

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: P946168

Luminaire Tested: **GLAN-SB1D-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4735 lumens
Efficiency: N/A
Efficacy: 59.5 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

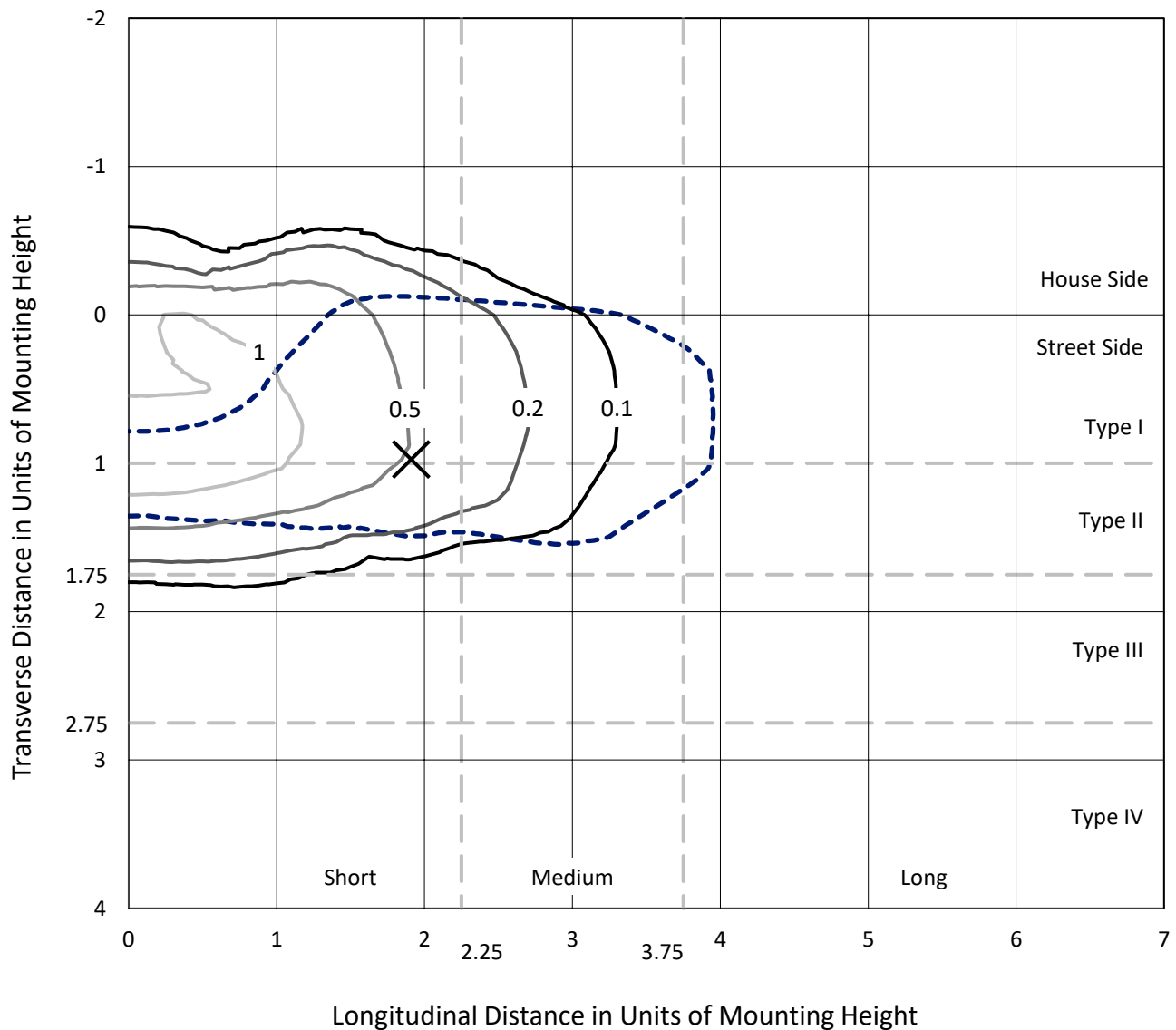
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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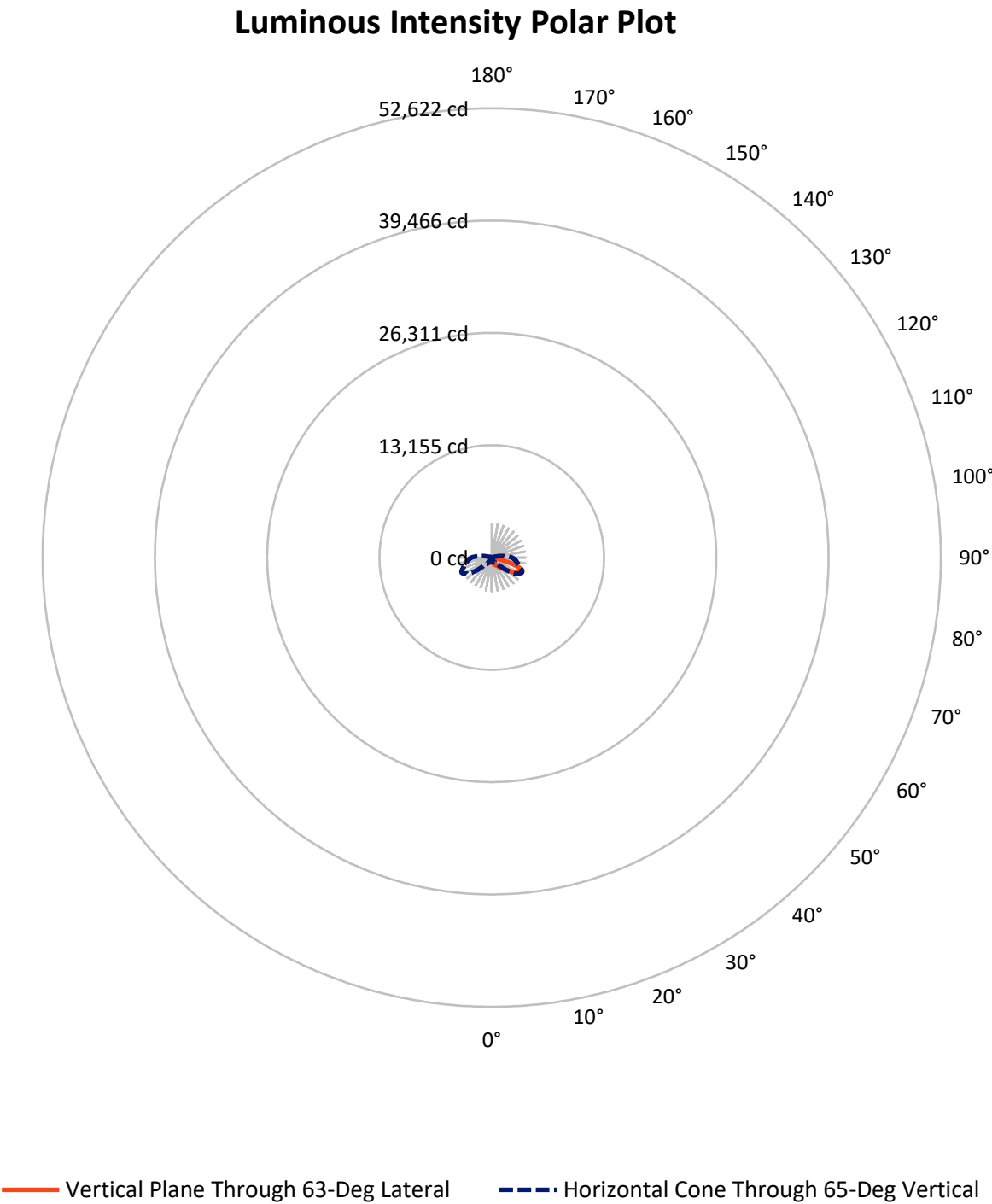
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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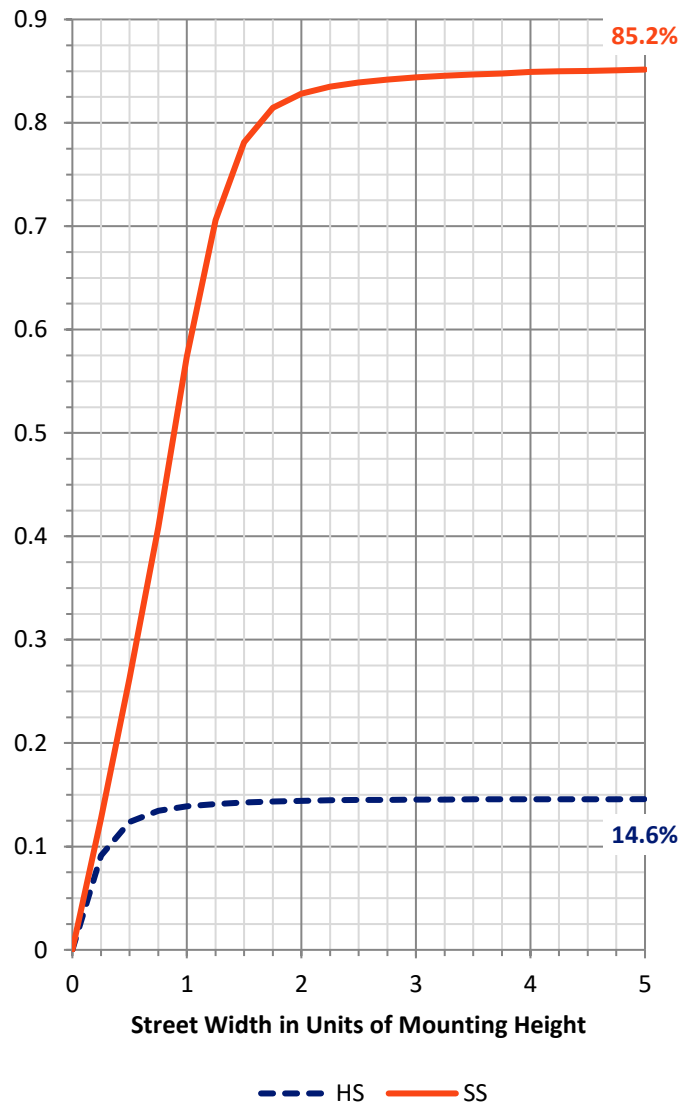
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	696.0	0.0	696.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	4039.0	0.0	4039.0
	% Fixture	85.3	0.0	85.3
Total	Lumens	4735.0	0.0	4735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.2
10°-20°	152.8	3.2
20°-30°	266.0	5.6
30°-40°	479.5	10.1
40°-50°	950.9	20.1
50°-60°	1295.3	27.4
60°-70°	1033.9	21.8
70°-80°	467.9	9.9
80°-90°	33.6	0.7
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°	4735.0	100.0
0°-180°	4735.0	100.0

Coefficient of Utilization



