

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: P852728

Luminaire Tested: **GLAN-SB6A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852728
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-SB6A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 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: 16105 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

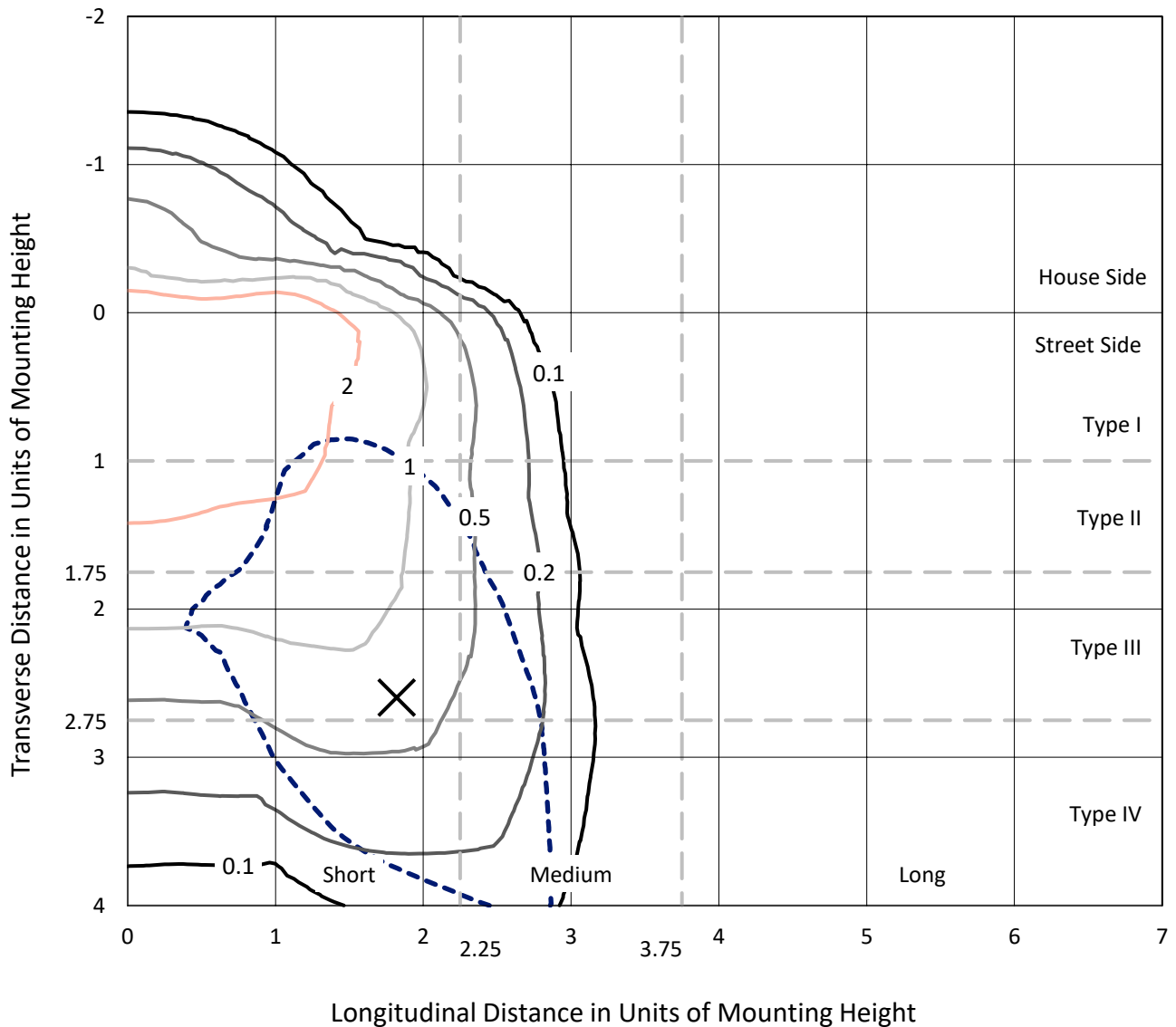
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852728
 CATALOG NUMBER: GLAN-SB6A-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

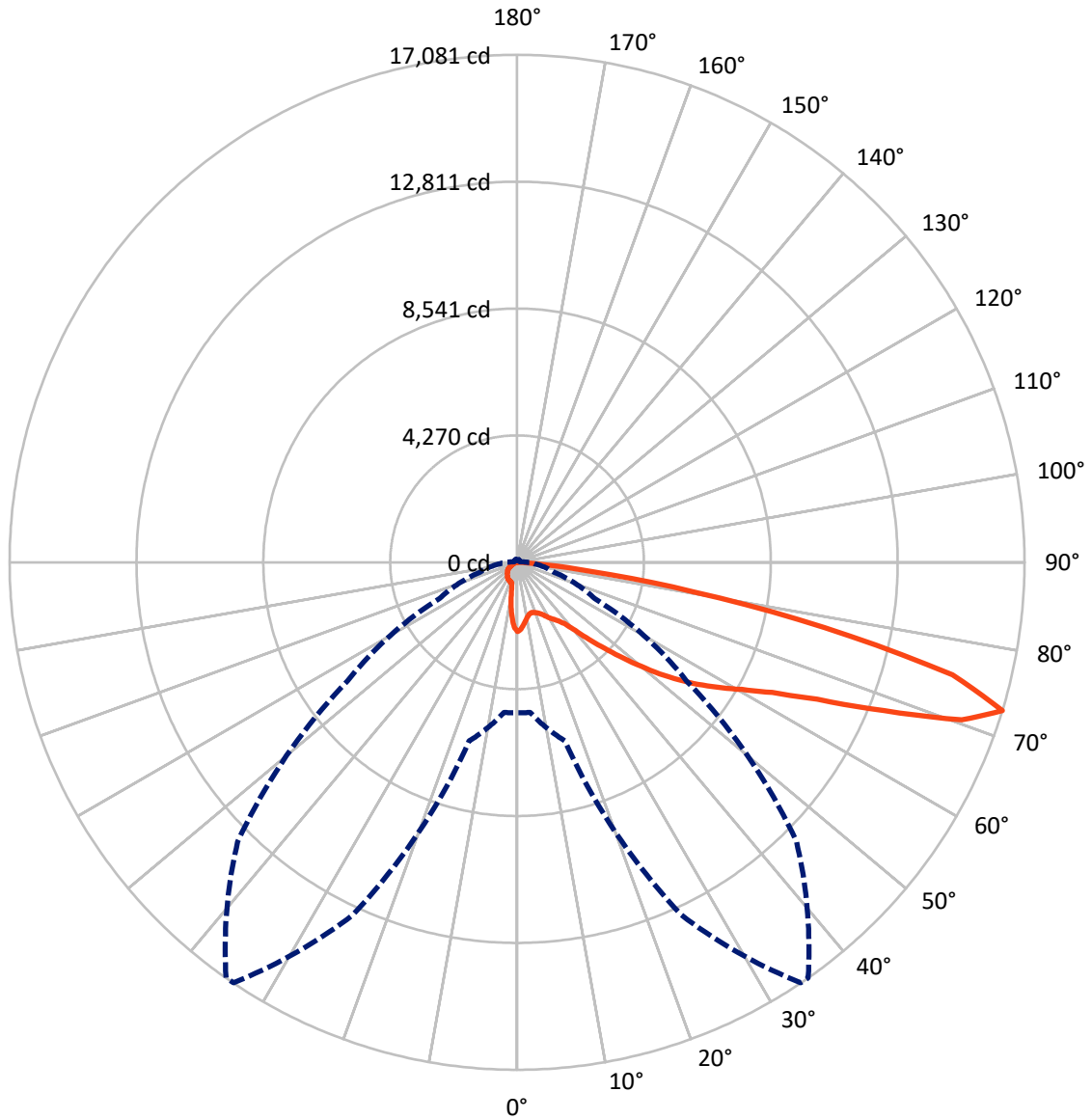
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P852728
CATALOG NUMBER: GLAN-SB6A-722-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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 CATALOG NUMBER: GLAN-SB6A-722-U-T4FT-HSS

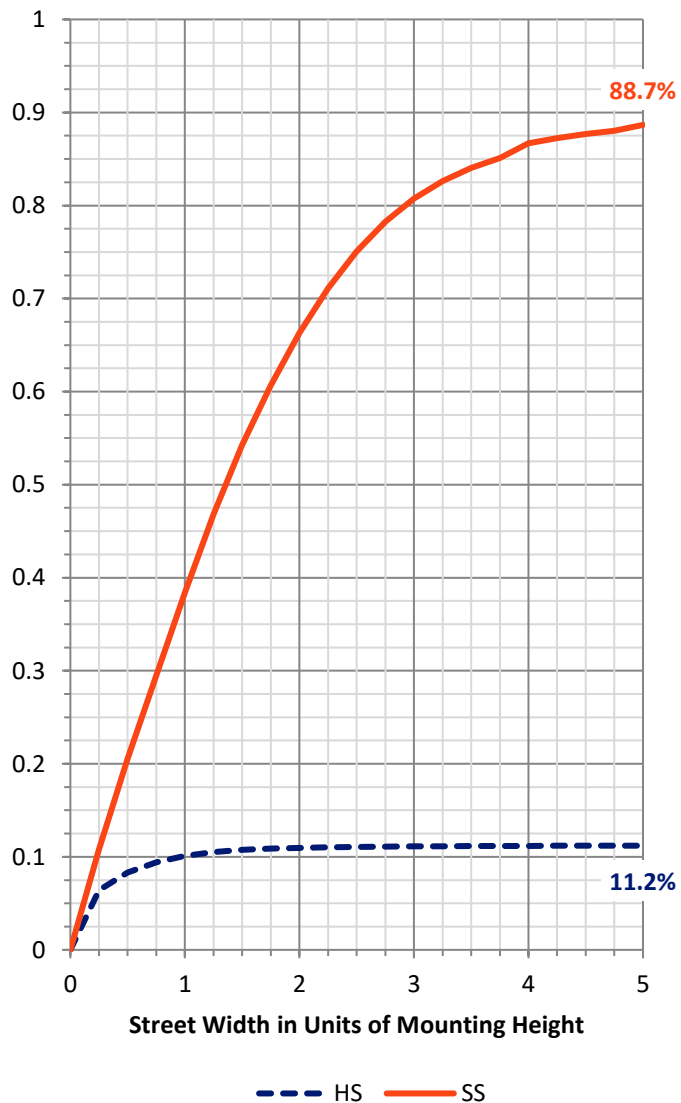
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1812.5	0.0	1812.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14292.5	0.0	14292.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	16105.0	0.0	16105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	1.2
10°-20°	448.7	2.8
20°-30°	728.9	4.5
30°-40°	1216.2	7.6
40°-50°	2301.0	14.3
