

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: P852306

Luminaire Tested: **GLAN-SB2D-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852306
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-SB2D-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 900mA 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: 13703 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

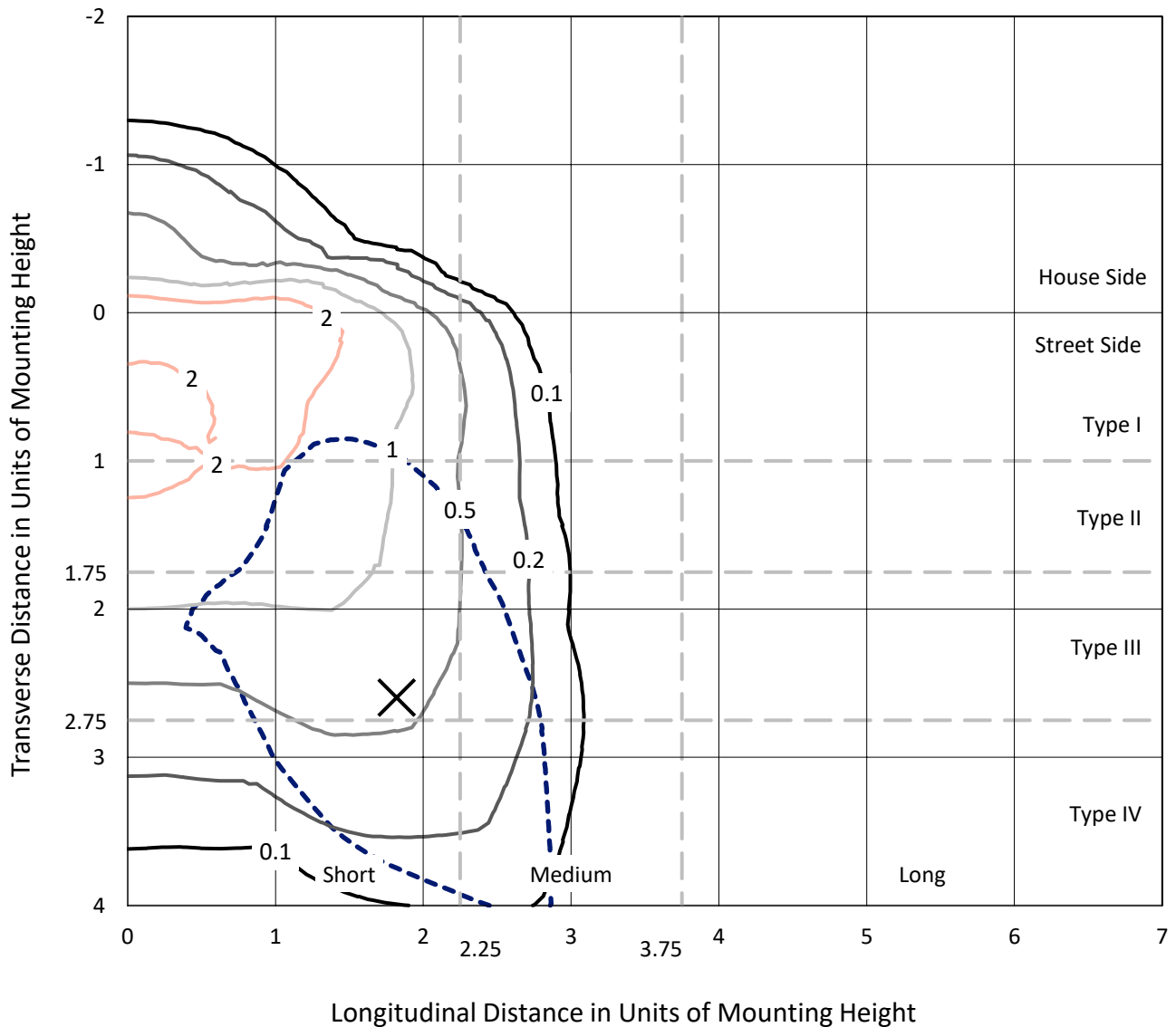
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

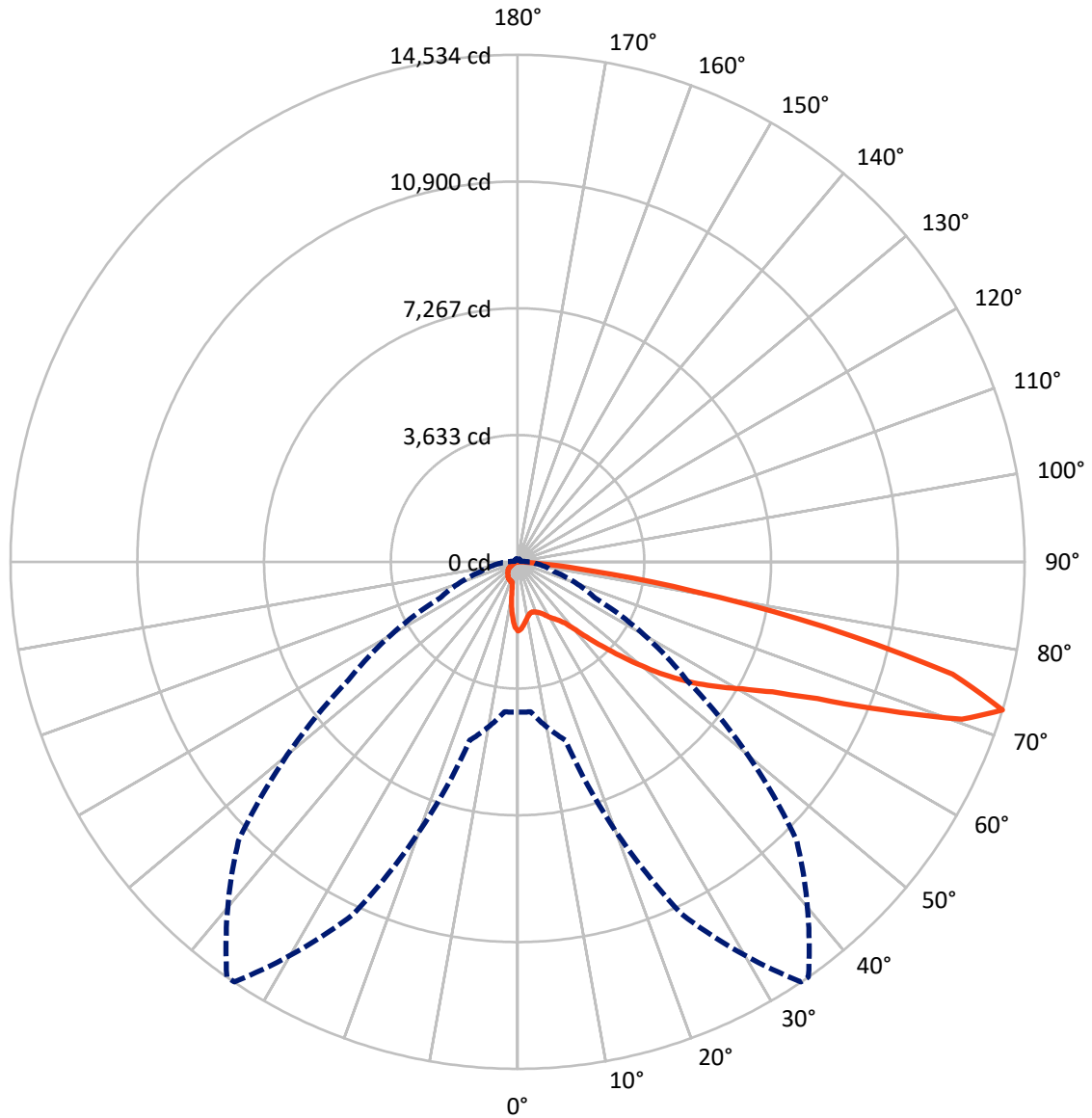
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	1542.2	0.0	1542.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12160.8	0.0	12160.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	13703.0	0.0	13703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	1.2
10°-20°	381.8	2.8
20°-30°	620.2	4.5
30°-40°	1034.8	7.6
40°-50°	1957.9	14.3
50°-60°	3111.0	22.7
60°-70°	3848.5	28.1
70°-80°	2392.3	17.5
80°-90°	193.3	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°	13703.0	100.0
0°-180°	13703.0	100.0

Coefficient of Utilization



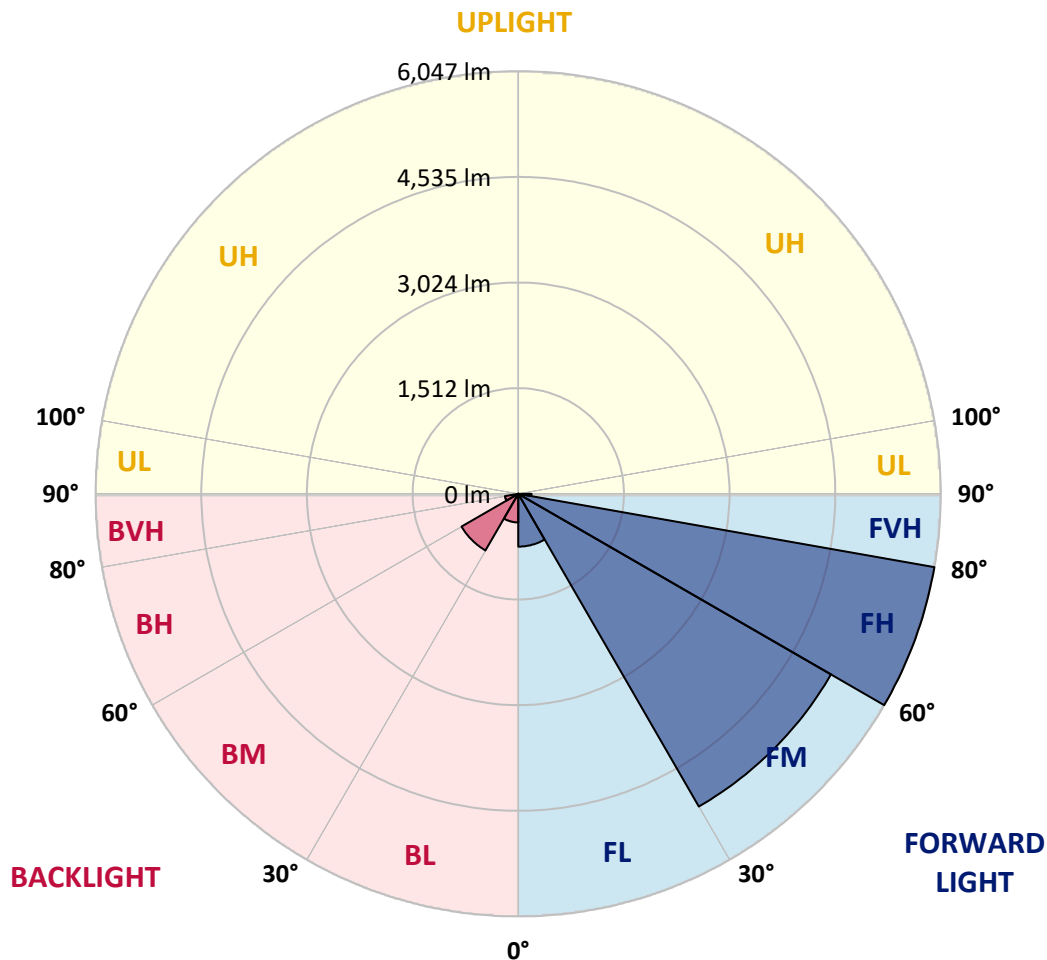
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	755.4	5.5			
FM	(30°-60°)	5167.4	37.7			
FH	(60°-80°)	6047.3	44.1			G3/7500
FVH	(80°-90°)	190.7	1.4			G2/225
BL	(0°-30°)	409.8	3.0	B1/500		
BM	(30°-60°)	936.3	6.8	B1/1000		
BH	(60°-80°)	193.5	1.4	B1/500		G1/500