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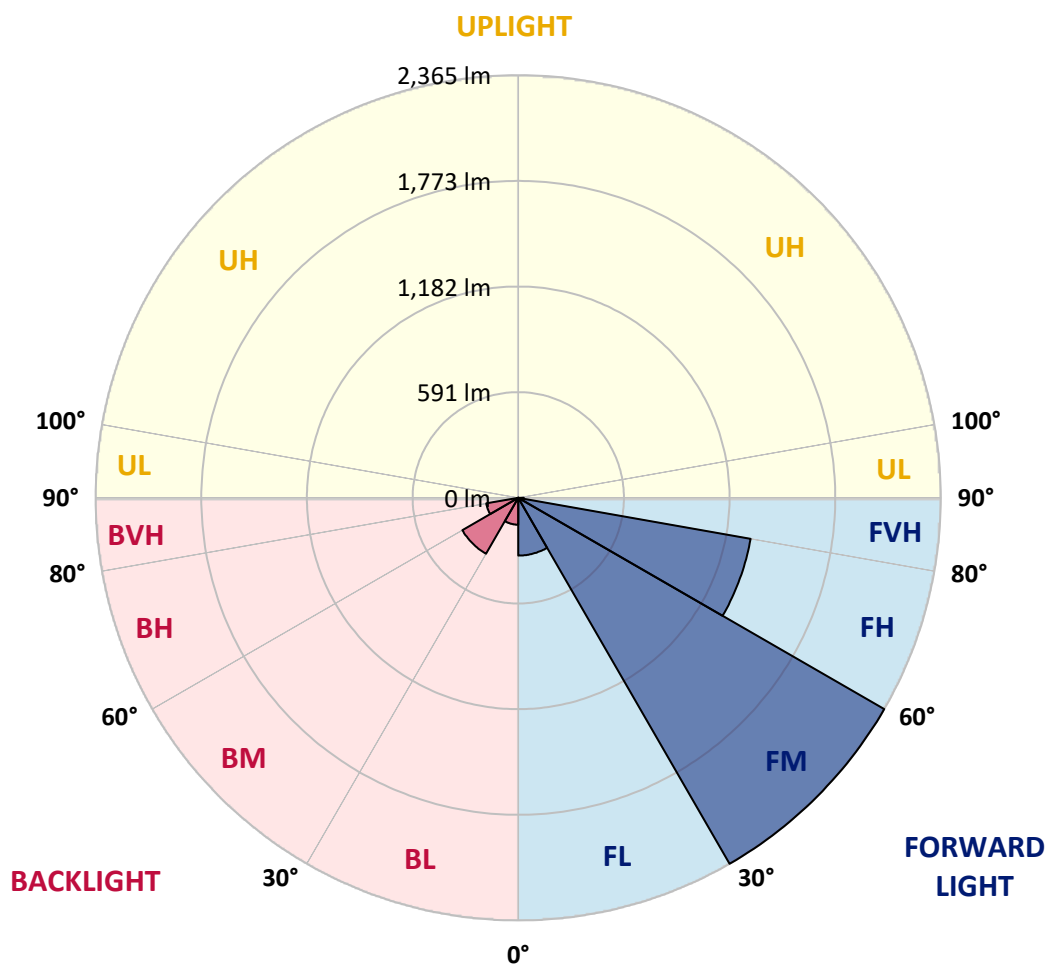
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.2	6.8			
FM	(30°-60°)	2364.5	49.9			
FH	(60°-80°)	1320.1	27.9			G1/1800
FVH	(80°-90°)	31.1	0.7			G1/100
BL	(0°-30°)	150.6	3.2	B1/500		
BM	(30°-60°)	361.2	7.6	B1/1000		
BH	(60°-80°)	181.7	3.8	B1/500		G1/500
BVH	(80°-90°)	2.5	0.1			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°	63°	65°	75°
0°	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4
2.5°	598.1	596.4	598.7	597.7	597.1	595.8	595.1	594.5	593.2	592.2
5°	599.7	598.7	601.0	603.0	604.9	606.9	607.8	609.1	607.8	605.2
7.5°	586.0	585.4	590.3	596.1	604.9	612.4	620.5	625.1	625.4	624.5
10°	585.0	583.4	588.3	595.5	606.9	620.2	634.6	644.3	645.6	649.9
12.5°	600.4	598.7	605.6	613.4	625.1	639.1	656.7	670.4	672.3	678.2
15°	626.1	623.8	631.6	641.7	656.7	672.7	691.2	703.6	705.2	712.4
17.5°	656.1	653.8	662.9	673.6	689.9	711.8	733.3	746.9	748.9	753.5
20°	694.5	691.6	698.7	708.5	725.8	751.8	777.6	797.1	796.8	796.8
22.5°	739.1	734.6	740.7	748.6	764.9	796.4	830.7	853.8	853.8	844.7
