

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: P852652

Luminaire Tested: **GLAN-SB5B-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852652
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-SB5B-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 450mA 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: 14530 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

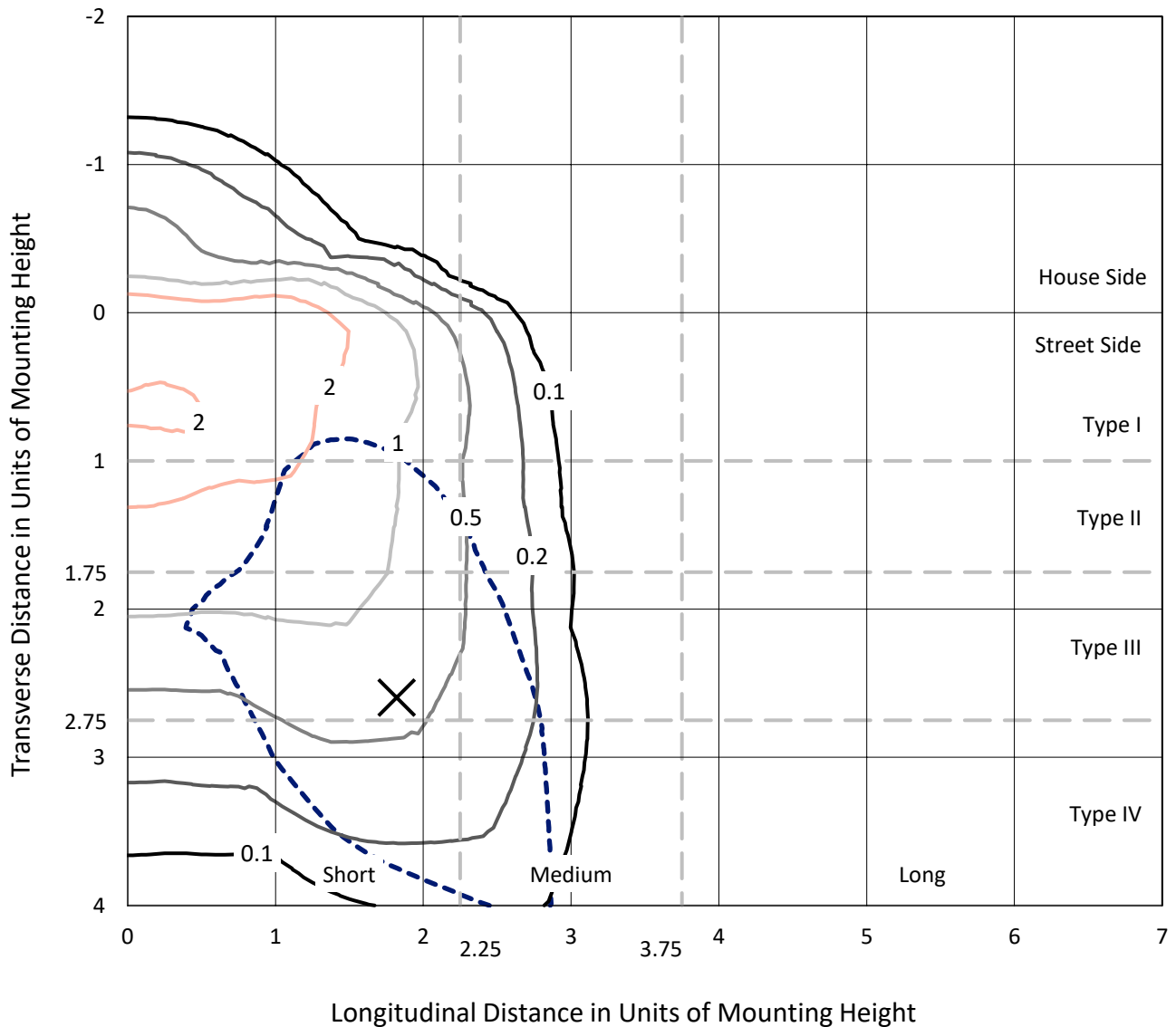
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

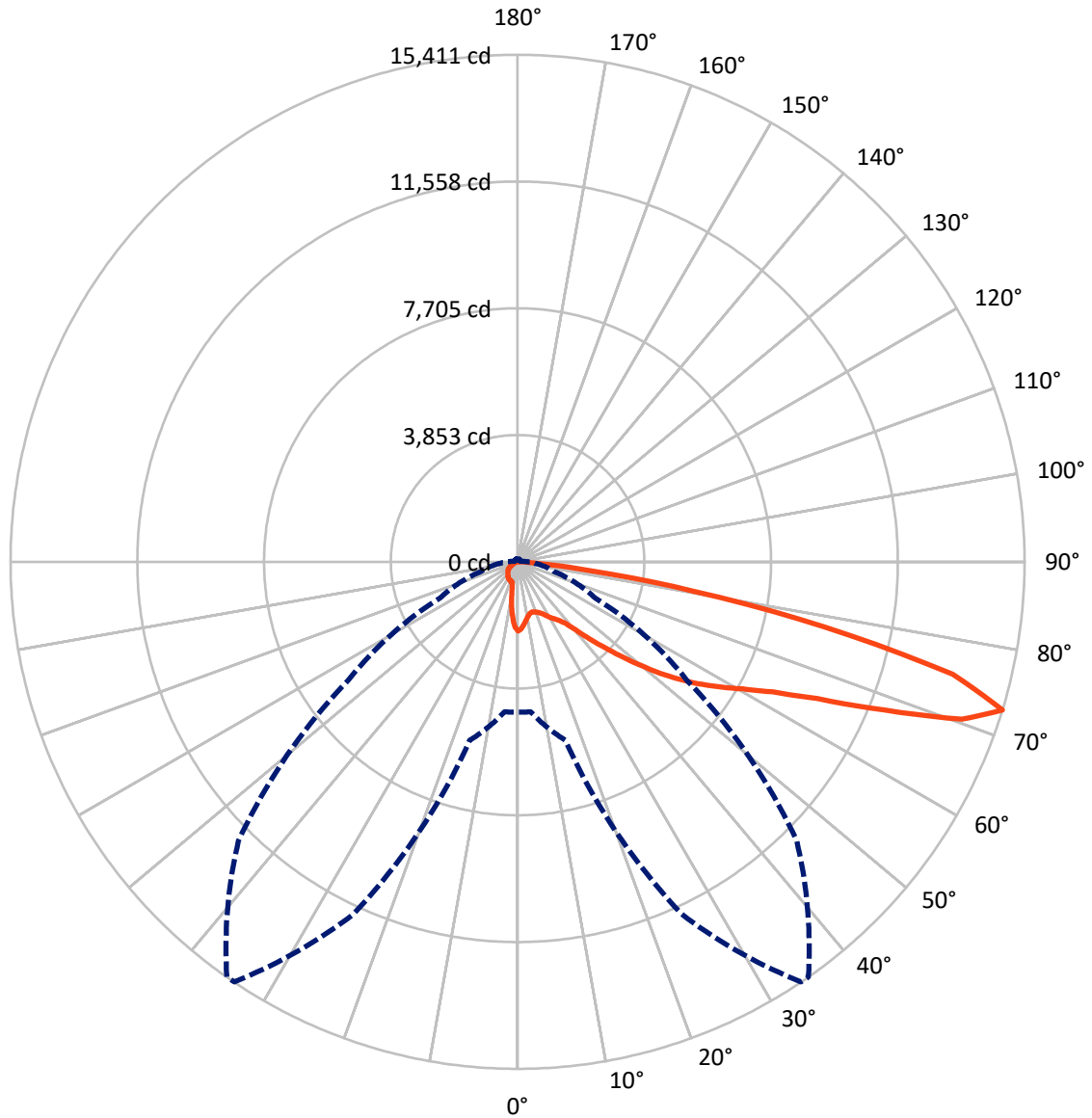
× Max cd
 - - - 1/2 Max cd



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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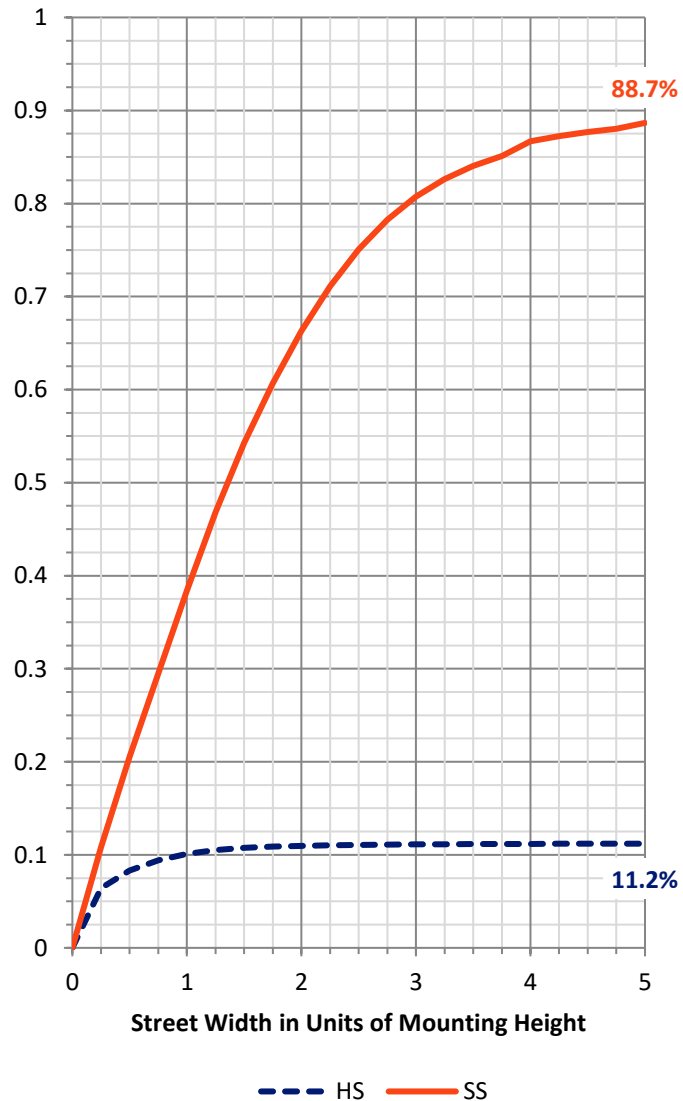
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1635.3	0.0	1635.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12894.7	0.0	12894.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	14530.0	0.0	14530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	1.2
10°-20°	404.8	2.8
20°-30°	657.6	4.5
30°-40°	1097.2	7.6
40°-50°	2076.0	14.3
50°-60°	3298.8	22.7
60°-70°	4080.8	28.1
70°-80°	2536.7	17.5
80°-90°	205.0	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°	14530.0	100.0
