

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: P852614

Luminaire Tested: **GLAN-SB5A-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852614
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-SB5A-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 14731 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

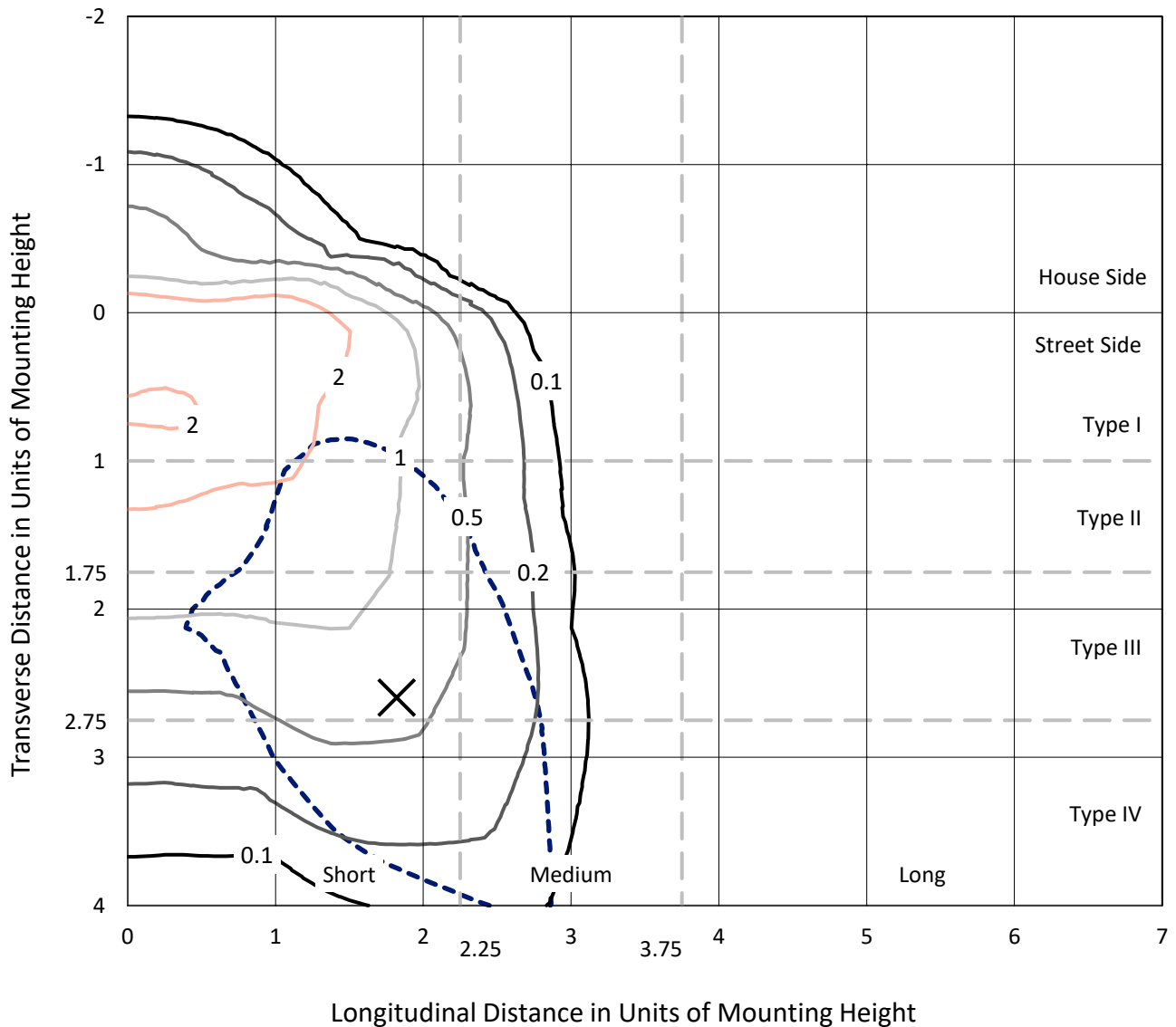
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

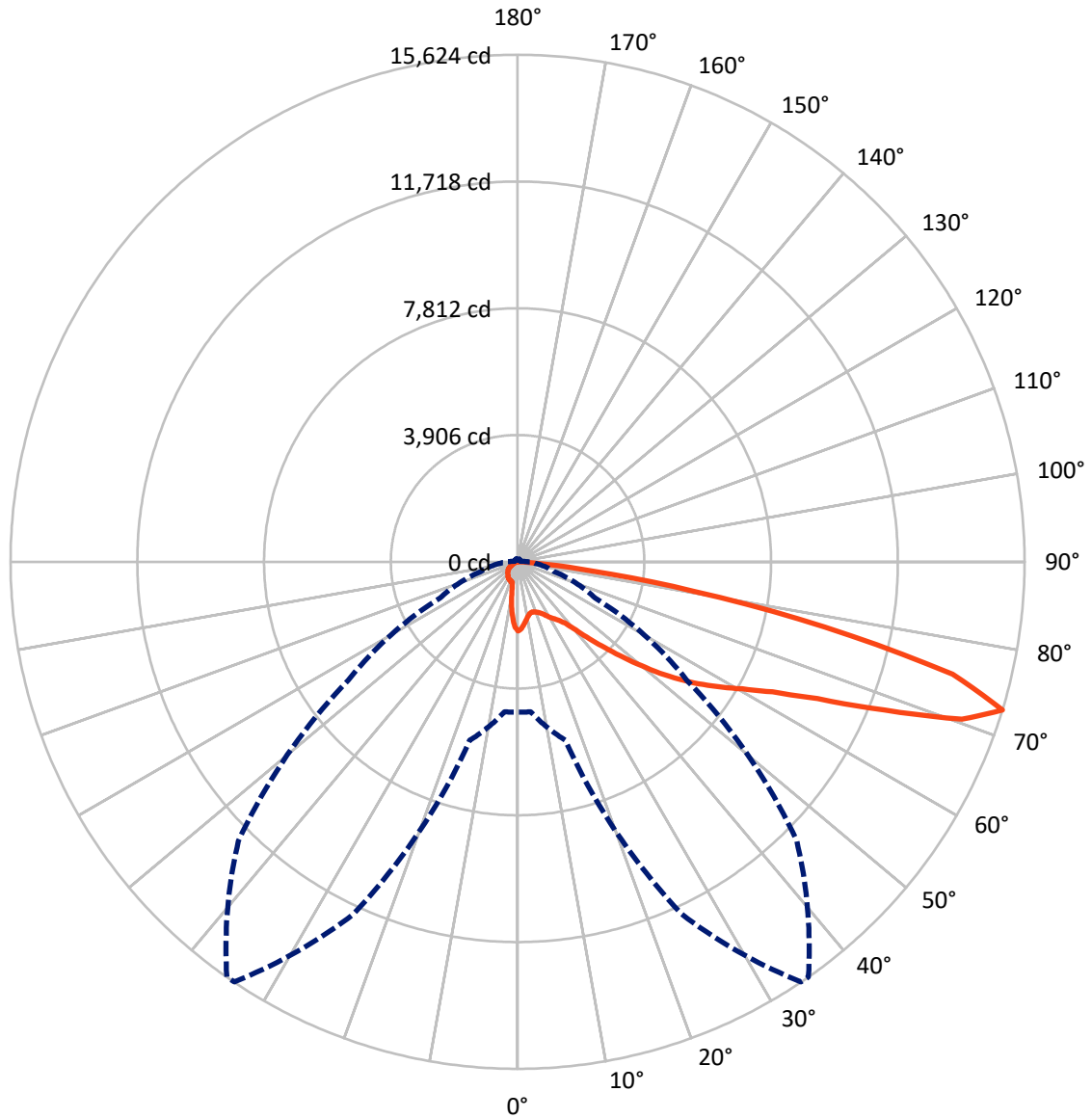
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	1657.9	0.0	1657.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13073.1	0.0	13073.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	14731.0	0.0	14731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.4	1.2
10°-20°	410.4	2.8
20°-30°	666.7	4.5
30°-40°	1112.4	7.6
40°-50°	2104.7	14.3
50°-60°	3344.4	22.7
60°-70°	4137.3	28.1
70°-80°	2571.7	17.5
80°-90°	207.8	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°	14731.0	100.0
0°-180°	14731.0	100.0

Coefficient of Utilization



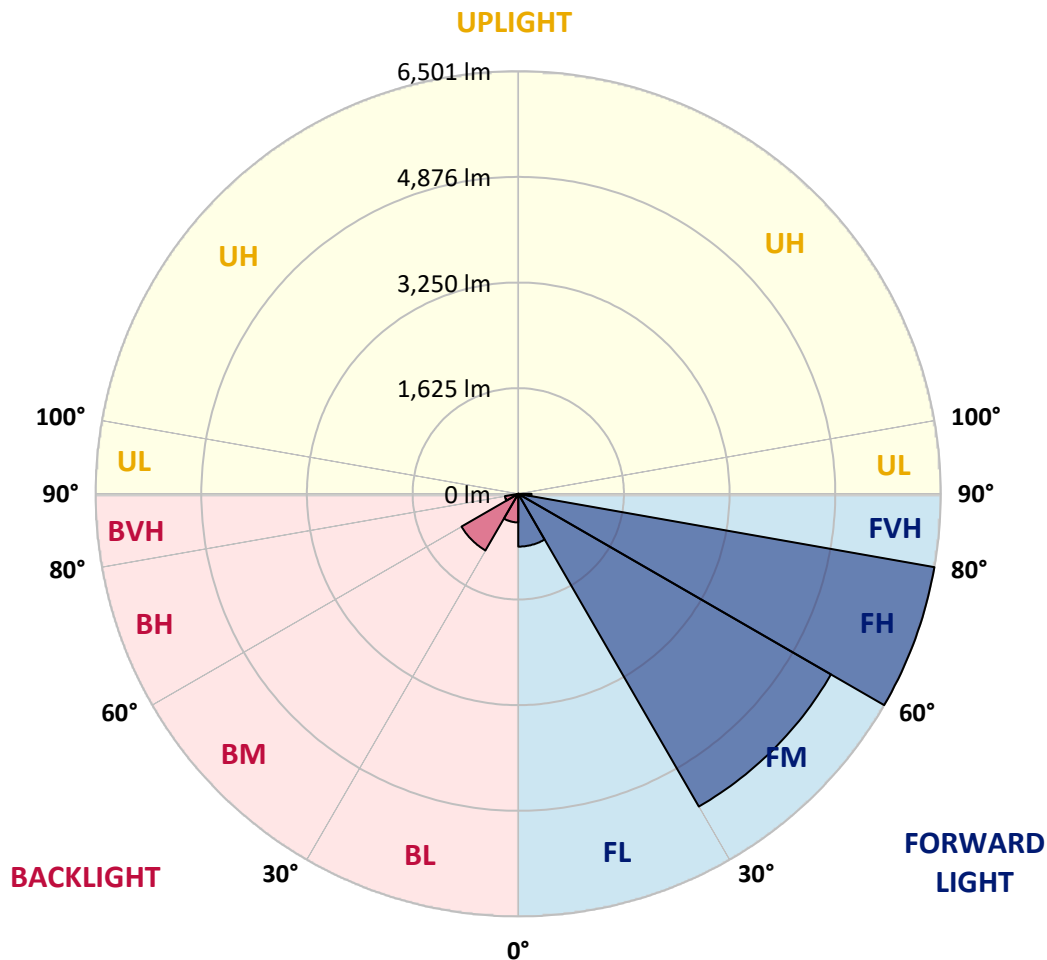
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.1	5.5			
FM (30°-60°)	5555.1	37.7			
FH (60°-80°)	6501.0	44.1			G3/7500
FVH (80°-90°)	205.0	1.4			G2/225
BL (0°-30°)	440.5	3.0	B1/500		
BM (30°-60°)	1006.5	6.8	B2/2500		
BH (60°-80°)	208.0	1.4	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: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0