25°	787.0	782.4	789.3	796.4	810.8	846.6	886.7	915.3	916.6	901.0
27.5°	846.9	841.1	846.3	854.8	863.2	899.7	947.3	980.5	981.1	957.0
30°	962.3	945.6	929.4	920.2	924.1	960.3	1011.1	1047.9	1051.2	1018.0
32.5°	1173.3	1170.1	1112.7	1037.8	998.7	1025.4	1082.5	1126.8	1128.7	1086.0
35°	1501.4	1497.5	1405.3	1262.6	1135.2	1112.7	1169.1	1221.5	1220.2	1172.0
37.5°	1892.9	1889.3	1767.8	1576.9	1370.7	1244.7	1280.8	1335.9	1344.0	1280.8
40°	2227.5	2214.1	2137.2	1953.2	1683.5	1463.6	1439.8	1476.3	1484.8	1409.8
42.5°	2480.9	2469.5	2430.4	2315.4	2062.0	1787.4	1627.1	1641.1	1650.6	1560.6
45°	2612.2	2609.6	2625.2	2614.4	2447.7	2184.8	1894.9	1836.6	1840.1	1727.8
47.5°	2630.7	2629.4	2700.8	2801.7	2779.3	2633.0	2238.5	2080.2	2067.5	1916.4
50°	2521.3	2518.7	2655.5	2844.7	3000.8	3009.6	2628.8	2354.8	2326.8	2111.5
52.5°	2171.7	2171.1	2395.9	2710.9	3078.6	3339.2	3014.5	2656.5	2609.6	2318.0
55°	1671.1	1683.1	1940.8	2313.1	2936.6	3497.9	3360.7	2991.3	2919.3	2525.8
57.5°	1183.8	1201.4	1456.1	1787.7	2496.2	3404.0	3594.9	3326.8	3249.3	2733.0
60°	635.9	651.5	906.6	1302.3	1857.1	3054.2	3718.4	3618.1	3544.8	2929.8
62.5°	378.8	384.1	489.6	840.8	1256.1	2333.3	3665.9	3839.9	3779.6	3094.9