0°-180°	14530.0	100.0

Coefficient of Utilization



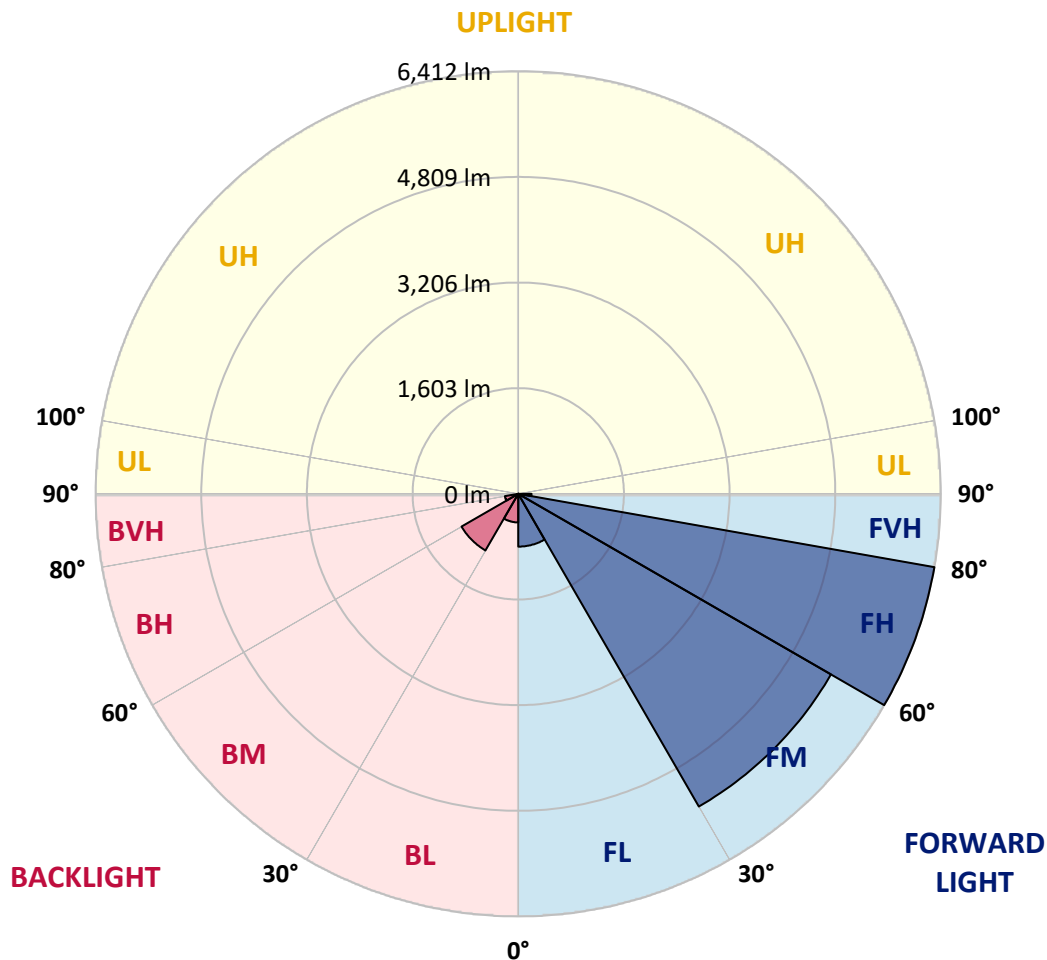
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	801.0	5.5			
FM	(30°-60°)	5479.3	37.7			
FH	(60°-80°)	6412.3	44.1			G3/7500
FVH	(80°-90°)	202.2	1.4			G2/225
BL	(0°-30°)	434.5	3.0	B1/500		
BM	(30°-60°)	992.8	6.8	B1/1000		
BH	(60°-80°)	205.2	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: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9
2.5°	2012.2	2029.2	2032.4	2037.7	2037.7	2044.1	2054.8	2069.7	2094.2	2106.9
5°	1854.6	1867.4	1883.4	1896.1	1920.6	1923.8	1965.3	2005.8	2062.2	2104.8
7.5°	1696.0	1710.9	1732.2	1763.1	1795.0	1804.6	1867.4	1935.5	2025.0	2104.8
10°	1584.2	1585.3	1604.4	1635.3	1686.4	1698.1	1774.8	1871.7	1983.4	2092.0
12.5°	1521.4	1528.8	1537.4	1560.8	1609.8	1617.2	1699.2	1813.1	1941.9	2084.6
15°	1521.4	1526.7	1532.0	1543.7	1583.1	1589.5	1661.9	1775.8	1920.6	2087.8
17.5°	1537.4	1545.9	1541.6	1555.5	1597.0	1601.2	1665.1	1765.2	1919.6	2108.0
20°	1575.7	1582.1	1573.6	1582.1	1623.6	1632.1	1698.1	1785.4	1937.7	2143.1
22.5°	1636.4	1639.6	1619.3	1625.7	1668.3	1679.0	1755.6	1842.9	1981.3	2199.6
