

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: P945903

Luminaire Tested: **GLAN-SB1D-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7170 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 79.6
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

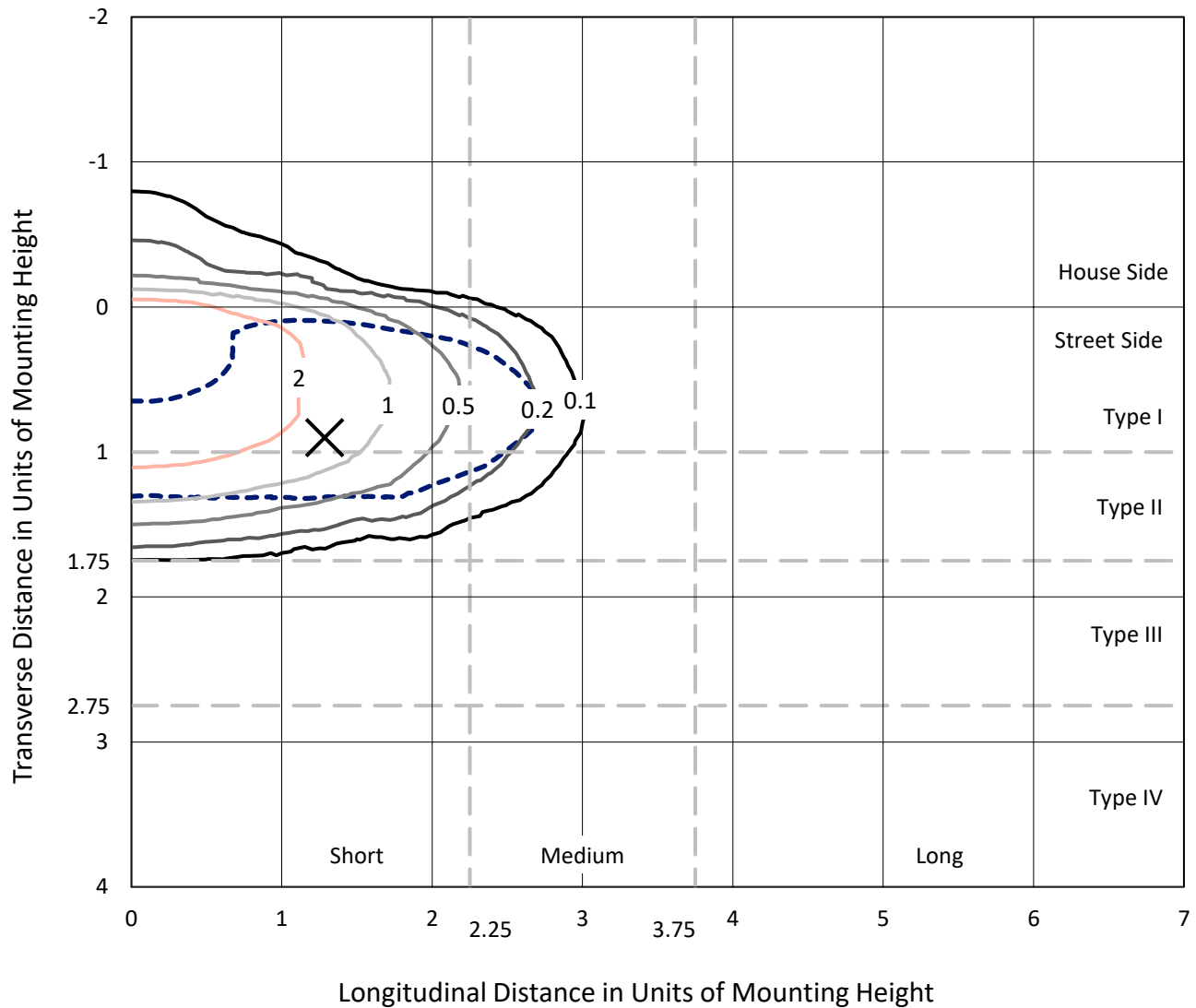


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

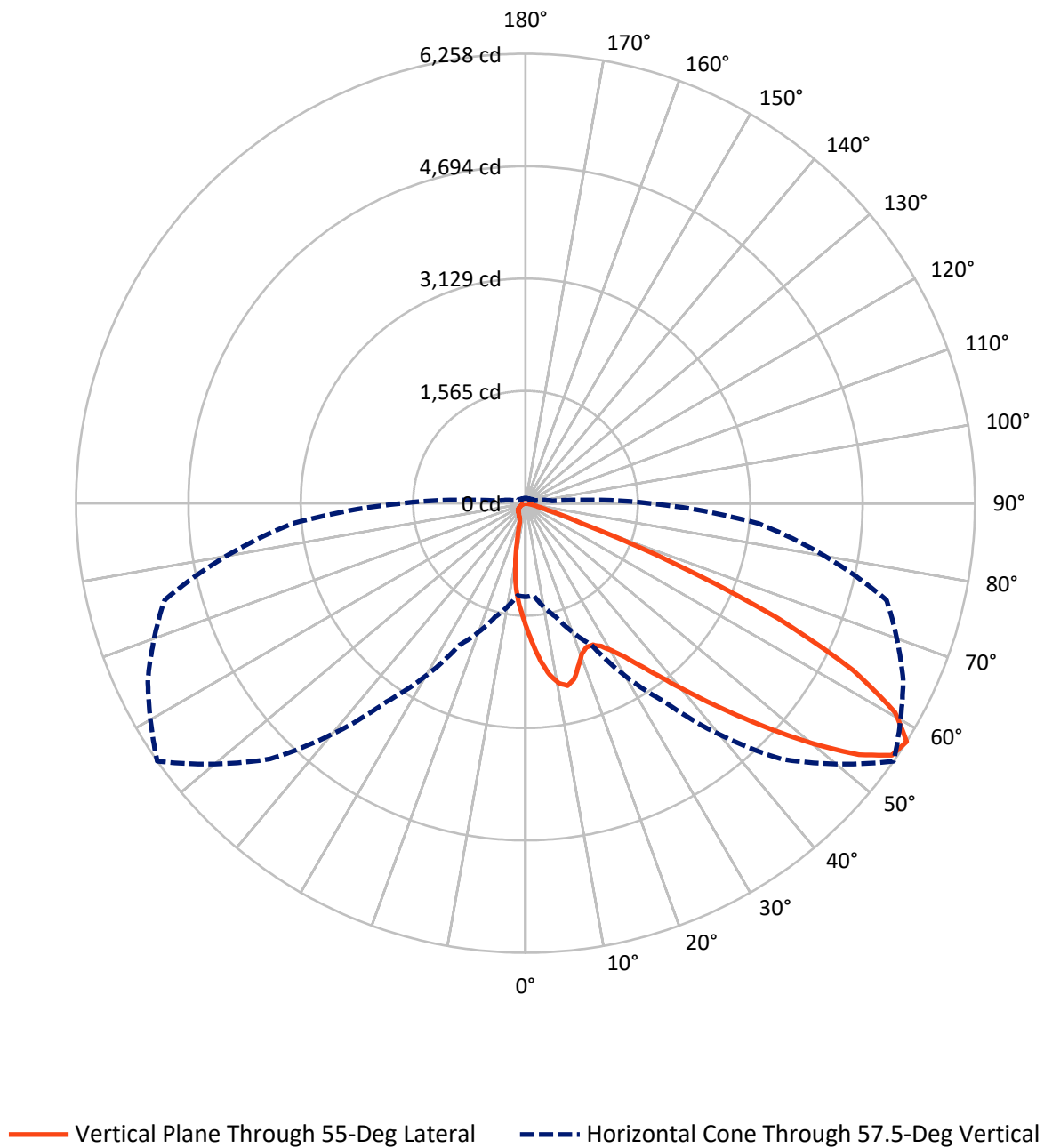


Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	559.9	0.0	559.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	6610.1	0.0	6610.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	7170.0	0.0	7170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	2.2
10°-20°	388.3	5.4
20°-30°	621.3	8.7
30°-40°	1051.6	14.7
40°-50°	1726.5	24.1
50°-60°	1897.6	26.5
60°-70°	1088.4	15.2
70°-80°	222.4	3.1
80°-90°	13.1	0.2
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°	7170.0	100.0
0°-180°	7170.0	100.0

Coefficient of Utilization



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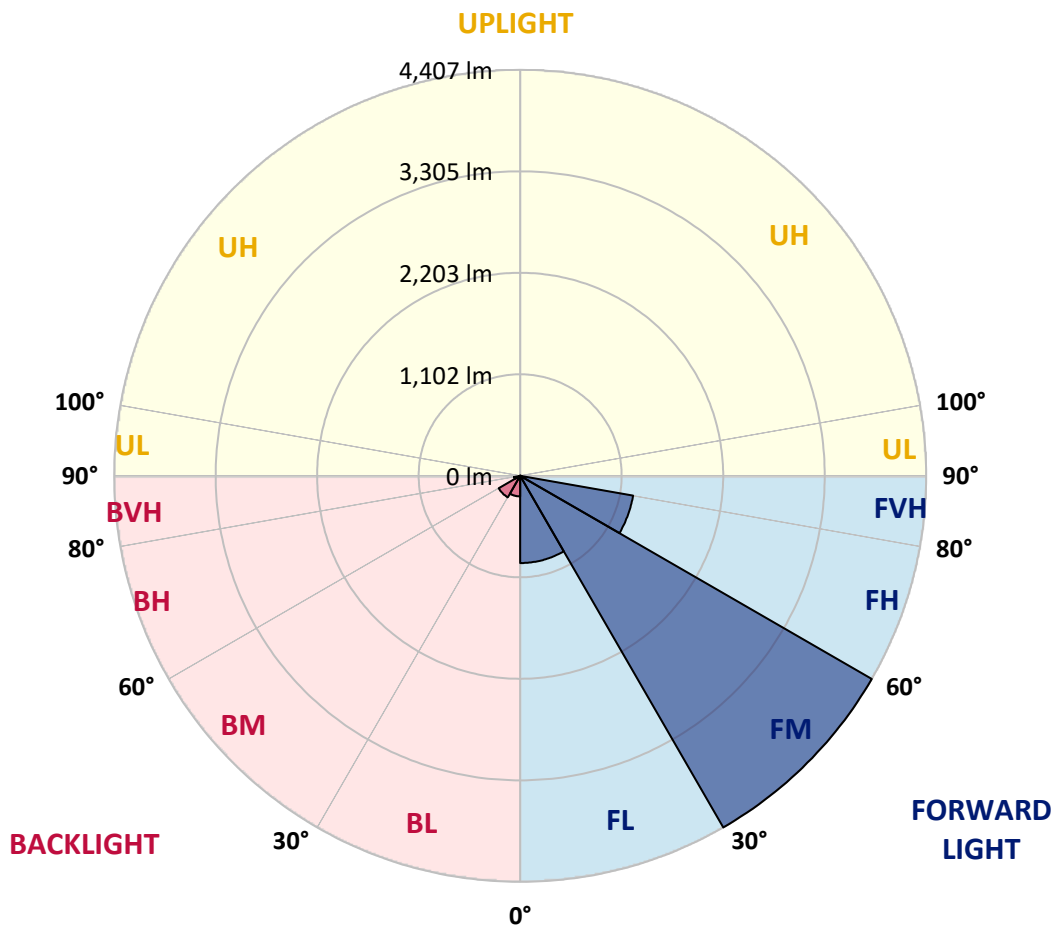
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	946.8	13.2			
FM	(30°-60°)	4406.7	61.5			
FH	(60°-80°)	1244.2	17.4			G1/1800
FVH	(80°-90°)	12.2	0.2			G1/100
BL	(0°-30°)	223.5	3.1	B1/500		
BM	(30°-60°)	268.9	3.8	B1/1000		