65°	272.0	273.0	326.1	513.4	762.6	1417.6	3298.2	3946.1	3927.5	3219.3
67.5°	229.0	228.3	250.5	341.1	519.6	710.1	2527.8	3795.9	3874.7	3298.2
70°	196.4	197.4	223.5	249.8	390.6	402.0	1256.7	3305.0	3473.1	3319.0
72.5°	146.3	149.5	173.6	227.7	294.8	276.6	433.9	2450.6	2754.5	3127.2
75°	103.3	104.9	122.2	191.5	219.9	201.3	221.5	1266.8	1656.4	2397.5
77.5°	79.5	82.4	92.5	133.9	216.6	141.4	135.5	438.5	673.6	1448.3
80°	43.0	48.2	66.8	96.7	152.1	100.0	67.1	174.6	228.3	677.2
82.5°	22.2	24.8	46.6	69.7	86.6	87.3	33.2	72.6	94.1	209.1
85°	8.8	10.7	31.3	38.4	44.6	43.0	15.0	29.3	33.9	58.0
87.5°	2.0	3.3	11.4	8.8	8.5	9.1	3.6	6.8	6.5	6.8
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°
584.4	0°	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4
588.3	2.5°	588.0	586.7	583.1	579.2	574.6	572.0	570.4	570.1	567.8	566.1
601.3	5°	597.7	596.4	589.6	581.5	572.7	565.8	559.3	553.4	545.0	543.3
620.2	7.5°	617.3	613.7	602.6	591.6	574.9	555.1	531.0	503.3	478.5	471.0
645.3	10°	641.4	636.5	622.5	603.0	566.1	512.1	453.8	399.7	356.7	344.6
674.9	12.5°	668.8	664.5	646.0	609.8	529.3	431.3	342.0	274.9	233.2	222.8