25°	1713.0	1719.4	1688.5	1696.0	1736.4	1749.2	1837.6	1929.2	2050.5	2277.3
27.5°	1801.4	1804.6	1778.0	1776.9	1829.1	1847.2	1936.6	2035.6	2143.1	2375.2
30°	1902.5	1912.1	1886.6	1882.3	1948.3	1963.2	2051.6	2166.6	2279.4	2522.2
32.5°	1982.4	1989.8	1974.9	1985.6	2052.7	2064.4	2191.1	2351.8	2493.4	2730.8
35°	2097.4	2101.6	2067.6	2086.7	2163.4	2193.2	2381.6	2611.6	2762.8	2992.7
37.5°	2513.6	2513.6	2368.9	2274.1	2347.6	2374.2	2642.5	2938.4	3094.9	3344.1
40°	3089.6	3080.0	2868.2	2674.4	2664.8	2717.0	3014.0	3350.5	3524.0	3765.7
42.5°	3703.9	3689.0	3400.5	3208.9	3176.9	3195.0	3443.1	3858.3	4035.0	4279.9
45°	4249.0	4244.8	3980.7	3723.1	3665.6	3723.1	3978.6	4452.4	4579.1	4836.7
47.5°	4705.8	4705.8	4513.1	4344.8	4315.0	4349.1	4703.6	5111.4	5099.7	5429.7
50°	5231.7	5227.4	5044.3	4971.9	5002.8	5050.7	5538.3	5805.6	5638.4	6012.1
52.5°	5600.1	5625.6	5562.8	5551.1	5708.7	5791.7	6385.8	6484.8	6120.7	6564.7
55°	5891.8	5921.6	5994.0	6076.0	6379.4	6488.0	7206.6	7128.9	6524.2	7043.7
57.5°	6304.9	6262.3	6374.1	6535.9	7026.7	7157.7	8001.9	7736.8	6848.9	7432.3
60°	6806.3	6812.7	6831.9	7036.3	7673.0	7841.2	8785.5	8311.7	7057.6	7670.8
62.5°	7408.9	7418.5	7457.9	7772.0	8540.6	8699.3	9620.2	8782.3	7153.4	7603.8