BVH	(80°-90°)	2.6	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°	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0
2.5°	1897.7	1913.7	1916.7	1921.8	1921.8	1927.8	1937.8	1951.9	1975.0	1987.0
5°	1749.1	1761.1	1776.2	1788.2	1811.3	1814.3	1853.5	1891.6	1944.9	1985.0
7.5°	1599.5	1613.5	1633.6	1662.7	1692.8	1701.9	1761.1	1825.4	1909.7	1985.0
10°	1494.0	1495.0	1513.1	1542.2	1590.4	1601.5	1673.8	1765.1	1870.6	1973.0
12.5°	1434.8	1441.8	1449.9	1471.9	1518.1	1525.2	1602.5	1709.9	1831.4	1965.9
15°	1434.8	1439.8	1444.8	1455.9	1493.0	1499.1	1567.3	1674.8	1811.3	1969.0
17.5°	1449.9	1457.9	1453.9	1466.9	1506.1	1510.1	1570.3	1664.7	1810.3	1988.0
20°	1486.0	1492.0	1484.0	1492.0	1531.2	1539.2	1601.5	1683.8	1827.4	2021.2
22.5°	1543.2	1546.2	1527.2	1533.2	1573.4	1583.4	1655.7	1738.0	1868.5	2074.4
25°	1615.5	1621.6	1592.4	1599.5	1637.6	1649.7	1733.0	1819.4	1933.8	2147.7
27.5°	1698.9	1701.9	1676.8	1675.8	1725.0	1742.0	1826.4	1919.8	2021.2	2240.1
30°	1794.2	1803.3	1779.2	1775.2	1837.4	1851.5	1934.8	2043.3	2149.7	2378.6
32.5°	1869.6	1876.6	1862.5	1872.6	1935.8	1946.9	2066.3	2218.0	2351.5	2575.4
35°	1978.0	1982.0	1949.9	1968.0	2040.2	2068.4	2246.1	2463.0	2605.5	2822.4
37.5°	2370.6	2370.6	2234.0	2144.7	2213.9	2239.0	2492.1	2771.2	2918.8	3153.7
40°	2913.8	2904.7	2704.9	2522.2	2513.2	2562.4	2842.5	3159.8	3323.4	3551.3
