

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: P846328

Luminaire Tested: **GLAN-SB1D-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6560 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

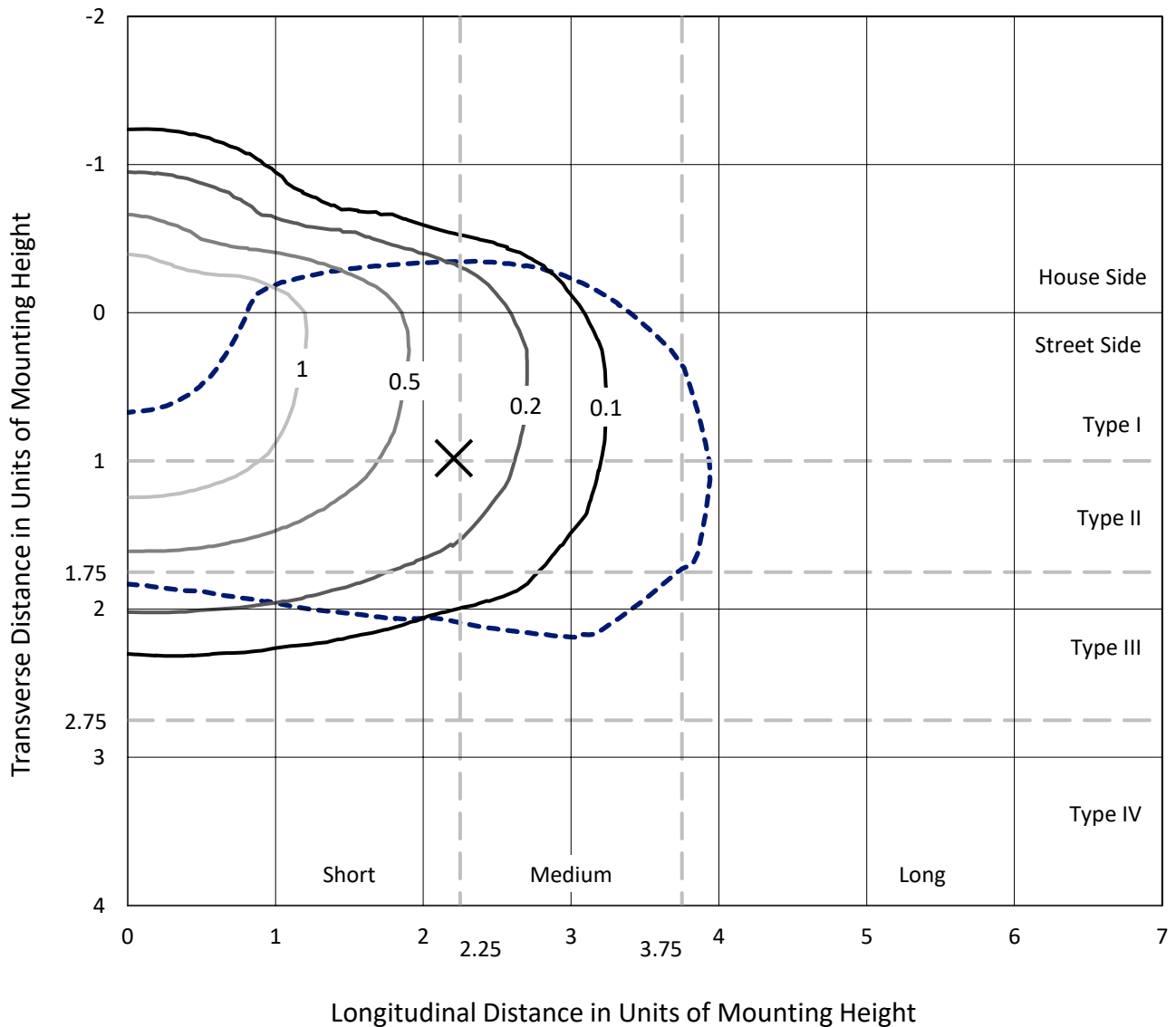
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

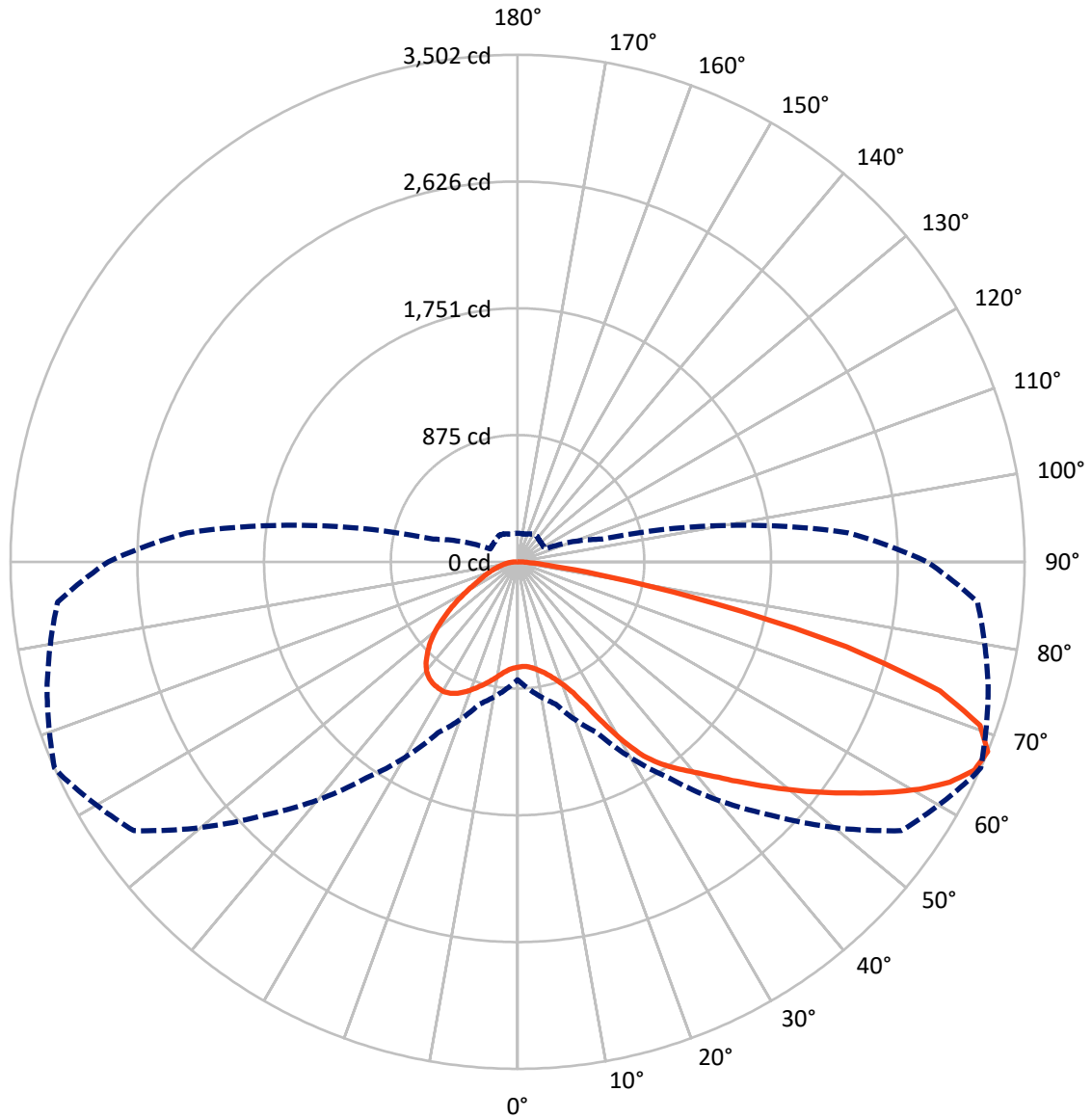
× Max cd  
 - - - 1/2 Max cd



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

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CATALOG NUMBER: GLAN-SB1D-927-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: GLAN-SB1D-927-U-T3

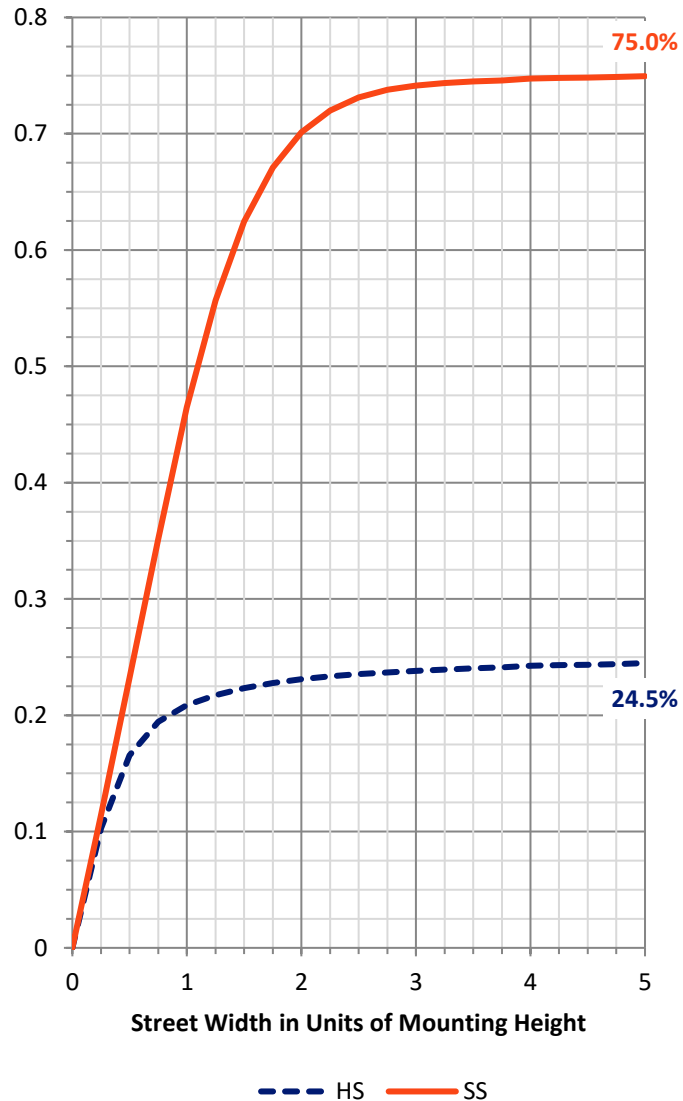
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1631.1	0.0	1631.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	4928.9	0.0	4928.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	6560.0	0.0	6560.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.1	1.1
10°-20°	238.3	3.6
20°-30°	459.4	7.0
30°-40°	805.5	12.3
40°-50°	1197.4	18.3
50°-60°	1517.9	23.1
60°-70°	1485.2	22.6
70°-80°	708.5	10.8
80°-90°	75.7	1.2
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°	6560.0	100.0
0°-180°	6560.0	100.0

**Coefficient of Utilization**



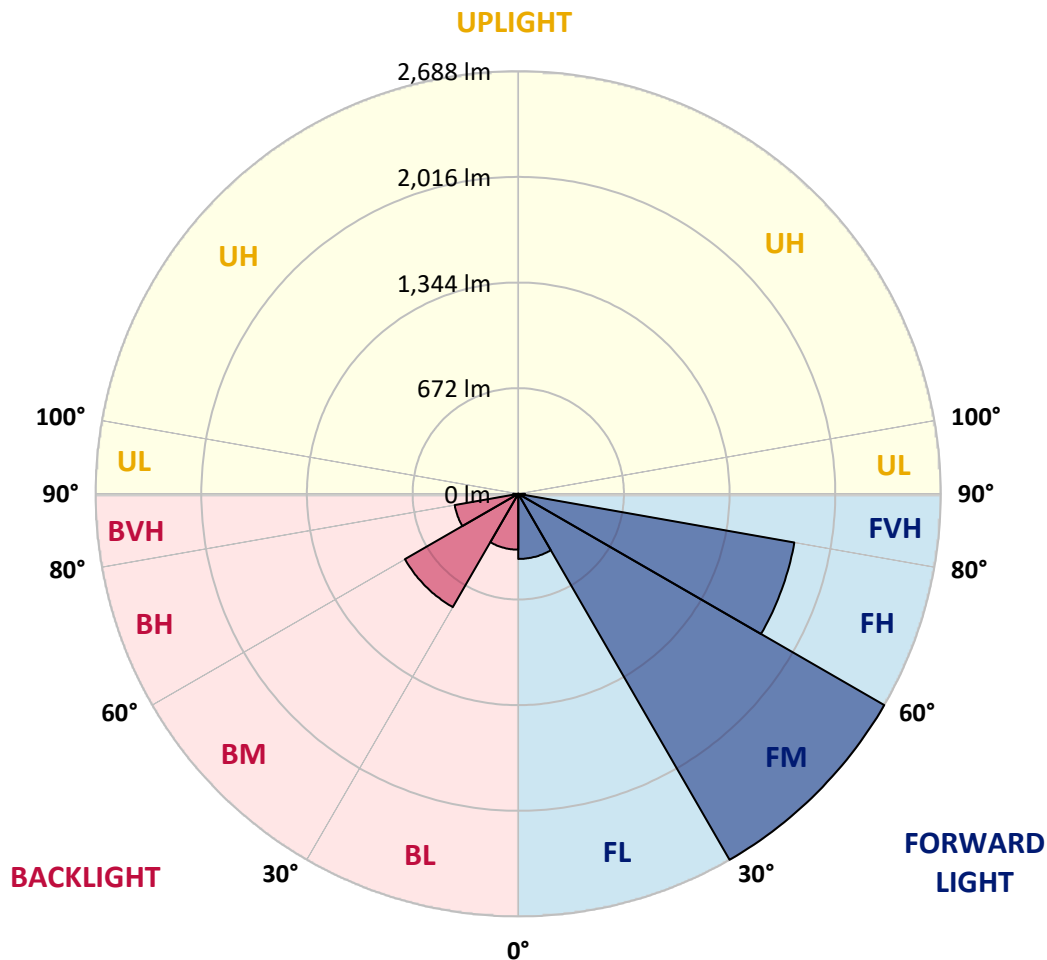
