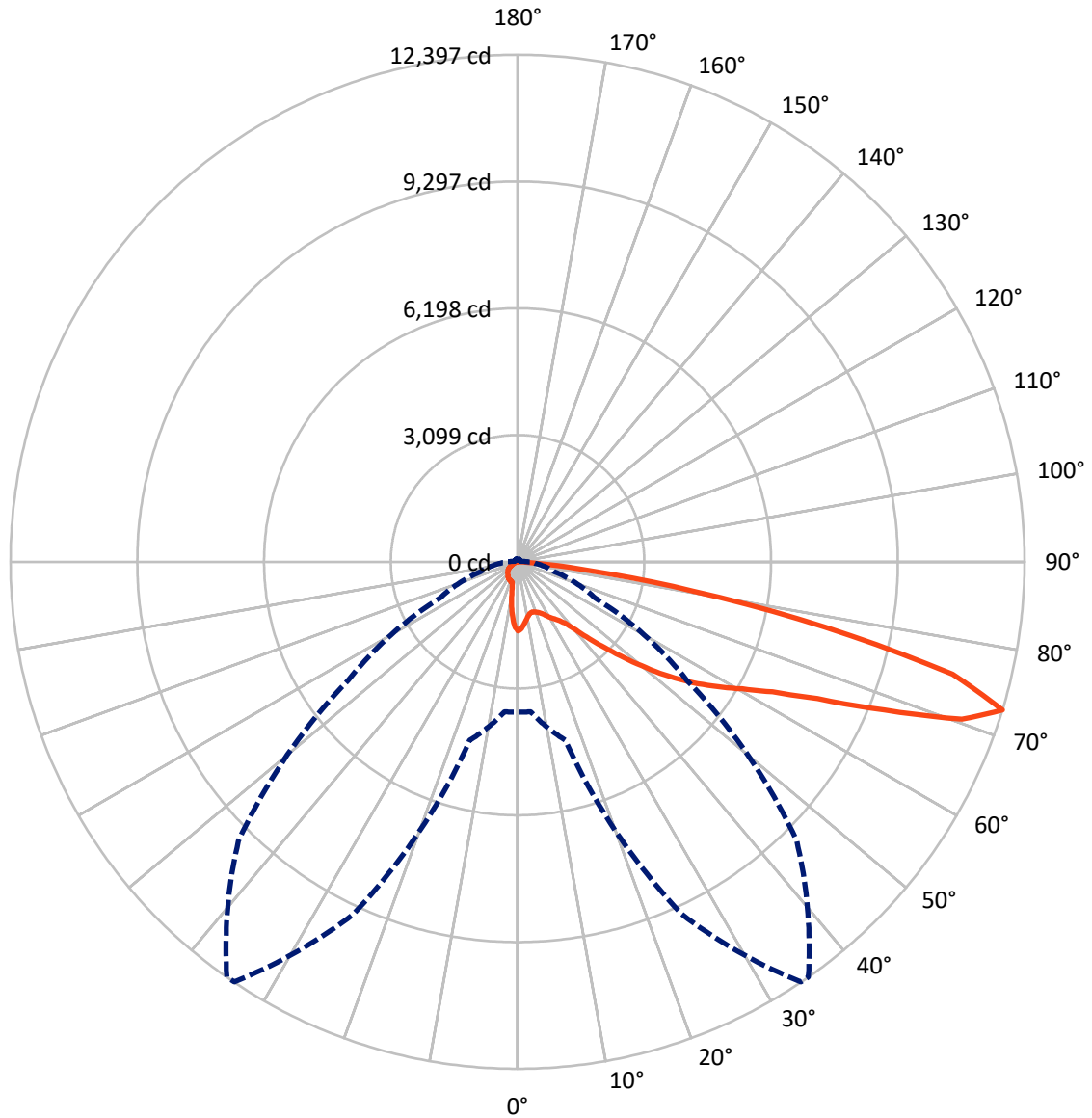
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	1315.4	0.0	1315.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	10372.6	0.0	10372.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	11688.0	0.0	11688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	1.2
10°-20°	325.6	2.8
20°-30°	529.0	4.5
30°-40°	882.6	7.6
40°-50°	1670.0	14.3
50°-60°	2653.5	22.7
60°-70°	3282.6	28.1
70°-80°	2040.5	17.5
80°-90°	164.9	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°	11688.0	100.0
0°-180°	11688.0	100.0

Coefficient of Utilization



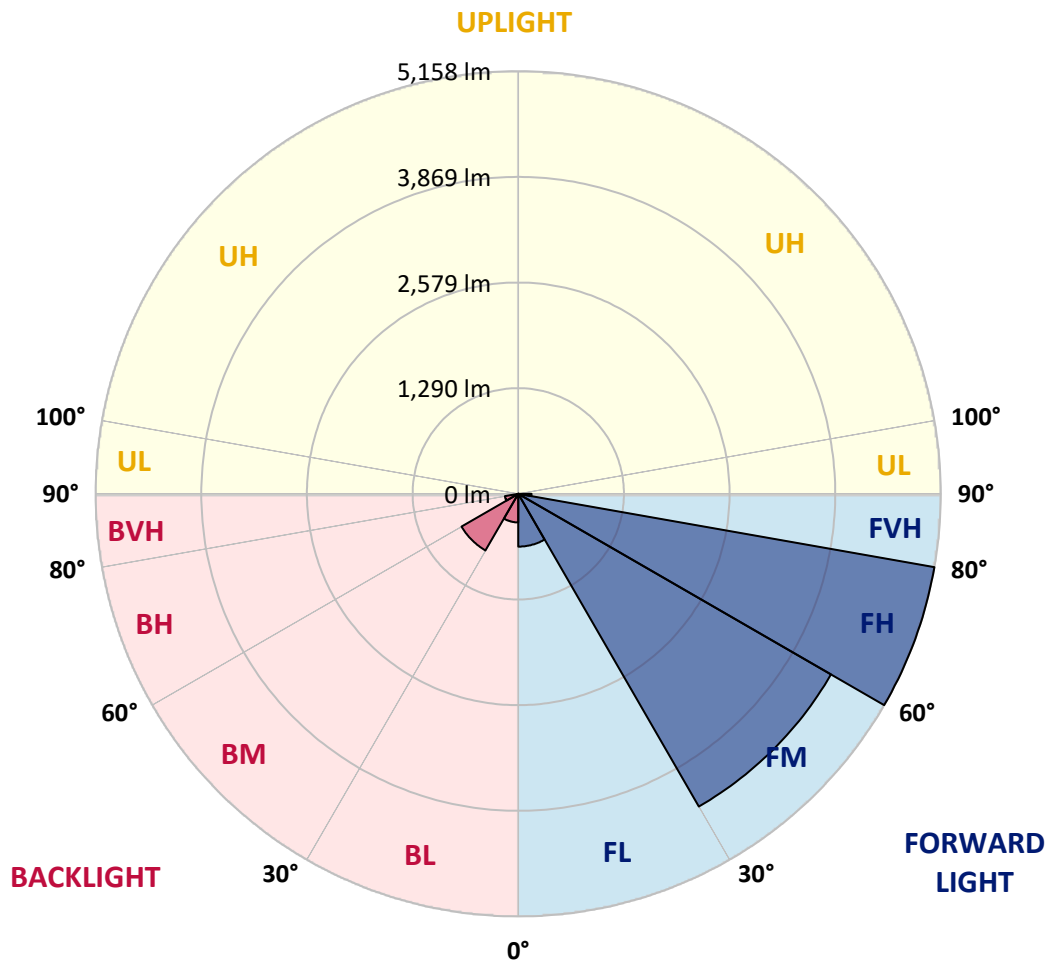
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.3	5.5			
FM (30°-60°)	4407.5	37.7			
FH (60°-80°)	5158.1	44.1			G3/7500
FVH (80°-90°)	162.7	1.4			G2/225
BL (0°-30°)	349.5	3.0	B1/500		
BM (30°-60°)	798.6	6.8	B1/1000		
BH (60°-80°)	165.1	1.4	B1/500		G1/500
BVH (80°-90°)	2.2	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0
2.5°	1618.6	1632.3	1634.9	1639.2	1639.2	1644.3	1652.9	1664.9	1684.6	1694.8
5°	1491.9	1502.1	1515.0	1525.3	1545.0	1547.5	1580.9	1613.5	1658.9	1693.1
7.5°	1364.3	1376.3	1393.4	1418.2	1443.9	1451.6	1502.1	1557.0	1628.9	1693.1
10°	1274.3	1275.2	1290.6	1315.4	1356.6	1366.0	1427.6	1505.6	1595.5	1682.8
12.5°	1223.8	1229.8	1236.7	1255.5	1294.9	1300.9	1366.8	1458.5	1562.1	1676.9
15°	1223.8	1228.1	1232.4	1241.8	1273.5	1278.6	1336.9	1428.5	1545.0	1679.4
17.5°	1236.7	1243.5	1240.1	1251.2	1284.6	1288.0	1339.4	1419.9	1544.1	1695.7
20°	1267.5	1272.6	1265.8	1272.6	1306.0	1312.9	1366.0	1436.2	1558.7	1724.0