BH	(60°-80°)	66.6	0.9	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8
2.5°	2143.8	2116.9	2112.9	2107.6	2056.3	2017.8	1962.1	1901.1	1832.6	1762.7
5°	2476.7	2455.5	2451.5	2426.8	2368.4	2303.0	2204.0	2078.8	1951.1	1800.7
7.5°	2541.3	2537.3	2555.4	2554.6	2546.6	2494.9	2411.3	2262.3	2070.4	1847.6
10°	2253.5	2263.6	2317.6	2364.9	2492.7	2566.9	2548.8	2425.9	2193.3	1901.1
12.5°	1991.3	1979.4	2017.8	2071.3	2219.9	2440.9	2605.8	2562.5	2333.9	1961.7
15°	1826.8	1822.0	1843.6	1868.4	1981.6	2204.4	2539.5	2673.5	2469.2	2033.3
17.5°	1774.2	1770.2	1776.9	1783.1	1856.4	2028.9	2381.7	2741.6	2598.8	2115.1
20°	1817.1	1811.8	1810.9	1806.0	1836.6	1954.2	2238.9	2746.4	2715.0	2189.4
22.5°	1942.2	1936.0	1914.4	1894.9	1897.6	1964.3	2175.2	2697.8	2802.6	2258.8
25°	2169.0	2158.9	2113.8	2048.3	2006.8	2035.1	2184.9	2633.7	2886.1	2313.2
27.5°	2452.9	2439.6	2381.7	2284.4	2189.4	2154.9	2255.2	2589.5	2955.6	2354.7
30°	2731.0	2713.7	2656.7	2581.1	2442.3	2333.5	2382.1	2608.9	3038.2	2398.0
32.5°	3031.2	3014.8	2939.2	2845.5	2730.5	2584.2	2555.9	2704.0	3139.5	2458.6
35°	3410.9	3385.3	3277.9	3150.1	3028.1	2880.0	2791.1	2868.0	3274.3	2551.0
37.5°	3843.3	3808.8	3693.0	3516.6	3357.4	3191.6	3077.6	3093.5	3471.9	2674.8
40°	4251.0	4219.6	4112.6	3946.3	3746.5	3545.3	3423.8	3388.4	3744.7	2825.6
