

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: P847567

Luminaire Tested: **GLAN-SB3D-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18725 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

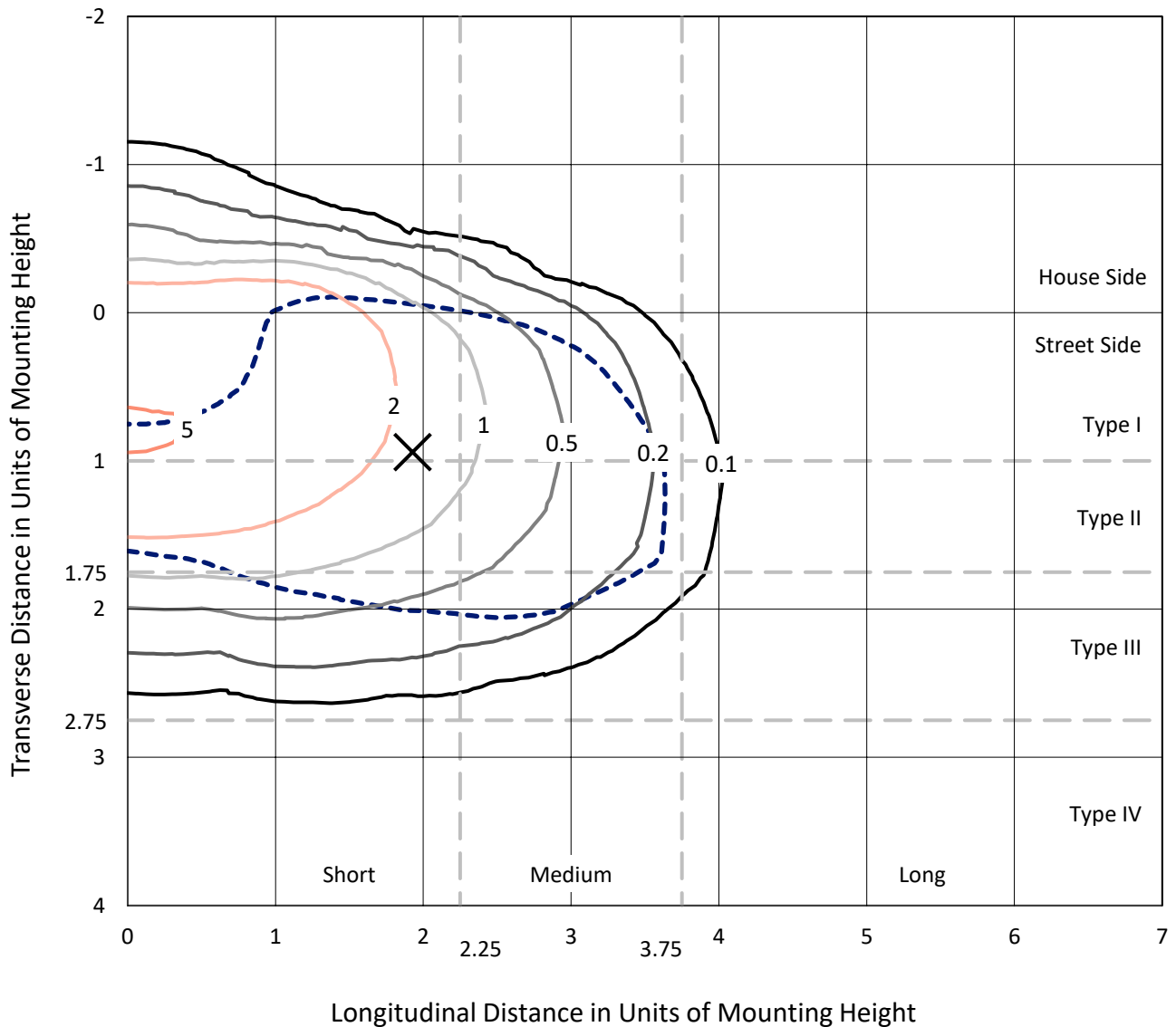
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

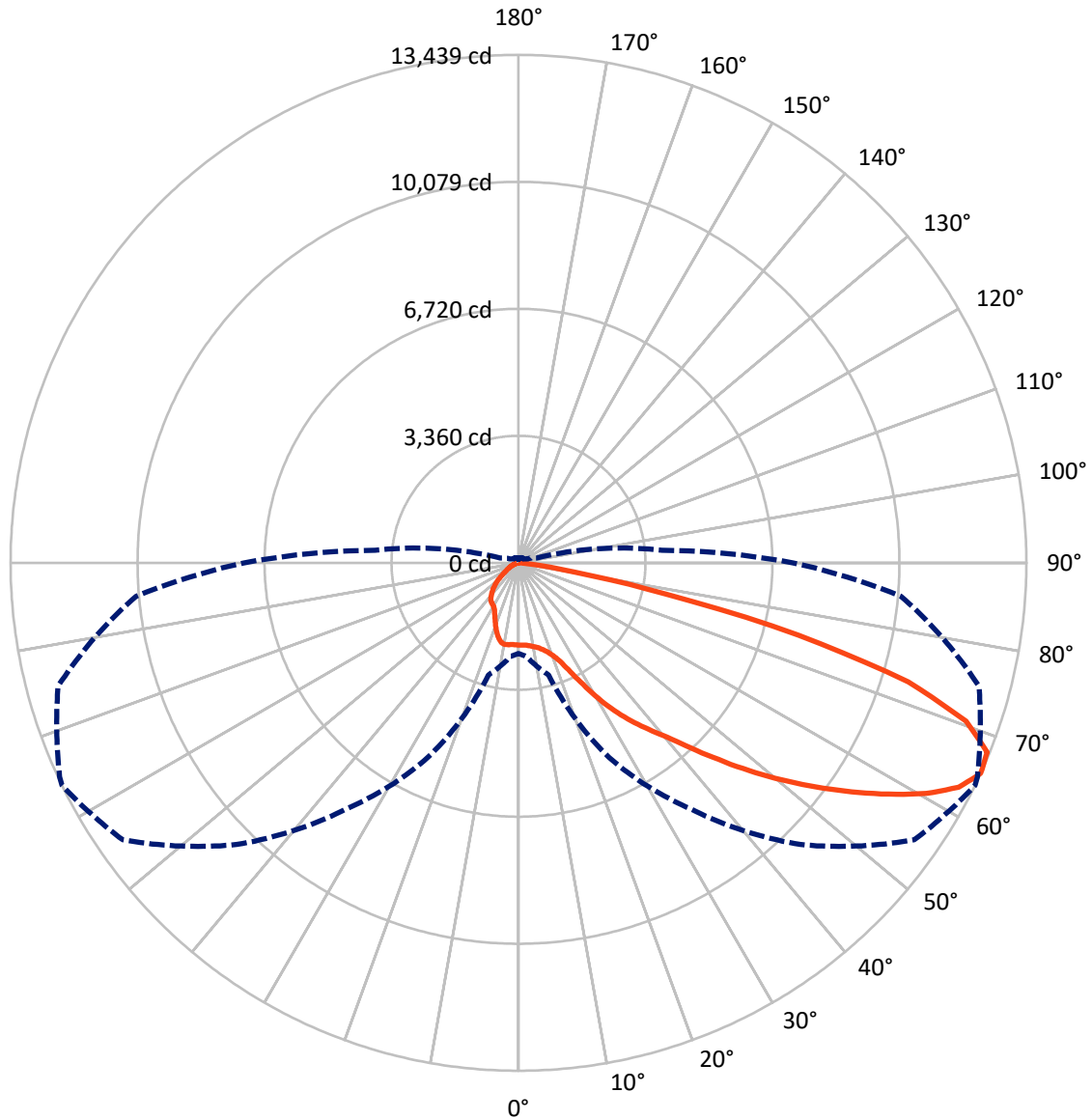
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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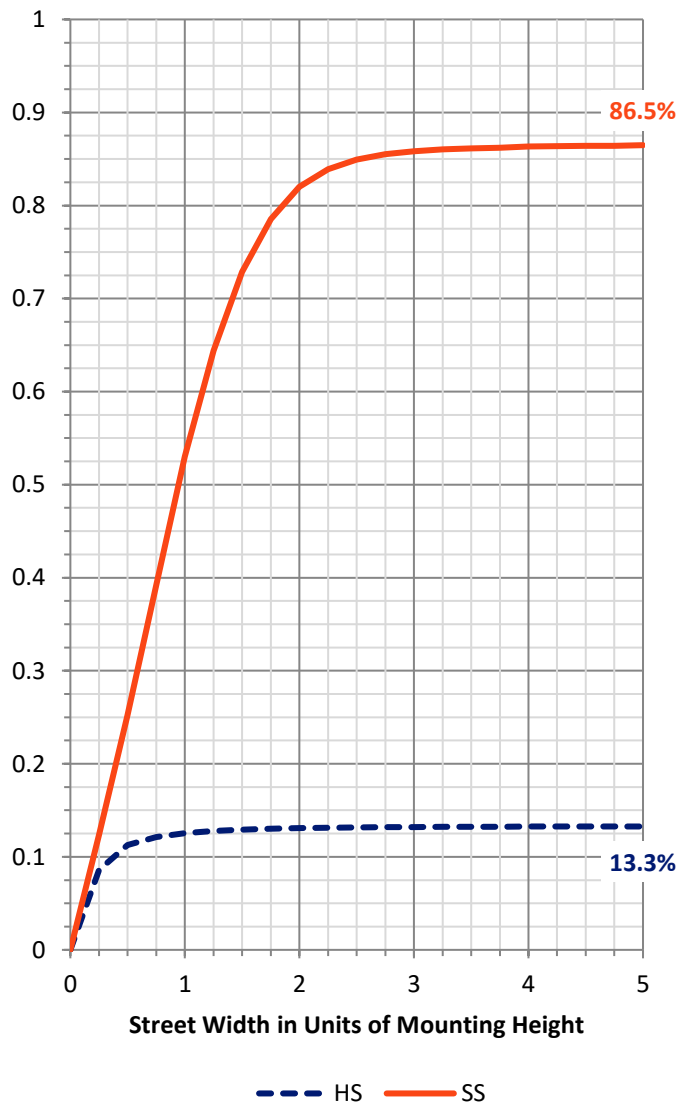
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2504.1	0.0	2504.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16220.9	0.0	16220.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	18725.0	0.0	18725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	1.1
10°-20°	545.0	2.9
20°-30°	1032.7	5.5
30°-40°	2089.7	11.2
40°-50°	3559.9	19.0
50°-60°	4841.1	25.9
60°-70°	4546.1	24.3
70°-80°	1821.4	9.7
80°-90°	88.2	0.5
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°	18725.0	100.0
0°-180°	18725.0	100.0

Coefficient of Utilization



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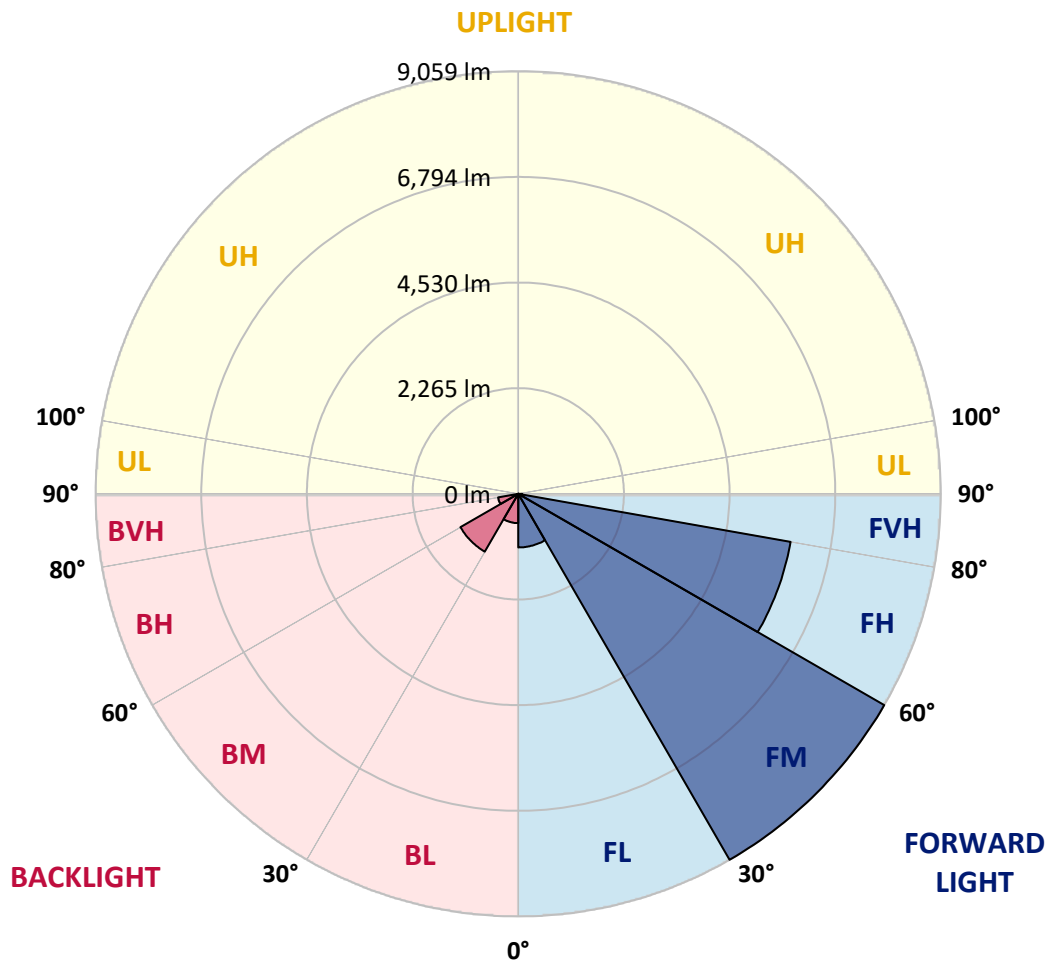