22.5°	1316.3	1318.9	1302.6	1307.7	1342.0	1350.6	1412.2	1482.4	1593.8	1769.3
25°	1378.0	1383.1	1358.3	1364.3	1396.8	1407.1	1478.2	1551.8	1649.4	1831.9
27.5°	1449.0	1451.6	1430.2	1429.4	1471.3	1485.9	1557.8	1637.5	1724.0	1910.7
30°	1530.4	1538.1	1517.6	1514.1	1567.2	1579.2	1650.3	1742.8	1833.6	2028.8
32.5°	1594.6	1600.6	1588.6	1597.2	1651.2	1660.6	1762.5	1891.8	2005.7	2196.7
35°	1687.1	1690.6	1663.2	1678.6	1740.2	1764.2	1915.8	2100.8	2222.4	2407.4
37.5°	2022.0	2022.0	1905.5	1829.3	1888.4	1909.8	2125.6	2363.7	2489.6	2690.0
40°	2485.3	2477.6	2307.2	2151.3	2143.6	2185.6	2424.5	2695.1	2834.7	3029.1
42.5°	2979.5	2967.5	2735.4	2581.2	2555.5	2570.1	2769.6	3103.6	3245.8	3442.8
45°	3417.9	3414.5	3202.1	2994.9	2948.6	2994.9	3200.4	3581.5	3683.4	3890.7
47.5°	3785.3	3785.3	3630.3	3495.0	3471.0	3498.4	3783.6	4111.6	4102.2	4367.7
50°	4208.4	4205.0	4057.7	3999.4	4024.3	4062.8	4455.1	4670.0	4535.6	4836.2
52.5°	4504.7	4525.3	4474.8	4465.3	4592.1	4658.9	5136.8	5216.4	4923.5	5280.6
55°	4739.4	4763.4	4821.6	4887.5	5131.6	5219.0	5797.1	5734.5	5248.1	5666.0
57.5°	5071.7	5037.4	5127.3	5257.5	5652.3	5757.7	6436.8	6223.5	5509.3	5978.6
60°	5475.0	5480.2	5495.6	5660.0	6172.2	6307.5	7067.1	6686.0	5677.2	6170.4
62.5°	5959.8	5967.5	5999.2	6251.8	6870.1	6997.7	7738.5	7064.5	5754.2	6116.5
65°	5926.4	5958.9	6312.6	7176.7	7931.2	8057.1	8522.2	7330.0	5637.8	5623.2
67.5°	5398.8	5451.9	6043.7	8281.5	9531.0	9671.5	9469.3	7382.3	5135.0	4372.8
70°	4706.8	4725.7	5437.4	9274.9	11383.4	11525.6	10317.2	6807.6	3896.7	2439.1
72.5°	3675.7	3680.0	4515.0	9505.3	12388.9	12396.6	9651.8	5053.7	2095.6	936.9