2.5°	2040.0	2057.3	2060.5	2065.9	2065.9	2072.4	2083.2	2098.3	2123.1	2136.1
5°	1880.3	1893.2	1909.4	1922.4	1947.2	1950.4	1992.5	2033.6	2090.8	2133.9
7.5°	1719.5	1734.6	1756.2	1787.5	1819.8	1829.6	1893.2	1962.3	2053.0	2133.9
10°	1606.1	1607.2	1626.6	1657.9	1709.7	1721.6	1799.3	1897.6	2010.9	2121.0
12.5°	1542.4	1550.0	1558.6	1582.4	1632.0	1639.6	1722.7	1838.2	1968.8	2113.4
15°	1542.4	1547.8	1553.2	1565.1	1605.0	1611.5	1684.9	1800.4	1947.2	2116.7
17.5°	1558.6	1567.3	1562.9	1577.0	1619.1	1623.4	1688.2	1789.6	1946.1	2137.2
20°	1597.5	1604.0	1595.3	1604.0	1646.1	1654.7	1721.6	1810.1	1964.5	2172.8
22.5°	1659.0	1662.2	1641.7	1648.2	1691.4	1702.2	1779.9	1868.4	2008.7	2230.0
25°	1736.7	1743.2	1711.9	1719.5	1760.5	1773.4	1863.0	1955.8	2078.9	2308.8
27.5°	1826.3	1829.6	1802.6	1801.5	1854.4	1872.7	1963.4	2063.8	2172.8	2408.1
30°	1928.9	1938.6	1912.7	1908.3	1975.3	1990.4	2080.0	2196.5	2311.0	2557.1
32.5°	2009.8	2017.4	2002.3	2013.0	2081.0	2092.9	2221.4	2384.4	2527.9	2768.6
35°	2126.4	2130.7	2096.2	2115.6	2193.3	2223.5	2414.6	2647.7	2801.0	3034.1
37.5°	2548.4	2548.4	2401.6	2305.6	2380.0	2407.0	2679.0	2979.1	3137.8	3390.3
40°	3132.4	3122.6	2907.9	2711.4	2701.7	2754.6	3055.7	3396.8	3572.8	3817.8
42.5°	3755.2	3740.1	3447.5	3253.3	3220.9	3239.2	3490.7	3911.7	4090.9	4339.1