50°-60°	3656.4	22.7
60°-70°	4523.2	28.1
70°-80°	2811.6	17.5
80°-90°	227.2	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°	16105.0	100.0
0°-180°	16105.0	100.0

Coefficient of Utilization



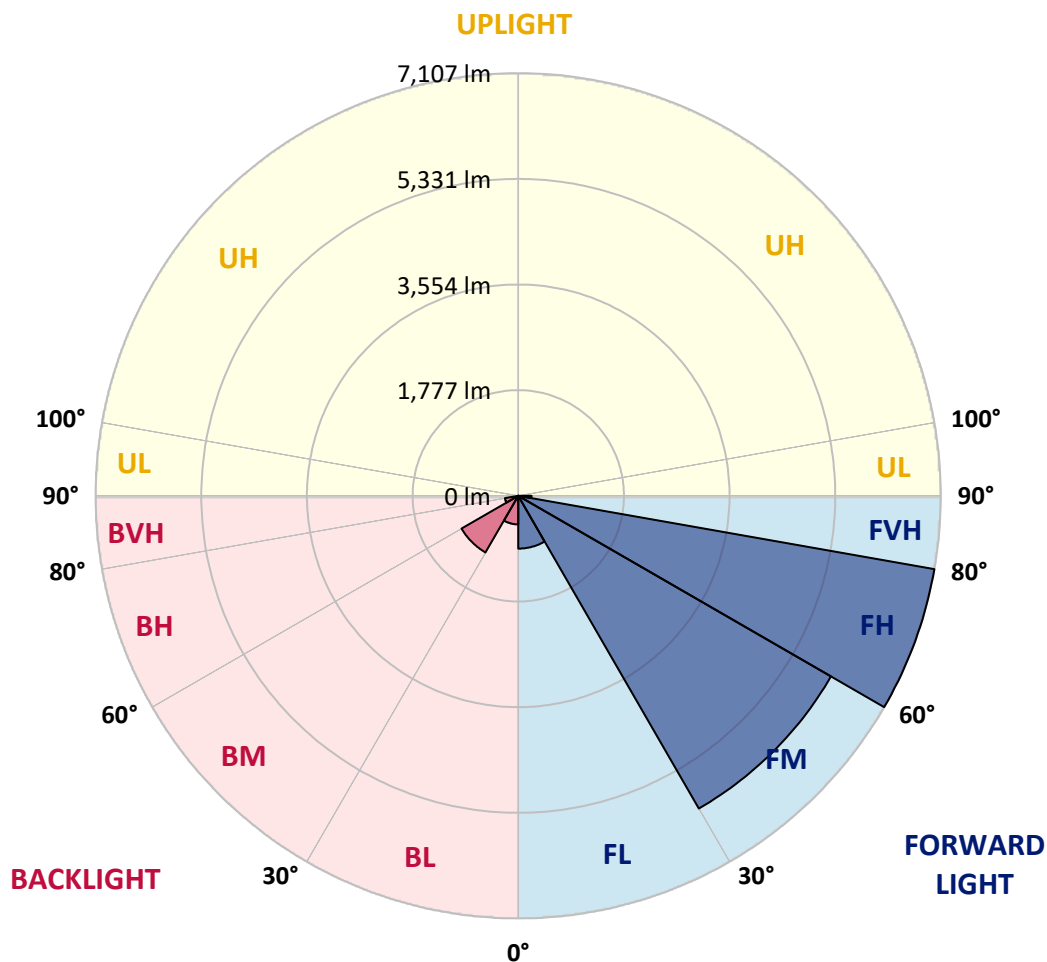
REPORT NUMBER: P852728
 CATALOG NUMBER: GLAN-SB6A-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	887.8	5.5			
FM (30°-60°)	6073.2	37.7			
FH (60°-80°)	7107.3	44.1			G3/7500
FVH (80°-90°)	224.1	1.4			G2/225
BL (0°-30°)	481.6	3.0	B1/500		
BM (30°-60°)	1100.4	6.8	B2/2500		
BH (60°-80°)	227.4	1.4	B1/500		G1/500
BVH (80°-90°)	3.1	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



REPORT NUMBER: P852728
 CATALOG NUMBER: GLAN-SB6A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2
2.5°	2230.3	2249.2	2252.7	2258.6	2258.6	2265.7	2277.5	2294.0	2321.2	2335.3
5°	2055.7	2069.8	2087.5	2101.7	2128.8	2132.4	2178.4	2223.2	2285.8	2333.0
7.5°	1879.8	1896.4	1920.0	1954.2	1989.6	2000.2	2069.8	2145.3	2244.5	2333.0
10°	1755.9	1757.1	1778.3	1812.6	1869.2	1882.2	1967.2	2074.5	2198.4	2318.8
12.5°	1686.3	1694.6	1704.0	1730.0	1784.2	1792.5	1883.4	2009.6	2152.4	2310.6
15°	1686.3	1692.2	1698.1	1711.1	1754.7	1761.8	1842.1	1968.3	2128.8	2314.1
17.5°	1704.0	1713.4	1708.7	1724.1	1770.1	1774.8	1845.6	1956.5	2127.6	2336.5