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.9	6.1			
FM (30°-60°)	9059.1	48.4			
FH (60°-80°)	5927.9	31.7			G3/7500
FVH (80°-90°)	83.9	0.4			G1/100
BL (0°-30°)	628.7	3.4	B2/1000		
BM (30°-60°)	1431.6	7.6	B2/2500		
BH (60°-80°)	439.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9
2.5°	2170.4	2185.4	2181.7	2177.9	2176.7	2179.2	2180.4	2179.2	2179.2	2179.2
5°	2129.0	2141.5	2141.5	2150.3	2162.8	2177.9	2189.2	2191.7	2194.2	2198.0
7.5°	2049.9	2059.9	2067.4	2096.3	2127.7	2167.9	2201.8	2219.3	2221.8	2235.7
10°	1995.9	2008.4	2021.0	2051.1	2096.3	2156.6	2214.3	2257.0	2263.3	2295.9
12.5°	1993.4	2005.9	2022.3	2054.9	2107.6	2171.6	2241.9	2303.4	2314.7	2362.4
15°	2019.7	2034.8	2049.9	2090.0	2146.5	2224.4	2299.7	2376.2	2387.5	2455.3
17.5°	2073.7	2093.8	2105.1	2145.3	2205.5	2292.1	2391.3	2479.2	2489.2	2568.3
20°	2180.4	2204.3	2208.0	2240.7	2299.7	2392.6	2510.6	2619.8	2632.3	2722.7
22.5°	2401.4	2435.2	2405.1	2421.4	2474.2	2567.0	2695.1	2833.2	2850.7	2953.7
25°	2790.5	2838.2	2760.4	2732.7	2755.3	2852.0	3012.7	3187.2	3207.2	3290.1
27.5°	3555.0	3493.4	3375.4	3260.0	3192.2	3247.4	3428.2	3644.1	3669.2	3749.5