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.5	6.3			
FM (30°-60°)	2688.2	41.0			
FH (60°-80°)	1783.2	27.2			G1/1800
FVH (80°-90°)	42.9	0.7			G1/100
BL (0°-30°)	355.3	5.4	B1/500		
BM (30°-60°)	832.5	12.7	B1/1000		
BH (60°-80°)	410.5	6.3	B1/500		G1/500
BVH (80°-90°)	32.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	727.6	727.6	727.6	727.6	727.6	727.6	727.6	727.6	727.6	727.6
2.5°	720.0	724.1	723.1	721.4	721.0	721.7	722.8	723.8	723.5	725.2
5°	717.9	722.1	721.7	721.7	723.1	725.9	727.6	729.3	727.6	729.7
7.5°	719.3	722.4	723.8	725.2	728.6	733.8	737.9	741.7	739.7	742.1
10°	736.9	739.3	740.7	740.7	743.1	749.0	753.1	760.0	758.3	762.1
12.5°	769.0	771.4	771.4	770.0	771.7	775.5	776.9	784.5	781.4	787.6
15°	808.2	813.1	809.3	806.9	807.6	811.3	811.0	816.9	813.8	818.9
17.5°	851.7	857.9	851.7	851.3	849.9	854.1	854.4	859.6	854.1	857.9
20°	903.0	911.6	906.5	908.2	905.1	906.8	908.5	916.1	907.5	910.3
22.5°	975.4	985.7	980.2	986.8	984.7	983.3	983.0	996.4	983.0	984.0
25°	1080.9	1093.3	1083.6	1092.6	1092.6	1097.1	1102.2	1119.5	1097.1	1090.5
27.5°	1236.7	1249.1	1230.1	1235.6	1233.9	1244.9	1239.4	1282.2	1258.0	1247.3
30°	1424.2	1446.2	1410.4	1409.0	1407.3	1424.9	1432.8	1461.0	1436.6	1425.9