20°	1746.5	1753.6	1744.1	1753.6	1799.6	1809.0	1882.2	1979.0	2147.7	2375.5
22.5°	1813.7	1817.3	1794.9	1801.9	1849.2	1861.0	1945.9	2042.7	2196.1	2438.0
25°	1898.7	1905.8	1871.6	1879.8	1924.7	1938.8	2036.8	2138.3	2272.8	2524.1
27.5°	1996.7	2000.2	1970.7	1969.5	2027.3	2047.4	2146.5	2256.3	2375.5	2632.7
30°	2108.8	2119.4	2091.1	2086.3	2159.5	2176.0	2274.0	2401.4	2526.5	2795.6
32.5°	2197.3	2205.5	2189.0	2200.8	2275.2	2288.1	2428.6	2606.7	2763.7	3026.8
35°	2324.7	2329.4	2291.7	2312.9	2397.9	2430.9	2639.8	2894.7	3062.3	3317.1
37.5°	2786.1	2786.1	2625.6	2520.6	2602.0	2631.5	2928.9	3257.0	3430.4	3706.6
40°	3424.5	3413.9	3179.1	2964.3	2953.7	3011.5	3340.7	3713.6	3906.0	4173.9
42.5°	4105.4	4088.9	3769.1	3556.7	3521.3	3541.4	3816.3	4276.5	4472.4	4743.8
45°	4709.6	4704.9	4412.2	4126.7	4062.9	4126.7	4409.9	4935.0	5075.4	5361.0
47.5°	5215.9	5215.9	5002.3	4815.8	4782.8	4820.5	5213.5	5665.5	5652.5	6018.3
50°	5798.8	5794.1	5591.1	5510.9	5545.1	5598.2	6138.7	6434.9	6249.6	6663.8
52.5°	6207.1	6235.4	6165.8	6152.8	6327.5	6419.5	7078.0	7187.7	6784.2	7276.2
55°	6530.4	6563.5	6643.7	6734.6	7070.9	7191.3	7987.8	7901.7	7231.4	7807.3
57.5°	6988.3	6941.1	7065.0	7244.4	7788.4	7933.5	8869.3	8575.5	7591.3	8238.0