30°	4394.7	4340.8	4181.3	3925.3	3764.6	3755.8	3922.8	4163.8	4192.6	4269.2
32.5°	5235.8	5184.3	5011.1	4696.0	4417.3	4279.3	4394.7	4662.1	4677.2	4726.1
35°	6063.0	6010.3	5837.1	5514.4	5171.8	4857.9	4835.3	5136.6	5141.6	5193.1
37.5°	6895.3	6851.3	6666.8	6350.5	6012.8	5579.7	5370.1	5586.0	5592.3	5642.5
40°	7489.0	7507.8	7381.1	7136.3	6846.3	6373.1	5970.1	6064.3	6026.6	6110.7
42.5°	7998.6	8036.3	7925.8	7802.8	7634.6	7217.9	6713.2	6696.9	6636.7	6681.9
45°	8439.3	8470.6	8371.5	8342.6	8338.8	8046.3	7525.4	7427.5	7343.4	7334.6
47.5°	8601.2	8661.4	8704.1	8800.8	8989.1	8866.0	8365.2	8213.3	8119.2	8050.1
50°	8662.7	8726.7	8872.3	9153.5	9599.1	9651.9	9201.2	9030.5	8915.0	8789.5
52.5°	8579.8	8694.1	8889.9	9363.1	10009.6	10282.0	10003.3	9854.0	9722.1	9517.5
55°	8091.5	8205.8	8606.2	9360.6	10214.2	10723.9	10761.5	10695.0	10546.9	10224.3
57.5°	7062.2	7231.7	7865.6	9041.8	10210.5	11104.2	11504.6	11552.3	11386.7	10924.7
60°	5636.2	5865.9	6639.2	8335.1	9895.4	11310.1	12156.1	12394.6	12218.9	11615.1
62.5°	3932.8	4198.9	4930.7	7227.9	9174.8	11162.0	12631.9	13072.5	12939.4	12232.7
65°	2398.8	2484.2	3074.2	5687.7	7949.7	10541.8	12778.8	13439.0	13395.1	12610.5