75°	2625.8	2600.1	3024.0	7708.6	10899.6	10986.9	7235.8	2370.5	800.7	442.8
77.5°	1407.9	1436.2	1711.1	4571.5	7529.6	7678.6	3948.1	683.4	407.7	301.5
80°	435.1	459.0	701.4	2093.1	4264.9	4354.9	1463.6	304.0	284.3	215.0
82.5°	137.0	142.2	327.1	879.5	1770.2	1811.3	423.9	172.1	194.4	142.2
85°	39.4	40.3	145.6	328.0	437.6	446.2	119.0	66.8	111.3	88.2
87.5°	4.3	13.7	54.8	54.8	38.5	37.7	12.8	14.6	31.7	11.1
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°
1694.0	0°	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0	1694.0
1701.7	2.5°	1697.4	1698.3	1687.1	1668.3	1647.7	1630.6	1609.2	1592.1	1580.1	1576.7
1717.1	5°	1709.4	1703.4	1671.7	1614.3	1545.8	1486.7	1420.8	1368.5	1334.3	1319.7
1733.4	7.5°	1727.4	1710.3	1640.9	1527.8	1396.8	1280.3	1162.2	1070.5	1012.3	983.2
1748.8	10°	1742.8	1708.5	1589.5	1402.8	1202.4	1026.0	866.7	756.2	694.6	665.4
1766.8	12.5°	1757.4	1707.7	1522.7	1254.6	983.2	767.3	619.2	564.4	547.2	541.3
1795.9	15°	1784.8	1710.3	1438.8	1085.1	764.8	579.8	525.8	525.0	528.4	526.7
1840.4	17.5°	1822.4	1712.8	1343.7	905.2	590.1	511.3	508.7	516.4	521.6	519.0
1896.1	20°	1871.3	1723.1	1242.7	727.1	507.0	494.1	500.1	507.0	511.3	507.0
1970.6	22.5°	1939.8	1741.1	1132.2	584.1	480.4	483.9	489.0	496.7	501.0	495.0
2065.7	25°	2023.7	1769.3	1023.4	507.9	467.6	471.9	479.6	488.2	493.3	487.3
2185.6	27.5°	2132.5	1814.7	923.2	490.7	454.8	457.3	468.5	481.3	488.2	480.4
2356.0	30°	2290.0	1889.2	836.7	498.4	447.0	441.1	456.5	474.5	482.2	475.3
2588.1	32.5°	2499.0	1994.6	783.6	510.4	443.6	422.2	436.8	459.9	472.7	468.5
2891.2	35°	2773.1	2154.7	763.1	524.1	441.1	402.5	412.8	437.6	459.9	464.2