60°	7544.1	7551.2	7572.4	7799.0	8504.7	8691.1	9737.8	9212.7	7822.6	8502.3
62.5°	8212.0	8222.6	8266.3	8614.4	9466.4	9642.3	10663.0	9734.3	7928.8	8428.0
65°	8166.0	8210.8	8698.2	9888.9	10928.5	11102.0	11742.8	10100.1	7768.3	7748.3
67.5°	7439.1	7512.2	8327.7	11411.2	13132.9	13326.4	13047.9	10172.1	7075.6	6025.4
70°	6485.6	6511.6	7492.2	12780.0	15685.3	15881.2	14216.2	9380.3	5369.3	3360.8
72.5°	5064.8	5070.7	6221.3	13097.5	17070.7	17081.3	13299.3	6963.5	2887.6	1291.0
75°	3618.1	3582.7	4166.8	10621.7	15018.6	15139.0	9970.3	3266.4	1103.4	610.1
77.5°	1940.0	1979.0	2357.8	6299.1	10375.1	10580.4	5440.1	941.7	561.7	415.4
80°	599.5	632.5	966.5	2884.1	5876.7	6000.6	2016.7	418.9	391.8	296.2
82.5°	188.8	195.9	450.8	1211.9	2439.2	2495.8	584.1	237.2	267.9	195.9
85°	54.3	55.5	200.6	452.0	603.0	614.8	164.0	92.0	153.4	121.5
87.5°	5.9	18.9	75.5	75.5	53.1	51.9	17.7	20.1	43.7	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852728
 CATALOG NUMBER: GLAN-SB6A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2334.2	0°	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2
2344.8	2.5°	2338.9	2340.1	2324.7	2298.8	2270.4	2246.8	2217.3	2193.7	2177.2	2172.5
2366.0	5°	2355.4	2347.1	2303.5	2224.4	2130.0	2048.6	1957.7	1885.7	1838.5	1818.5