67.5°	1598.0	1669.5	1839.0	3900.2	6171.0	9302.9	12427.3	13375.0	13387.6	12549.0
70°	962.8	1024.3	1134.8	2268.3	3999.3	7363.5	11339.0	12559.1	12631.9	11726.8
72.5°	396.7	438.1	538.5	1028.1	2071.2	4673.4	9029.2	10782.9	10952.3	9860.2
75°	224.7	246.0	316.3	515.9	898.8	2177.9	5469.3	7654.7	7904.5	6796.1
77.5°	149.4	159.4	204.6	333.9	505.9	743.1	2337.3	3988.0	4465.0	3711.9
80°	100.4	109.2	140.6	223.4	328.9	318.8	744.4	1477.5	1817.6	1275.4
82.5°	67.8	69.0	100.4	146.9	208.4	154.4	219.7	459.4	577.4	369.1
85°	38.9	37.7	74.1	85.4	92.9	64.0	66.5	138.1	180.8	155.7
87.5°	5.0	7.5	28.9	22.6	12.6	13.8	13.8	23.9	35.1	37.7
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°
2177.9	0°	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9	2177.9
2180.4	2.5°	2180.4	2179.2	2175.4	2171.6	2162.8	2157.8	2160.3	2157.8	2156.6	2157.8
2196.7	5°	2196.7	2193.0	2182.9	2170.4	2152.8	2131.5	2117.7	2097.6	2078.7	2067.4
2240.7	7.5°	2240.7	2236.9	2223.1	2188.0	2131.5	2042.3	1960.7	1889.2	1835.2	1803.8
2311.0	10°	2311.0	2304.7	2283.4	2205.5	2057.4	1862.8	1700.9	1566.6	1478.7	1437.3
2393.8	12.5°	2393.8	2386.3	2348.6	2189.2	1916.8	1613.0	1389.6	1240.2	1158.6	1122.2