65°	7367.4	7407.9	7847.6	8921.8	9859.8	10016.3	10594.4	9112.4	7008.6	6990.5
67.5°	6711.6	6777.6	7513.3	10295.2	11848.5	12023.1	11771.9	9177.3	6383.7	5436.1
70°	5851.3	5874.8	6759.5	11530.2	14151.4	14328.1	12825.9	8462.9	4844.2	3032.1
72.5°	4569.5	4574.8	5612.9	11816.6	15401.3	15410.9	11998.6	6282.5	2605.2	1164.7
75°	3264.2	3232.3	3759.3	9582.9	13549.8	13658.4	8995.3	2947.0	995.5	550.4
77.5°	1750.3	1785.4	2127.2	5683.1	9360.4	9545.7	4908.1	849.6	506.8	374.8
80°	540.8	570.7	872.0	2602.0	5302.0	5413.8	1819.5	378.0	353.5	267.2
82.5°	170.3	176.7	406.7	1093.4	2200.6	2251.7	527.0	214.0	241.7	176.7
85°	49.0	50.0	181.0	407.8	544.0	554.7	148.0	83.0	138.4	109.7
87.5°	5.3	17.0	68.1	68.1	47.9	46.8	16.0	18.1	39.4	13.8
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°
2105.9	0°	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9	2105.9
2115.5	2.5°	2110.1	2111.2	2097.4	2073.9	2048.4	2027.1	2000.5	1979.2	1964.3	1960.0
2134.6	5°	2125.0	2117.6	2078.2	2006.9	1921.7	1848.2	1766.3	1701.3	1658.7	1640.6
2154.9	7.5°	2147.4	2126.1	2039.9	1899.3	1736.4	1591.7	1444.7	1330.8	1258.4	1222.2
2174.0	10°	2166.6	2124.0	1976.0	1743.9	1494.8	1275.5	1077.4	940.1	863.4	827.2