45°	4307.8	4303.5	4035.8	3774.6	3716.3	3774.6	4033.6	4514.0	4642.4	4903.6
47.5°	4770.9	4770.9	4575.5	4405.0	4374.7	4409.3	4768.7	5182.1	5170.2	5504.8
50°	5304.1	5299.8	5114.1	5040.7	5072.0	5120.6	5614.9	5885.9	5716.4	6095.3
52.5°	5677.5	5703.4	5639.8	5627.9	5787.6	5871.8	6474.1	6574.5	6205.4	6655.5
55°	5973.3	6003.5	6076.9	6160.0	6467.7	6577.7	7306.3	7227.5	6614.4	7141.2
57.5°	6392.1	6348.9	6462.3	6626.3	7123.9	7256.7	8112.6	7843.9	6943.7	7535.2
60°	6900.5	6907.0	6926.4	7133.6	7779.1	7949.6	8907.1	8426.7	7155.2	7776.9
62.5°	7511.4	7521.1	7561.1	7879.5	8658.8	8819.6	9753.3	8903.8	7252.4	7708.9
65°	7469.3	7510.3	7956.1	9045.2	9996.1	10154.8	10740.9	9238.4	7105.6	7087.2
67.5°	6804.4	6871.3	7617.2	10437.6	12012.4	12189.5	11934.7	9304.3	6472.0	5511.3
70°	5932.3	5956.0	6853.0	11689.7	14347.1	14526.3	13003.3	8580.0	4911.2	3074.1
72.5°	4632.7	4638.1	5690.5	11980.1	15614.3	15624.0	12164.6	6369.4	2641.2	1180.8
75°	3309.4	3277.0	3811.3	9715.5	13737.3	13847.4	9119.7	2987.7	1009.2	558.0
77.5°	1774.5	1810.1	2156.6	5761.7	9489.9	9677.7	4975.9	861.3	513.8	379.9
80°	548.3	578.5	884.0	2638.0	5375.3	5488.7	1844.7	383.2	358.4	270.9
82.5°	172.7	179.2	412.3	1108.5	2231.1	2282.9	534.3	217.0	245.0	179.2
85°	49.7	50.7	183.5	413.4	551.6	562.4	150.0	84.2	140.3	111.2
87.5°	5.4	17.3	69.1	69.1	48.6	47.5	16.2	18.3	39.9	14.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2135.0	0°	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0