2489.2	15°	2491.7	2481.7	2407.6	2111.4	1712.2	1336.9	1132.3	1020.5	967.8	935.2
2611.0	17.5°	2613.5	2595.9	2451.6	1994.6	1490.0	1126.0	974.1	890.0	843.5	812.2
2770.4	20°	2771.7	2742.8	2486.7	1855.3	1285.4	992.9	867.4	797.1	762.0	734.3
2996.4	22.5°	2992.6	2951.2	2529.4	1704.7	1141.1	901.3	788.3	736.8	708.0	676.6
3311.4	25°	3266.2	3217.3	2582.1	1565.3	1041.9	822.2	730.6	687.9	654.0	617.6
3724.4	27.5°	3649.1	3561.2	2644.9	1451.1	956.5	754.4	677.9	630.2	591.2	561.1
4192.6	30°	4075.9	3931.5	2700.1	1382.1	878.7	691.7	608.8	561.1	524.7	503.4
4613.2	32.5°	4480.1	4284.3	2736.5	1351.9	808.4	620.1	533.5	482.0	454.4	448.1
5024.9	35°	4861.7	4603.1	2732.7	1323.1	745.6	548.6	459.4	406.7	385.4	389.1
5468.0	37.5°	5301.1	4943.3	2706.4	1277.9	694.2	483.3	395.4	349.0	330.1	331.4
6006.5	40°	5811.9	5336.2	2690.1	1192.5	637.7	423.0	342.7	305.0	291.2	286.2
6573.9	42.5°	6356.7	5716.5	2692.6	1095.9	567.4	369.1	306.3	274.9	262.4	258.6
7205.3	45°	6904.0	6079.3	2696.3	995.4	493.3	327.6	279.9	253.6	246.0	241.0
7845.5	47.5°	7418.7	6388.1	2626.0	887.5	420.5	296.2	258.6	241.0	234.7	228.5
8488.2	50°	7898.2	6594.0	2456.6	762.0	362.8	271.1	242.3	229.7	223.4	217.2