32.5°	1626.8	1649.9	1607.2	1594.8	1588.2	1598.9	1592.4	1615.1	1598.2	1581.7
35°	1841.2	1864.0	1823.3	1799.2	1773.0	1750.6	1727.1	1733.0	1717.1	1692.0
37.5°	2043.9	2085.6	2042.5	2016.6	1968.4	1924.6	1859.1	1831.9	1817.1	1794.0
40°	2250.3	2274.1	2241.4	2219.3	2166.9	2098.3	1993.6	1936.0	1916.0	1893.6
42.5°	2402.3	2425.1	2407.5	2392.3	2351.3	2271.7	2136.2	2064.2	2035.3	2010.1
45°	2523.0	2539.8	2528.8	2534.3	2516.8	2439.5	2284.1	2201.7	2171.7	2141.1
47.5°	2571.6	2589.5	2607.1	2639.8	2669.8	2612.9	2443.0	2350.6	2318.9	2287.6
50°	2566.0	2584.3	2635.3	2704.9	2798.0	2779.0	2610.5	2509.2	2479.9	2444.0
52.5°	2521.9	2542.6	2608.1	2723.9	2872.1	2903.5	2781.1	2672.9	2645.3	2602.6
55°	2406.1	2418.5	2516.8	2680.8	2889.7	2990.3	2948.3	2847.3	2819.7	2760.1
57.5°	2191.4	2209.3	2352.3	2564.7	2845.6	3049.3	3095.1	3030.7	3004.1	2918.3
60°	1911.2	1939.8	2103.5	2369.6	2733.2	3048.9	3228.5	3210.9	3188.9	3074.1
62.5°	1594.1	1627.2	1784.7	2093.8	2536.7	2962.4	3311.9	3361.9	3350.5	3217.8
65°	1224.3	1247.0	1403.8	1737.1	2231.0	2776.6	3321.5	3464.9	3467.0	3327.1
67.5°	815.1	880.6	1016.8	1303.5	1821.6	2473.0	3236.8	3481.8	3501.8	3364.6
70°	397.7	483.9	617.3	847.2	1303.5	2007.3	3015.1	3343.3	3387.7	3255.0