2144.7	2.5°	2139.3	2140.4	2126.4	2102.6	2076.7	2055.1	2028.2	2006.6	1991.5	1987.1
2164.2	5°	2154.4	2146.9	2107.0	2034.6	1948.3	1873.8	1790.7	1724.9	1681.7	1663.3
2184.7	7.5°	2177.1	2155.5	2068.1	1925.6	1760.5	1613.7	1464.7	1349.2	1275.8	1239.1
2204.1	10°	2196.5	2153.4	2003.3	1768.0	1515.5	1293.1	1092.3	953.1	875.4	838.7
2226.8	12.5°	2214.9	2152.3	1919.1	1581.3	1239.1	967.1	780.4	711.3	689.7	682.2
2263.5	15°	2249.4	2155.5	1813.4	1367.6	963.9	730.7	662.7	661.7	666.0	663.8
2319.6	17.5°	2296.9	2158.8	1693.5	1140.9	743.7	644.4	641.2	650.9	657.3	654.1
2389.7	20°	2358.4	2171.7	1566.2	916.4	639.0	622.8	630.4	639.0	644.4	639.0
2483.7	22.5°	2444.8	2194.4	1426.9	736.1	605.5	609.9	616.3	626.0	631.4	623.9
2603.5	25°	2550.6	2230.0	1289.9	640.1	589.3	594.7	604.5	615.2	621.7	614.2
2754.6	27.5°	2687.7	2287.2	1163.6	618.5	573.2	576.4	590.4	606.6	615.2	605.5
2969.4	30°	2886.3	2381.1	1054.6	628.2	563.4	555.9	575.3	598.0	607.7	599.1
3261.9	32.5°	3149.6	2513.9	987.6	643.3	559.1	532.1	550.5	579.6	595.8	590.4
3644.0	35°	3495.0	2715.7	961.7	660.6	555.9	507.3	520.3	551.6	579.6	585.0
4125.4	37.5°	3913.8	2996.4	969.3	668.1	546.2	486.8	493.3	520.3	557.0	574.2
4667.2	40°	4389.8	3323.4	1012.5	660.6	535.4	469.5	470.6	491.1	523.5	549.4
5250.1	42.5°	4881.0	3705.5	1092.3	632.5	525.7	454.4	451.2	465.2	486.8	505.2