9070.7	52.5°	8271.0	6626.6	2176.7	632.7	322.6	252.3	232.2	220.9	213.4	207.1
9541.4	55°	8436.7	6422.0	1778.7	512.2	291.2	236.0	222.2	210.9	202.1	195.8
9911.7	57.5°	8394.1	5991.5	1387.1	411.7	261.1	219.7	209.6	202.1	192.1	182.0
10211.7	60°	8184.4	5415.3	1045.6	342.7	233.5	202.1	195.8	189.5	175.7	160.7
10327.2	62.5°	7821.7	4691.0	745.6	283.7	203.4	182.0	179.5	174.5	154.4	126.8
10156.5	65°	7266.8	3811.0	502.1	236.0	174.5	159.4	160.7	151.9	125.5	94.1
9531.3	67.5°	6455.9	2786.7	321.4	193.3	145.6	133.1	134.3	129.3	106.7	80.3
8346.4	70°	5422.8	1845.3	209.6	146.9	116.7	102.9	110.5	111.7	90.4	65.3
6405.7	72.5°	3975.5	1089.6	146.9	109.2	85.4	71.6	90.4	92.9	72.8	49.0
3853.7	75°	2265.8	517.2	110.5	79.1	52.7	50.2	70.3	70.3	50.2	32.6
1668.3	77.5°	951.5	215.9	77.8	51.5	30.1	28.9	47.7	43.9	25.1	15.1
406.7	80°	274.9	96.7	41.4	25.1	12.6	11.3	18.8	13.8	6.3	2.5
154.4	82.5°	108.0	42.7	16.3	10.0	5.0	5.0	2.5	0.0	0.0	0.0
87.9	85°	64.0	17.6	7.5	3.8	1.3	0.0	0.0	0.0	0.0	0.0
18.8	87.5°	16.3	3.8	2.5	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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2177.9
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