706.5	15°	701.3	695.1	669.4	599.4	463.5	327.7	234.9	195.1	180.1	178.2
742.7	17.5°	735.9	725.8	690.3	561.9	374.9	232.9	181.4	170.0	163.5	161.6
779.2	20°	767.5	754.4	702.6	505.2	280.1	181.4	162.5	155.1	149.2	146.9
815.7	22.5°	799.1	780.5	702.6	428.0	210.1	160.9	149.2	142.4	135.5	132.6
854.8	25°	832.0	807.2	690.3	342.0	169.1	147.6	136.5	129.0	123.1	119.5
891.9	27.5°	863.9	829.7	661.9	260.6	150.5	135.8	124.8	117.6	112.1	109.5
932.3	30°	894.2	851.8	622.2	197.7	138.4	124.4	114.0	107.8	102.3	99.7
984.7	32.5°	935.2	879.8	579.8	162.2	128.0	113.7	104.2	98.4	93.5	91.5
1052.8	35°	992.2	921.2	543.3	159.3	119.2	104.9	95.4	89.9	85.0	83.4
1140.8	37.5°	1073.0	988.0	524.1	178.8	112.1	97.1	88.3	82.4	77.9	76.6
1252.5	40°	1172.7	1078.5	534.5	198.4	107.2	90.2	81.8	75.9	72.0	70.4
1380.8	42.5°	1290.9	1190.3	592.2	213.4	103.9	84.4	75.6	69.1	66.5	65.8
1526.4	45°	1426.8	1313.1	680.5	229.3	98.7	78.8	69.4	64.5	62.5	62.2
1684.8	47.5°	1581.2	1447.9	782.8	249.2	93.5	73.6	64.5	61.2	59.6	59.0
1849.9	50°	1734.3	1583.8	888.0	260.3	89.3	68.7	60.6	58.0	56.7	56.4
2024.5	52.5°	1894.5	1723.5	973.0	249.8	85.7	64.8	57.3	55.4	54.1	53.7