2388.4	7.5°	2380.2	2356.6	2261.0	2105.2	1924.7	1764.2	1601.3	1475.1	1394.8	1354.7
2409.7	10°	2401.4	2354.2	2190.2	1932.9	1656.8	1413.7	1194.2	1042.0	957.0	916.9
2434.5	12.5°	2421.5	2353.0	2098.1	1728.8	1354.7	1057.3	853.2	777.7	754.1	745.8
2474.6	15°	2459.2	2356.6	1982.5	1495.1	1053.8	798.9	724.6	723.4	728.1	725.7
2535.9	17.5°	2511.2	2360.1	1851.5	1247.3	813.1	704.5	701.0	711.6	718.7	715.1
2612.6	20°	2578.4	2374.3	1712.3	1001.9	698.6	680.9	689.2	698.6	704.5	698.6
2715.3	22.5°	2672.8	2399.1	1560.0	804.8	662.0	666.7	673.8	684.4	690.3	682.1
2846.3	25°	2788.5	2438.0	1410.2	699.8	644.3	650.2	660.8	672.6	679.7	671.5
3011.5	27.5°	2938.3	2500.5	1272.1	676.2	626.6	630.2	645.5	663.2	672.6	662.0
3246.3	30°	3155.5	2603.2	1152.9	686.8	616.0	607.7	629.0	653.8	664.4	654.9
3566.1	32.5°	3443.4	2748.4	1079.8	703.3	611.3	581.8	601.8	633.7	651.4	645.5
3983.9	35°	3821.0	2969.0	1051.4	722.2	607.7	554.6	568.8	603.0	633.7	639.6
4510.2	37.5°	4278.9	3275.8	1059.7	730.5	597.1	532.2	539.3	568.8	608.9	627.8
5102.6	40°	4799.3	3633.4	1106.9	722.2	585.3	513.3	514.5	536.9	572.3	600.6
5739.8	42.5°	5336.2	4051.1	1194.2	691.5	574.7	496.8	493.3	508.6	532.2	552.3
6375.9	45°	5847.2	4480.7	1280.4	649.0	561.7	480.3	472.0	477.9	482.6	490.9
6995.4	47.5°	6293.2	4782.8	1255.6	610.1	544.0	461.4	447.2	444.9	430.7	429.5