72.5°	165.1	193.0	265.7	418.1	748.3	1354.5	2569.8	2967.6	3050.0	2884.2
75°	111.3	120.6	152.0	214.4	340.9	668.0	1853.3	2212.8	2345.5	2178.3
77.5°	85.8	91.7	110.6	149.9	202.7	252.6	991.9	1333.5	1402.1	1298.0
80°	67.6	72.0	82.7	109.3	143.7	135.1	338.1	604.2	643.8	540.1
82.5°	58.6	60.3	59.3	74.1	95.5	78.9	111.0	223.0	246.1	178.5
85°	42.4	47.2	49.3	45.8	50.7	40.0	45.5	78.9	86.9	77.5
87.5°	17.2	25.5	31.4	29.6	18.6	11.4	14.1	23.1	26.5	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846328  
 CATALOG NUMBER: GLAN-SB1D-927-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
727.6	0°	727.6	727.6	727.6	727.6	727.6	727.6	727.6	727.6	727.6	727.6
727.9	2.5°	728.3	730.7	732.4	734.5	735.9	737.9	742.1	744.5	744.8	746.5
733.5	5°	734.8	738.3	742.1	747.6	753.8	759.0	766.9	772.4	774.5	776.2
746.9	7.5°	749.0	753.8	760.7	770.3	779.3	786.2	795.8	802.4	808.9	811.3
768.3	10°	770.0	776.9	786.9	800.0	809.6	818.6	828.6	834.1	840.6	843.4
793.8	12.5°	796.2	803.4	816.5	834.8	843.7	849.9	853.4	852.0	853.4	855.8
824.4	15°	826.2	834.1	848.9	868.6	874.8	869.2	861.7	854.8	853.7	854.4
861.7	17.5°	861.7	867.5	884.8	901.3	896.8	874.1	857.5	846.5	841.0	839.3
909.2	20°	911.3	911.3	925.4	935.8	905.8	867.2	841.3	823.4	812.0	807.2
