

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: P852460

Luminaire Tested: **GLAN-SB4A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852460
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-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 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: 13149 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

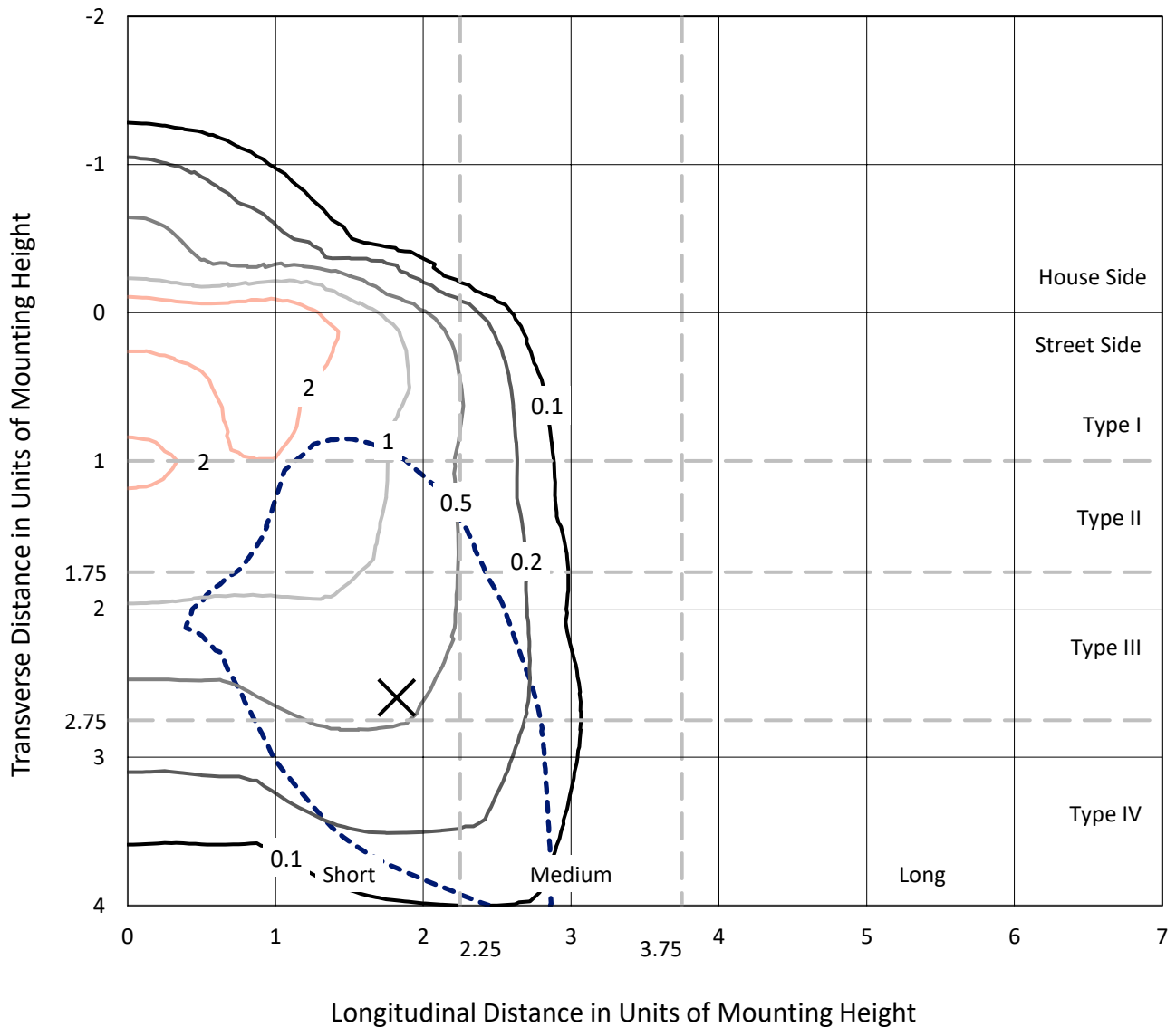
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

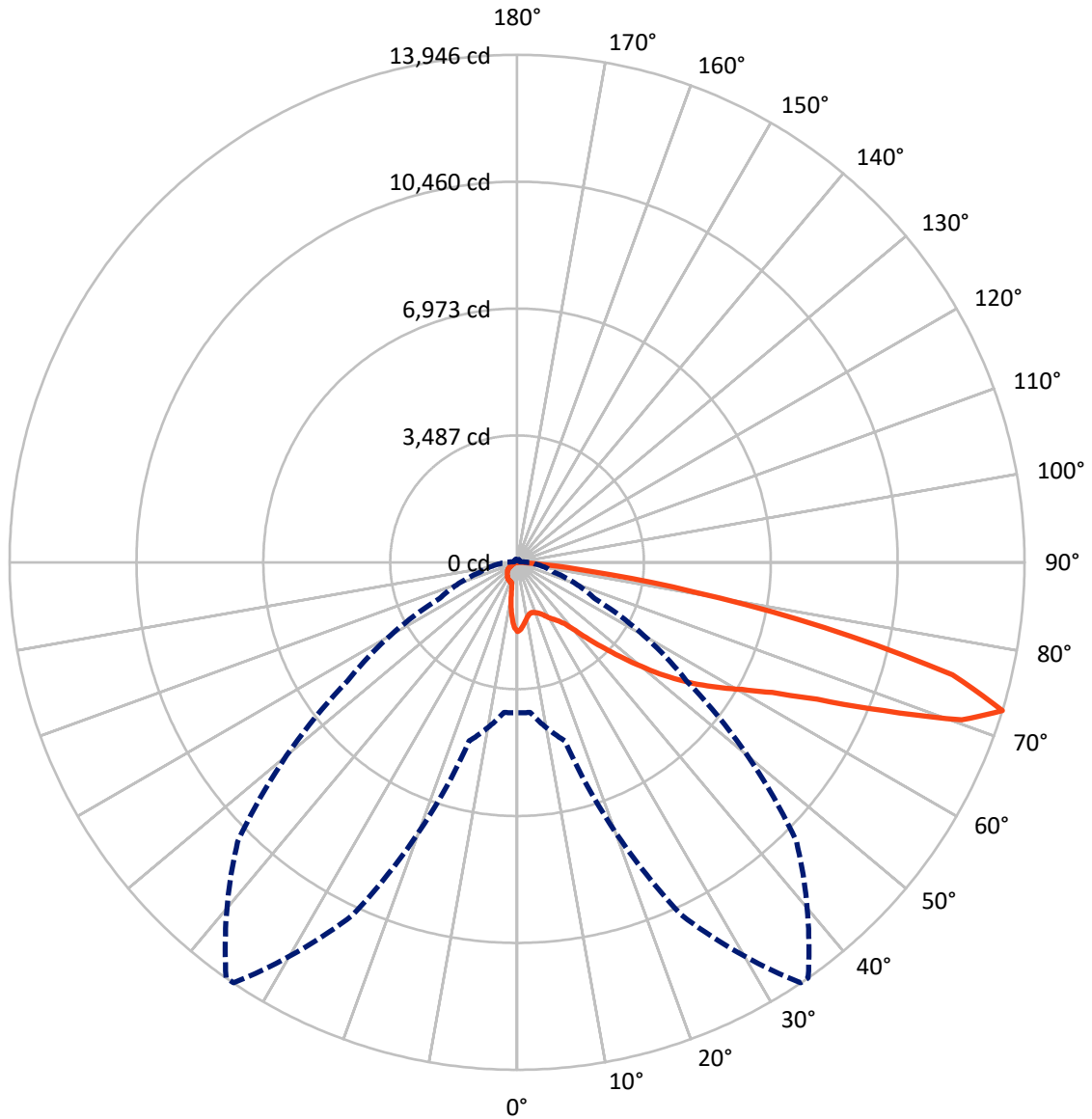
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	1479.9	0.0	1479.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11669.1	0.0	11669.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	13149.0	0.0	13149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	1.2
10°-20°	366.3	2.8
20°-30°	595.1	4.5
30°-40°	993.0	7.6
40°-50°	1878.7	14.3
50°-60°	2985.2	22.7
60°-70°	3693.0	28.1
70°-80°	2295.6	17.5
80°-90°	185.5	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°	13149.0	100.0
0°-180°	13149.0	100.0

Coefficient of Utilization



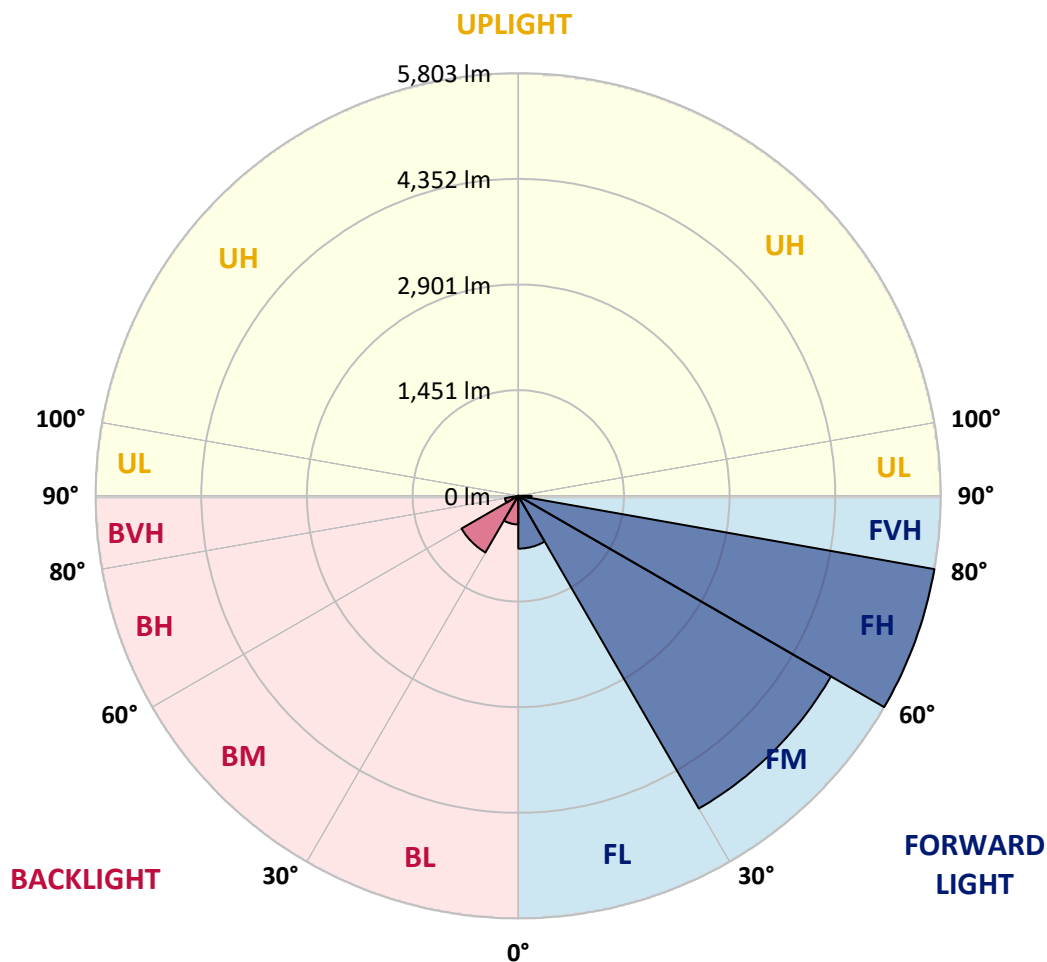
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	724.8	5.5			
FM (30°-60°)	4958.5	37.7			
FH (60°-80°)	5802.8	44.1			G3/7500
FVH (80°-90°)	183.0	1.4			G2/225
BL (0°-30°)	393.2	3.0	B1/500		
BM (30°-60°)	898.4	6.8	B1/1000		