42.5°	3493.1	3479.1	3207.0	3026.2	2996.1	3013.2	3247.1	3638.7	3805.4	4036.3
45°	4007.2	4003.2	3754.2	3511.2	3457.0	3511.2	3752.2	4199.0	4318.4	4561.4
47.5°	4437.9	4437.9	4256.2	4097.6	4069.4	4101.6	4435.9	4820.5	4809.4	5120.7
50°	4933.9	4929.9	4757.2	4688.9	4718.1	4763.2	5223.1	5475.1	5317.5	5669.9
52.5°	5281.3	5305.4	5246.2	5235.2	5383.8	5462.1	6022.3	6115.7	5772.3	6191.0
55°	5556.4	5584.6	5652.8	5730.2	6016.3	6118.7	6796.5	6723.2	6152.9	6642.8
57.5°	5946.0	5905.9	6011.3	6163.9	6626.8	6750.3	7546.5	7296.5	6459.1	7009.3
60°	6418.9	6425.0	6443.0	6635.8	7236.2	7394.9	8285.5	7838.7	6655.9	7234.2
62.5°	6987.2	6996.3	7033.4	7329.6	8054.5	8204.1	9072.7	8282.5	6746.3	7171.0
65°	6948.1	6986.2	7400.9	8414.0	9298.6	9446.2	9991.4	8593.7	6609.7	6592.6
67.5°	6329.6	6391.8	7085.6	9709.2	11174.1	11338.8	11101.9	8655.0	6020.3	5126.7
70°	5518.3	5540.4	6374.8	10873.9	13345.9	13512.6	12095.9	7981.2	4568.5	2859.6
72.5°	4309.4	4314.4	5293.4	11144.0	14524.7	14533.7	11315.7	5924.9	2456.9	1098.4
75°	3078.4	3048.3	3545.3	9037.5	12778.6	12881.0	8483.3	2779.2	938.8	519.1
77.5°	1650.7	1683.8	2006.1	5359.7	8827.7	9002.4	4628.7	801.2	477.9	353.4
80°	510.1	538.2	822.3	2453.9	5000.2	5105.6	1715.9	356.4	333.3	252.0
82.5°	160.6	166.7	383.5	1031.2	2075.4	2123.6	497.0	201.8	227.9	166.7
85°	46.2	47.2	170.7	384.6	513.1	523.1	139.6	78.3	130.5	103.4
87.5°	5.0	16.1	64.3	64.3	45.2	44.2	15.1	17.1	37.2	13.1