42.5°	4495.4	4467.2	4422.1	4351.8	4183.3	3978.2	3824.8	3748.3	4067.5	3006.0
45°	4509.2	4484.4	4545.0	4626.8	4593.6	4457.0	4270.0	4129.8	4391.5	3175.3
47.5°	4289.9	4273.1	4457.0	4742.6	4885.0	4942.4	4770.0	4479.5	4659.0	3296.9
50°	3692.1	3685.9	4064.4	4588.7	4995.9	5367.7	5297.4	4804.9	4866.4	3359.6
52.5°	3201.4	3178.8	3399.4	4096.2	4834.5	5591.5	5813.0	5124.1	5011.4	3371.6
55°	2428.1	2408.2	2685.0	3272.1	4314.2	5511.9	6190.1	5453.5	5115.3	3341.1
57.5°	1302.5	1290.1	1639.8	2177.9	3372.5	5034.4	6258.2	5801.9	5202.8	3260.2
60°	507.1	504.9	635.8	1056.7	2049.7	4095.8	5914.6	6011.0	5257.7	3160.7
62.5°	306.8	313.5	334.7	474.4	905.5	2544.4	5122.8	5773.2	5294.4	3069.6
65°	253.8	254.2	256.9	325.8	433.7	1064.6	3856.6	4990.6	5203.7	2907.4
67.5°	217.5	221.5	231.7	258.6	305.9	466.9	2220.3	3865.9	4652.4	2529.8
70°	171.5	176.8	189.7	212.7	236.1	292.2	820.6	2572.2	3554.2	1906.9
72.5°	144.6	144.1	150.8	172.9	187.5	205.6	315.7	1441.3	2065.6	910.3
75°	111.9	116.3	124.7	144.6	153.4	149.0	171.1	526.6	740.1	275.9
77.5°	87.5	91.1	98.6	118.0	126.9	105.7	98.6	188.3	237.9	99.0
80°	39.3	42.4	67.2	87.1	103.5	72.9	53.5	96.4	105.7	45.1
82.5°	7.1	11.9	39.3	46.0	53.1	47.3	27.9	50.0	51.7	18.1
85°	0.4	0.9	13.7	16.8	21.2	15.5	8.4	19.9	17.2	6.2
87.5°	0.0	0.0	0.0	0.4	0.4	2.2	2.7	3.5	2.7	2.2