BH (60°-80°)	185.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.5	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°	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7
2.5°	1820.9	1836.4	1839.3	1844.1	1844.1	1849.9	1859.5	1873.0	1895.1	1906.7
5°	1678.4	1689.9	1704.4	1715.9	1738.1	1741.0	1778.6	1815.2	1866.2	1904.8
7.5°	1534.8	1548.3	1567.6	1595.5	1624.4	1633.1	1689.9	1751.6	1832.5	1904.8
10°	1433.6	1434.6	1451.9	1479.9	1526.1	1536.7	1606.1	1693.8	1794.9	1893.2
12.5°	1376.8	1383.5	1391.2	1412.4	1456.8	1463.5	1537.7	1640.8	1757.4	1886.5
15°	1376.8	1381.6	1386.4	1397.0	1432.7	1438.5	1504.0	1607.1	1738.1	1889.4
17.5°	1391.2	1398.9	1395.1	1407.6	1445.2	1449.0	1506.9	1597.4	1737.1	1907.7
20°	1425.9	1431.7	1424.0	1431.7	1469.3	1477.0	1536.7	1615.7	1753.5	1939.5
22.5°	1480.8	1483.7	1465.4	1471.2	1509.7	1519.4	1588.8	1667.8	1793.0	1990.5
25°	1550.2	1556.0	1528.1	1534.8	1571.4	1583.0	1662.9	1745.8	1855.6	2060.8
27.5°	1630.2	1633.1	1609.0	1608.0	1655.2	1671.6	1752.5	1842.1	1939.5	2149.5
30°	1721.7	1730.4	1707.3	1703.4	1763.1	1776.6	1856.6	1960.6	2062.8	2282.4
32.5°	1794.0	1800.7	1787.2	1796.9	1857.6	1868.2	1982.8	2128.3	2256.4	2471.3
35°	1898.0	1901.9	1871.0	1888.4	1957.8	1984.7	2155.3	2363.4	2500.2	2708.3
37.5°	2274.7	2274.7	2143.7	2058.0	2124.4	2148.5	2391.3	2659.2	2800.8	3026.2
40°	2796.0	2787.3	2595.6	2420.2	2411.5	2458.8	2727.6	3032.0	3189.1	3407.8