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°
1986.0	0°	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0	1986.0
1995.1	2.5°	1990.0	1991.0	1978.0	1955.9	1931.8	1911.7	1886.6	1866.5	1852.5	1848.5
2013.1	5°	2004.1	1997.1	1959.9	1892.6	1812.3	1743.0	1665.7	1604.5	1564.3	1547.3
2032.2	7.5°	2025.2	2005.1	1923.8	1791.2	1637.6	1501.1	1362.5	1255.1	1186.8	1152.7
2050.3	10°	2043.3	2003.1	1863.5	1644.6	1409.7	1202.9	1016.1	886.6	814.3	780.2
2071.4	12.5°	2060.3	2002.1	1785.2	1470.9	1152.7	899.6	725.9	661.7	641.6	634.6
2105.5	15°	2092.5	2005.1	1686.8	1272.1	896.6	679.7	616.5	615.5	619.5	617.5
2157.7	17.5°	2136.6	2008.1	1575.4	1061.3	691.8	599.4	596.4	605.4	611.5	608.5
2223.0	20°	2193.9	2020.2	1456.9	852.4	594.4	579.3	586.4	594.4	599.4	594.4
2310.3	22.5°	2274.2	2041.2	1327.4	684.8	563.3	567.3	573.3	582.4	587.4	580.3
2421.8	25°	2372.6	2074.4	1199.8	595.4	548.2	553.2	562.3	572.3	578.3	571.3
2562.4	27.5°	2500.1	2127.6	1082.4	575.3	533.2	536.2	549.2	564.3	572.3	563.3
2762.2	30°	2684.8	2214.9	981.0	584.4	524.1	517.1	535.2	556.2	565.3	557.3
3034.3	32.5°	2929.8	2338.4	918.7	598.4	520.1	495.0	512.1	539.2	554.2	549.2
3389.7	35°	3251.1	2526.2	894.6	614.5	517.1	471.9	484.0	513.1	539.2	544.2
3837.5	37.5°	3640.7	2787.3	901.6	621.5	508.1	452.8	458.9	484.0	518.1	534.2
4341.5	40°	4083.5	3091.5	941.8	614.5	498.0	436.8	437.8	456.8	487.0	511.1