2185.4	55°	2047.3	1836.6	987.7	212.1	78.5	60.9	53.7	52.8	51.1	51.1
2348.6	57.5°	2178.9	1893.2	884.1	155.7	71.3	55.1	50.2	49.2	47.9	47.6
2495.9	60°	2299.8	1876.9	682.4	104.9	63.5	49.2	45.6	45.0	43.6	42.0
2623.9	62.5°	2367.8	1805.3	466.8	68.4	55.7	43.0	40.4	40.1	37.1	33.9
2718.7	65°	2393.6	1658.0	291.2	49.8	46.6	36.8	34.9	34.2	30.0	26.4
2772.4	67.5°	2371.1	1415.7	146.9	39.4	36.8	30.6	28.7	28.7	25.7	22.5
2769.2	70°	2281.2	1061.3	61.9	31.6	28.3	23.5	23.5	24.8	21.8	18.2
2625.5	72.5°	2086.1	714.0	32.9	24.1	21.2	16.6	19.2	20.2	17.3	13.7
2148.9	75°	1658.4	435.5	22.8	17.9	13.4	11.7	14.7	15.3	11.7	9.1
1473.3	77.5°	1134.2	250.2	15.3	11.4	8.5	6.8	10.1	9.4	6.2	4.2
568.1	80°	498.1	104.2	8.8	5.2	3.3	2.6	3.6	2.6	2.0	1.3
77.9	82.5°	58.3	24.4	3.3	2.0	1.3	0.7	0.3	0.0	0.0	0.0
23.8	85°	12.1	2.9	1.6	0.7	0.3	0.0	0.0	0.0	0.0	0.0
4.2	87.5°	2.3	0.7	0.3	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°
584.4
567.8
542.7
467.4
340.1
219.9
176.2
160.6
145.6
130.9
118.2
109.5
100.0
91.5
83.4
76.2
70.0
65.8
61.9
59.0
56.4
53.7
50.8
47.2
41.7
33.2
26.1
22.2
17.9
13.7
8.8
4.6
1.3
0.0
0.0
0.0
0.0