42.5°	3351.9	3338.4	3077.3	2903.9	2875.0	2891.4	3115.8	3491.6	3651.5	3873.1
45°	3845.2	3841.3	3602.4	3369.2	3317.2	3369.2	3600.5	4029.2	4143.9	4377.0
47.5°	4258.5	4258.5	4084.1	3931.9	3904.9	3935.7	4256.6	4625.6	4615.0	4913.7
50°	4734.5	4730.6	4564.9	4499.4	4527.3	4570.7	5011.9	5253.8	5102.5	5440.7
52.5°	5067.8	5090.9	5034.1	5023.5	5166.1	5241.2	5778.9	5868.5	5539.0	5940.7
55°	5331.8	5358.8	5424.3	5498.5	5773.1	5871.3	6521.7	6451.4	5904.1	6374.3
57.5°	5705.6	5667.1	5768.3	5914.7	6358.9	6477.4	7241.4	7001.5	6198.0	6725.9
60°	6159.4	6165.2	6182.5	6367.5	6943.7	7095.9	7950.5	7521.8	6386.8	6941.8
62.5°	6704.7	6713.4	6749.1	7033.3	7728.9	7872.5	8705.9	7947.6	6473.5	6881.1
65°	6667.2	6703.8	7101.7	8073.8	8922.6	9064.3	9587.4	8246.3	6342.5	6326.1
67.5°	6073.7	6133.4	6799.2	9316.7	10722.4	10880.4	10653.0	8305.1	5776.9	4919.4
70°	5295.2	5316.4	6117.0	10434.3	12806.4	12966.3	11606.8	7658.6	4383.8	2743.9
72.5°	4135.2	4140.0	5079.4	10693.5	13937.5	13946.1	10858.2	5685.4	2357.6	1054.0
75°	2954.0	2925.1	3402.0	8672.1	12262.0	12360.3	8140.3	2666.9	900.8	498.1
77.5°	1583.9	1615.7	1925.0	5143.0	8470.8	8638.4	4441.6	768.8	458.6	339.1
80°	489.4	516.4	789.1	2354.7	4798.0	4899.2	1646.6	342.0	319.9	241.8
82.5°	154.2	159.9	368.0	989.5	1991.5	2037.7	476.9	193.7	218.7	159.9
85°	44.3	45.3	163.8	369.0	492.3	502.0	133.9	75.2	125.3	99.2
87.5°	4.8	15.4	61.7	61.7	43.4	42.4	14.5	16.4	35.6	12.5