4883.7	42.5°	4540.3	3446.9	1016.1	588.4	489.0	422.7	419.7	432.7	452.8	469.9
5424.9	45°	4975.1	3812.4	1089.4	552.2	477.9	408.7	401.6	406.6	410.7	417.7
5952.0	47.5°	5354.6	4069.4	1068.3	519.1	462.9	392.6	380.5	378.5	366.5	365.5
6423.0	50°	5616.7	4125.7	948.8	486.0	440.8	374.5	355.4	343.4	322.3	312.3
6775.4	52.5°	5700.0	3903.8	775.1	452.8	404.6	350.4	323.3	304.2	278.1	269.1
6978.2	55°	5589.6	3469.0	619.5	412.7	354.4	318.3	288.2	263.1	242.0	230.9
7000.3	57.5°	5319.5	2915.8	490.0	365.5	301.2	282.1	252.0	226.9	208.8	197.8
6755.3	60°	4871.7	2315.4	387.6	309.2	257.0	243.0	211.9	195.8	179.7	166.7
6122.7	62.5°	4191.9	1652.7	304.2	245.0	214.9	198.8	180.7	168.7	149.6	131.5
4985.1	65°	3271.2	1011.1	234.9	179.7	172.7	164.7	153.6	142.6	119.5	101.4
3252.1	67.5°	2063.3	478.9	167.7	135.5	136.6	132.5	127.5	118.5	101.4	85.3
1456.9	70°	908.7	231.9	110.4	103.4	101.4	101.4	105.4	102.4	86.3	71.3
506.0	72.5°	309.2	124.5	82.3	78.3	73.3	72.3	88.4	85.3	69.3	55.2
252.0	75°	161.7	83.3	60.2	56.2	44.2	53.2	70.3	66.3	49.2	36.1
166.7	77.5°	105.4	59.2	41.2	36.1	25.1	35.1	52.2	46.2	29.1	18.1
109.4	80°	66.3	39.2	24.1	17.1	12.0	19.1	28.1	20.1	11.0	4.0
64.3	82.5°	35.1	20.1	9.0	6.0	5.0	6.0	7.0	5.0	2.0	0.0
33.1	85°	14.1	7.0	3.0	2.0	1.0	0.0	2.0	1.0	0.0	0.0
6.0	87.5°	5.0	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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