5831.9	45°	5348.3	4098.4	1171.1	593.7	513.8	439.3	431.8	437.1	441.5	449.0
6398.6	47.5°	5756.3	4374.7	1148.5	558.0	497.6	422.0	409.1	406.9	394.0	392.9
6904.8	50°	6038.1	4435.2	1020.0	522.4	473.8	402.6	382.1	369.1	346.5	335.7
7283.7	52.5°	6127.6	4196.6	833.3	486.8	435.0	376.7	347.6	327.1	299.0	289.3
7501.7	55°	6008.9	3729.3	666.0	443.6	381.0	342.2	309.8	282.8	260.1	248.3
7525.4	57.5°	5718.6	3134.5	526.7	392.9	323.8	303.3	270.9	243.9	224.5	212.6
7262.1	60°	5237.2	2489.1	416.6	332.4	276.3	261.2	227.7	210.5	193.2	179.2
6582.1	62.5°	4506.4	1776.7	327.1	263.4	231.0	213.7	194.3	181.3	160.8	141.4
5359.1	65°	3516.6	1086.9	252.6	193.2	185.7	177.0	165.1	153.3	128.4	109.0
3496.1	67.5°	2218.1	514.9	180.3	145.7	146.8	142.5	137.1	127.4	109.0	91.7
1566.2	70°	976.8	249.3	118.7	111.2	109.0	109.0	113.3	110.1	92.8	76.6
544.0	72.5°	332.4	133.8	88.5	84.2	78.8	77.7	95.0	91.7	74.5	59.4
270.9	75°	173.8	89.6	64.8	60.4	47.5	57.2	75.6	71.2	52.9	38.9
179.2	77.5°	113.3	63.7	44.3	38.9	27.0	37.8	56.1	49.7	31.3	19.4
117.7	80°	71.2	42.1	25.9	18.3	13.0	20.5	30.2	21.6	11.9	4.3
69.1	82.5°	37.8	21.6	9.7	6.5	5.4	6.5	7.6	5.4	2.2	0.0
35.6	85°	15.1	7.6	3.2	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.5	87.5°	5.4	1.1	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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