7548.8	50°	6601.2	4848.9	1115.2	571.1	518.0	440.2	417.7	403.6	378.8	367.0
7963.0	52.5°	6699.2	4588.1	911.0	532.2	475.6	411.8	380.0	357.6	326.9	316.3
8201.4	55°	6569.4	4077.1	728.1	485.0	416.6	374.1	338.7	309.2	284.4	271.4
8227.4	57.5°	6251.9	3426.9	575.9	429.5	354.0	331.6	296.2	266.7	245.5	232.5
7939.4	60°	5725.6	2721.2	455.5	363.5	302.1	285.6	249.0	230.1	211.2	195.9
7196.0	62.5°	4926.7	1942.4	357.6	287.9	252.5	233.7	212.4	198.2	175.8	154.6
5859.0	65°	3844.6	1188.3	276.1	211.2	203.0	193.5	180.5	167.6	140.4	119.2
3822.2	67.5°	2425.0	562.9	197.1	159.3	160.5	155.8	149.9	139.2	119.2	100.3
1712.3	70°	1068.0	272.6	129.8	121.5	119.2	119.2	123.9	120.4	101.5	83.8
594.7	72.5°	363.5	146.3	96.8	92.0	86.1	85.0	103.8	100.3	81.4	64.9
296.2	75°	190.0	97.9	70.8	66.1	51.9	62.5	82.6	77.9	57.8	42.5
195.9	77.5°	123.9	69.6	48.4	42.5	29.5	41.3	61.4	54.3	34.2	21.2
128.6	80°	77.9	46.0	28.3	20.1	14.2	22.4	33.0	23.6	13.0	4.7
75.5	82.5°	41.3	23.6	10.6	7.1	5.9	7.1	8.3	5.9	2.4	0.0
38.9	85°	16.5	8.3	3.5	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.1	87.5°	5.9	1.2	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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2334.2
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