2196.4	12.5°	2184.7	2122.9	1893.0	1559.7	1222.2	953.9	769.7	701.6	680.3	672.9
2232.6	15°	2218.7	2126.1	1788.6	1348.9	950.7	720.8	653.7	652.6	656.9	654.8
2287.9	17.5°	2265.6	2129.3	1670.4	1125.3	733.5	635.6	632.4	642.0	648.4	645.2
2357.1	20°	2326.3	2142.1	1544.8	903.9	630.3	614.3	621.8	630.3	635.6	630.3
2449.8	22.5°	2411.4	2164.4	1407.5	726.1	597.3	601.5	607.9	617.5	622.8	615.4
2567.9	25°	2515.8	2199.6	1272.3	631.3	581.3	586.6	596.2	606.9	613.2	605.8
2717.0	27.5°	2651.0	2256.0	1147.7	610.0	565.3	568.5	582.4	598.3	606.9	597.3
2928.9	30°	2846.9	2348.6	1040.2	619.6	555.7	548.3	567.5	589.8	599.4	590.9
3217.4	32.5°	3106.7	2479.6	974.2	634.5	551.5	524.9	543.0	571.7	587.7	582.4
3594.3	35°	3447.3	2678.7	948.6	651.6	548.3	500.4	513.2	544.0	571.7	577.0
4069.1	37.5°	3860.4	2955.5	956.1	659.0	538.7	480.2	486.5	513.2	549.4	566.4
4603.6	40°	4329.9	3278.1	998.6	651.6	528.1	463.1	464.2	484.4	516.4	541.9
5178.5	42.5°	4814.4	3655.0	1077.4	623.9	518.5	448.2	445.0	458.9	480.2	498.3
5752.3	45°	5275.4	4042.5	1155.1	585.6	506.8	433.3	425.9	431.2	435.4	442.9
6311.3	47.5°	5677.8	4315.0	1132.8	550.4	490.8	416.3	403.5	401.4	388.6	387.5