3273.2	37.5°	3105.4	2377.4	769.1	530.1	433.3	386.2	391.4	412.8	441.9	455.6
3703.1	40°	3483.0	2636.9	803.3	524.1	424.8	372.5	373.4	389.7	415.4	435.9
4165.6	42.5°	3872.7	2940.1	866.7	501.9	417.1	360.5	358.0	369.1	386.2	400.8
4627.2	45°	4243.5	3251.8	929.2	471.0	407.7	348.6	342.6	346.8	350.3	356.3
5076.8	47.5°	4567.2	3471.0	911.2	442.8	394.8	334.9	324.6	322.9	312.6	311.7
5478.5	50°	4790.8	3519.0	809.3	414.5	376.0	319.4	303.2	292.9	274.9	266.3
5779.1	52.5°	4861.9	3329.7	661.2	386.2	345.1	298.9	275.8	259.5	237.2	229.5
5952.1	55°	4767.6	2958.9	528.4	352.0	302.3	271.5	245.8	224.4	206.4	197.0
5970.9	57.5°	4537.3	2487.0	417.9	311.7	256.9	240.7	215.0	193.5	178.1	168.7
5761.9	60°	4155.3	1974.9	330.6	263.8	219.2	207.3	180.7	167.0	153.3	142.2
5222.4	62.5°	3575.5	1409.7	259.5	209.0	183.3	169.6	154.2	143.9	127.6	112.2
4252.1	65°	2790.2	862.4	200.4	153.3	147.3	140.5	131.0	121.6	101.9	86.5
2773.9	67.5°	1759.9	408.5	143.0	115.6	116.5	113.0	108.8	101.1	86.5	72.8
1242.7	70°	775.1	197.8	94.2	88.2	86.5	86.5	89.9	87.4	73.7	60.8
431.6	72.5°	263.8	106.2	70.2	66.8	62.5	61.7	75.4	72.8	59.1	47.1
215.0	75°	137.9	71.1	51.4	48.0	37.7	45.4	59.9	56.5	42.0	30.8
142.2	77.5°	89.9	50.5	35.1	30.8	21.4	30.0	44.5	39.4	24.8	15.4
93.3	80°	56.5	33.4	20.6	14.6	10.3	16.3	24.0	17.1	9.4	3.4
54.8	82.5°	30.0	17.1	7.7	5.1	4.3	5.1	6.0	4.3	1.7	0.0
28.3	85°	12.0	6.0	2.6	1.7	0.9	0.0	1.7	0.9	0.0	0.0
5.1	87.5°	4.3	0.9	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

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180°
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