974.0	22.5°	971.6	966.1	975.1	967.8	904.1	847.9	812.0	781.0	763.8	756.9
1064.7	25°	1048.1	1041.6	1039.2	994.4	891.7	817.2	759.0	721.4	706.2	702.4
1195.3	27.5°	1163.6	1147.0	1115.7	1008.8	868.9	769.0	696.9	662.1	653.5	653.8
1363.2	30°	1317.3	1284.2	1207.4	1011.3	831.7	700.7	633.5	608.7	604.5	606.3
1504.1	32.5°	1459.7	1428.3	1301.1	1000.2	774.5	633.8	576.6	560.1	553.9	555.9
1611.7	35°	1571.3	1562.7	1388.0	984.7	704.2	571.1	525.6	511.5	499.4	496.7
1713.0	37.5°	1676.8	1673.4	1453.1	963.0	634.5	526.7	484.6	466.0	448.4	438.8
1825.0	40°	1792.6	1789.2	1495.9	929.6	572.8	488.0	447.7	423.3	401.5	384.0
1951.8	42.5°	1922.9	1902.6	1516.2	881.7	520.4	455.3	417.7	384.6	356.0	339.8
2095.2	45°	2065.2	2019.4	1515.8	820.7	476.3	425.3	385.7	338.8	312.3	297.1
2242.4	47.5°	2216.2	2131.1	1497.2	753.1	433.6	392.2	336.0	300.2	282.6	273.3
2402.3	50°	2372.0	2235.5	1465.5	675.5	389.8	354.7	305.0	280.6	267.1	258.5
2560.9	52.5°	2518.5	2330.3	1427.3	587.7	345.4	318.1	291.2	272.3	258.2	248.5
2714.6	55°	2654.6	2412.0	1373.2	497.7	309.2	293.7	284.7	268.8	252.6	241.3
2870.7	57.5°	2775.6	2465.1	1279.7	413.3	283.3	276.8	277.8	263.0	244.4	234.7
3024.4	60°	2876.2	2504.0	1141.5	335.0	262.3	260.2	267.1	252.0	230.2	219.2
3154.4	62.5°	2936.6	2503.3	972.0	274.4	244.4	245.1	253.0	238.2	216.1	205.8