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1727.8	0°	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8
1731.8	2.5°	1699.9	1637.2	1576.1	1526.2	1497.0	1447.5	1414.8	1409.5	1395.8	1407.7
1736.2	5°	1667.2	1554.9	1441.3	1339.6	1256.1	1148.2	1067.7	1033.7	1004.0	1014.2
1747.7	7.5°	1651.7	1474.5	1297.6	1123.9	945.2	772.8	644.6	591.1	550.4	556.2
1760.5	10°	1631.0	1390.9	1113.7	848.4	609.2	439.0	350.6	317.9	299.8	300.2
1779.5	12.5°	1615.1	1291.0	900.2	575.2	370.9	280.3	252.9	244.9	239.6	240.1
1808.3	15°	1607.1	1173.4	689.3	383.3	265.3	237.4	230.8	227.2	223.7	223.3
1840.1	17.5°	1593.8	1042.5	504.5	279.9	232.1	222.4	216.6	212.7	208.2	207.4
1867.5	20°	1573.9	894.0	368.7	236.5	217.5	210.0	202.0	196.7	191.4	190.6
1884.7	22.5°	1537.2	737.0	283.4	218.8	206.9	198.5	188.8	182.6	177.3	176.4
1876.3	25°	1469.2	589.8	238.7	207.8	197.6	187.5	176.8	168.4	163.6	162.7
1858.2	27.5°	1382.9	463.3	216.6	197.6	185.7	176.4	164.5	156.5	152.1	151.2
1834.3	30°	1281.3	356.8	203.8	186.1	171.5	163.6	153.0	146.3	143.7	143.7
1817.5	32.5°	1171.6	285.2	198.5	174.6	159.2	150.3	141.9	139.3	138.4	137.9
1826.8	35°	1068.6	247.6	195.9	165.4	148.1	139.7	136.2	136.6	138.4	138.4
1855.6	37.5°	977.1	235.6	194.5	158.7	138.4	130.9	133.1	137.1	135.3	135.3
1906.0	40°	894.4	237.0	193.6	153.9	130.4	126.0	130.4	127.3	122.9	122.5