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°
1905.7	0°	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7
1914.4	2.5°	1909.6	1910.5	1898.0	1876.8	1853.7	1834.4	1810.3	1791.1	1777.6	1773.7
1931.7	5°	1923.1	1916.3	1880.7	1816.1	1739.1	1672.6	1598.4	1539.6	1501.1	1484.7
1950.1	7.5°	1943.3	1924.0	1846.0	1718.8	1571.4	1440.4	1307.4	1204.3	1138.8	1106.1
1967.4	10°	1960.6	1922.1	1788.2	1578.2	1352.7	1154.2	975.0	850.7	781.4	748.6
1987.6	12.5°	1977.0	1921.1	1713.0	1411.5	1106.1	863.3	696.6	634.9	615.7	608.9
2020.4	15°	2007.9	1924.0	1618.6	1220.7	860.4	652.3	591.6	590.6	594.5	592.5
2070.5	17.5°	2050.3	1926.9	1511.7	1018.4	663.8	575.2	572.3	581.0	586.7	583.9
2133.1	20°	2105.2	1938.5	1398.0	818.0	570.4	555.9	562.7	570.4	575.2	570.4
2216.9	22.5°	2182.2	1958.7	1273.7	657.1	540.5	544.4	550.1	558.8	563.6	556.9
2323.9	25°	2276.7	1990.5	1151.3	571.3	526.1	530.9	539.5	549.2	555.0	548.2
2458.8	27.5°	2399.0	2041.6	1038.6	552.1	511.6	514.5	527.0	541.5	549.2	540.5
2650.5	30°	2576.3	2125.4	941.3	560.7	502.9	496.2	513.5	533.8	542.4	534.7
2911.6	32.5°	2811.4	2243.9	881.6	574.2	499.1	475.0	491.4	517.4	531.8	527.0
3252.7	35°	3119.7	2424.1	858.4	589.6	496.2	452.8	464.4	492.3	517.4	522.2
3682.4	37.5°	3493.5	2674.6	865.2	596.4	487.5	434.5	440.3	464.4	497.1	512.6
4166.0	40°	3918.4	2966.5	903.7	589.6	477.9	419.1	420.1	438.4	467.3	490.4