6810.6	50°	5955.7	4374.7	1006.1	515.3	467.4	397.1	376.9	364.1	341.8	331.1
7184.3	52.5°	6044.0	4139.4	821.9	480.2	429.1	371.6	342.8	322.6	294.9	285.3
7399.3	55°	5926.9	3678.4	656.9	437.6	375.8	337.5	305.6	278.9	256.6	244.9
7422.8	57.5°	5640.5	3091.8	519.6	387.5	319.4	299.2	267.2	240.6	221.4	209.7
7163.0	60°	5165.7	2455.1	411.0	327.9	272.6	257.6	224.6	207.6	190.6	176.7
6492.3	62.5°	4444.9	1752.4	322.6	259.8	227.8	210.8	191.6	178.9	158.6	139.5
5286.0	65°	3468.6	1072.1	249.1	190.6	183.1	174.6	162.9	151.2	126.7	107.5
3448.4	67.5°	2187.9	507.8	177.8	143.7	144.8	140.5	135.2	125.6	107.5	90.5
1544.8	70°	963.5	245.9	117.1	109.7	107.5	107.5	111.8	108.6	91.6	75.6
536.6	72.5°	327.9	132.0	87.3	83.0	77.7	76.7	93.7	90.5	73.5	58.6
267.2	75°	171.4	88.4	63.9	59.6	46.8	56.4	74.5	70.3	52.2	38.3
176.7	77.5°	111.8	62.8	43.7	38.3	26.6	37.3	55.4	49.0	30.9	19.2
116.0	80°	70.3	41.5	25.6	18.1	12.8	20.2	29.8	21.3	11.7	4.3
68.1	82.5°	37.3	21.3	9.6	6.4	5.3	6.4	7.5	5.3	2.1	0.0
35.1	85°	14.9	7.5	3.2	2.1	1.1	0.0	2.1	1.1	0.0	0.0
6.4	87.5°	5.3	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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180°
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