1967.4	42.5°	831.2	248.0	191.9	149.9	125.6	122.5	120.7	115.8	115.4	116.3
2031.1	45°	785.2	257.8	191.4	148.1	120.3	114.5	112.3	107.4	116.3	118.5
2057.2	47.5°	730.8	257.8	191.4	141.9	111.4	109.2	105.7	100.4	109.2	111.4
2032.4	50°	660.5	241.4	183.9	134.8	104.3	103.0	96.8	90.2	88.4	89.7
1974.5	52.5°	571.7	211.8	164.9	125.1	97.3	94.6	87.1	82.2	80.9	80.9
1870.6	55°	470.4	177.3	139.3	111.0	89.7	84.9	79.6	77.4	76.0	75.2
1725.1	57.5°	382.4	145.5	111.9	98.6	82.7	76.5	74.7	72.1	69.9	68.5
1603.6	60°	313.9	114.5	92.4	87.5	75.6	69.9	69.4	65.9	60.1	59.2
1503.2	62.5°	242.3	84.0	77.8	76.0	68.5	63.7	62.8	55.7	46.9	45.1
1360.8	65°	171.1	65.4	62.8	66.8	61.0	56.6	54.4	43.8	34.5	33.2
1138.9	67.5°	120.3	54.8	49.5	58.4	53.1	47.3	46.0	37.1	28.7	27.9
861.2	70°	85.8	44.7	40.7	50.0	42.4	41.6	38.9	30.9	23.4	22.5
426.2	72.5°	60.6	34.0	31.4	43.3	29.2	35.8	31.8	23.9	17.7	16.8
145.0	75°	44.7	24.3	22.1	25.2	21.2	27.0	22.5	15.9	11.1	10.6
65.4	77.5°	32.7	15.5	13.3	12.4	12.4	16.8	12.4	6.6	4.9	4.4
33.2	80°	23.0	7.1	6.2	5.3	4.9	4.0	1.8	0.9	0.4	0.4
11.5	82.5°	13.7	3.1	3.1	2.2	1.3	0.0	0.0	0.0	0.0	0.0
4.4	85°	3.1	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
1.8	87.5°	0.4	0.4	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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