4686.3	42.5°	4356.8	3307.6	975.0	564.6	469.2	405.6	402.7	415.3	434.5	450.9
5205.6	45°	4774.0	3658.3	1045.4	529.9	458.6	392.1	385.4	390.2	394.1	400.8
5711.4	47.5°	5138.2	3904.9	1025.1	498.1	444.2	376.7	365.2	363.2	351.7	350.7
6163.3	50°	5389.6	3958.9	910.5	466.3	423.0	359.4	341.1	329.5	309.3	299.6
6501.5	52.5°	5469.6	3745.9	743.8	434.5	388.3	336.2	310.2	291.9	266.9	258.2
6696.1	55°	5363.6	3328.8	594.5	396.0	340.1	305.4	276.5	252.4	232.2	221.6
6717.3	57.5°	5104.4	2797.9	470.2	350.7	289.0	270.7	241.8	217.7	200.4	189.8
6482.2	60°	4674.7	2221.7	371.9	296.7	246.6	233.2	203.3	187.9	172.5	159.9
5875.2	62.5°	4022.5	1585.9	291.9	235.1	206.2	190.8	173.4	161.9	143.6	126.2
4783.6	65°	3139.0	970.2	225.5	172.5	165.7	158.0	147.4	136.8	114.7	97.3
3120.7	67.5°	1979.9	459.6	160.9	130.1	131.0	127.2	122.4	113.7	97.3	81.9
1398.0	70°	871.9	222.6	106.0	99.2	97.3	97.3	101.2	98.3	82.9	68.4
485.6	72.5°	296.7	119.5	79.0	75.2	70.3	69.4	84.8	81.9	66.5	53.0
241.8	75°	155.1	80.0	57.8	54.0	42.4	51.1	67.4	63.6	47.2	34.7
159.9	77.5°	101.2	56.8	39.5	34.7	24.1	33.7	50.1	44.3	27.9	17.3
105.0	80°	63.6	37.6	23.1	16.4	11.6	18.3	27.0	19.3	10.6	3.9
61.7	82.5°	33.7	19.3	8.7	5.8	4.8	5.8	6.7	4.8	1.9	0.0
31.8	85°	13.5	6.7	2.9	1.9	1.0	0.0	1.9	1.0	0.0	0.0
5.8	87.5°	4.8	1.0	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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