3222.3	65°	2931.4	2442.0	785.8	234.7	227.1	227.8	238.2	223.0	204.4	198.2
3188.2	67.5°	2827.6	2292.4	602.8	208.9	208.2	211.3	223.3	212.7	197.1	196.5
2984.8	70°	2546.7	1981.8	434.3	188.2	188.5	193.0	208.9	206.1	193.4	194.7
2509.5	72.5°	2042.1	1511.0	291.6	166.5	166.8	174.1	195.1	200.9	189.6	207.8
1780.5	75°	1360.1	942.3	187.5	143.4	143.7	153.0	183.0	190.9	179.2	207.1
926.5	77.5°	653.5	423.6	135.8	120.6	120.6	129.2	158.2	171.0	152.7	161.0
297.8	80°	225.8	159.2	106.8	97.2	95.1	101.0	133.4	148.2	131.7	121.3
97.2	82.5°	88.9	82.7	85.8	75.5	68.6	72.4	103.7	122.4	96.9	87.5
54.8	85°	51.0	53.8	60.7	50.0	39.6	44.5	76.2	87.9	73.1	64.5
17.9	87.5°	13.8	19.0	27.9	25.8	17.9	19.0	36.2	48.6	42.0	32.4
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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727.6
746.2
775.8
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856.8
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806.2
755.9
703.1
654.9
612.1
558.7
498.7
439.1
385.7
340.9
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271.3
255.4
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236.8
228.5
214.4
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