

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: P940025

Luminaire Tested: **GLAN-SB2D-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12274 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 147.6
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

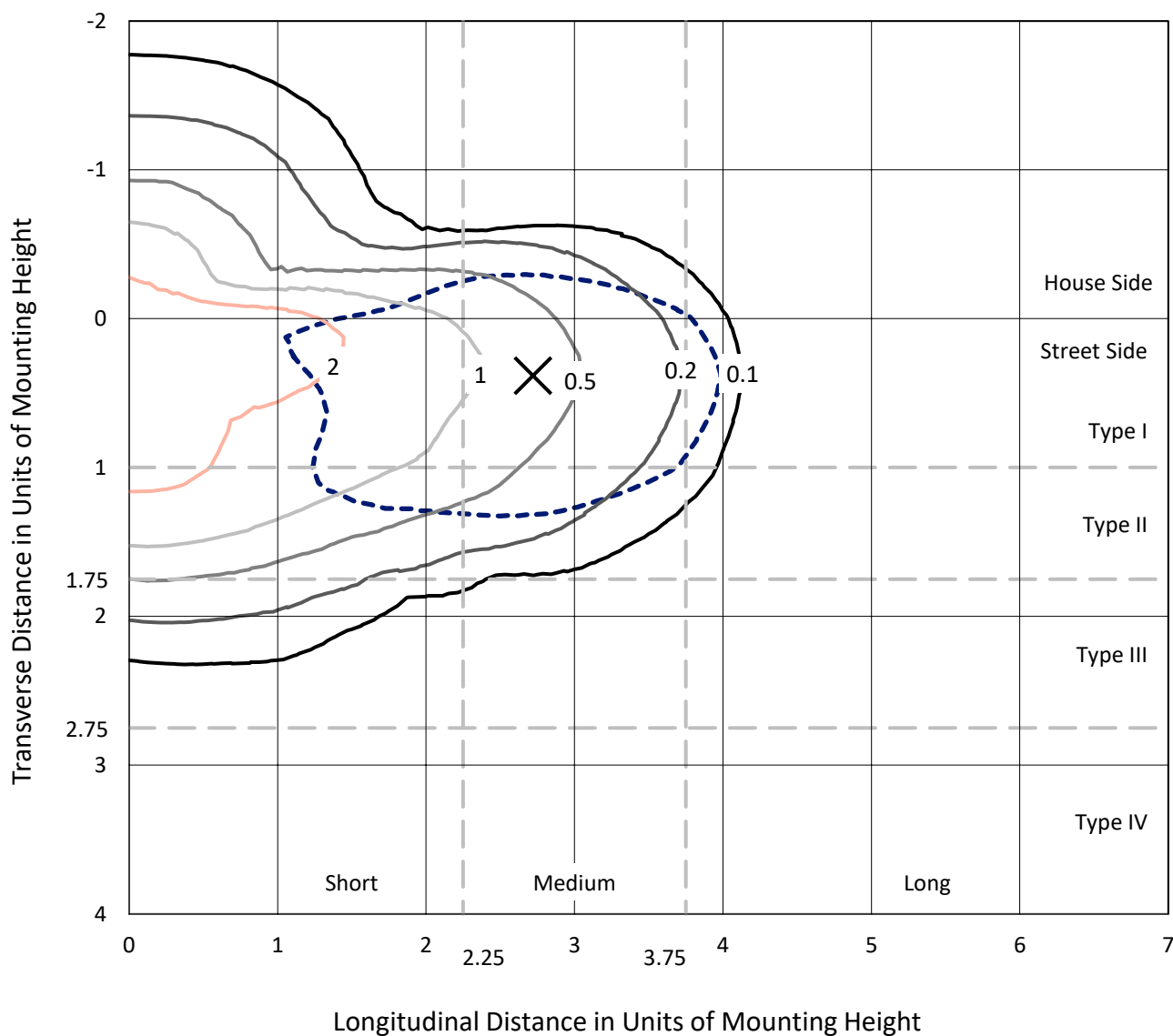


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Iso-Footcandle Lines of Horizontal Illumination

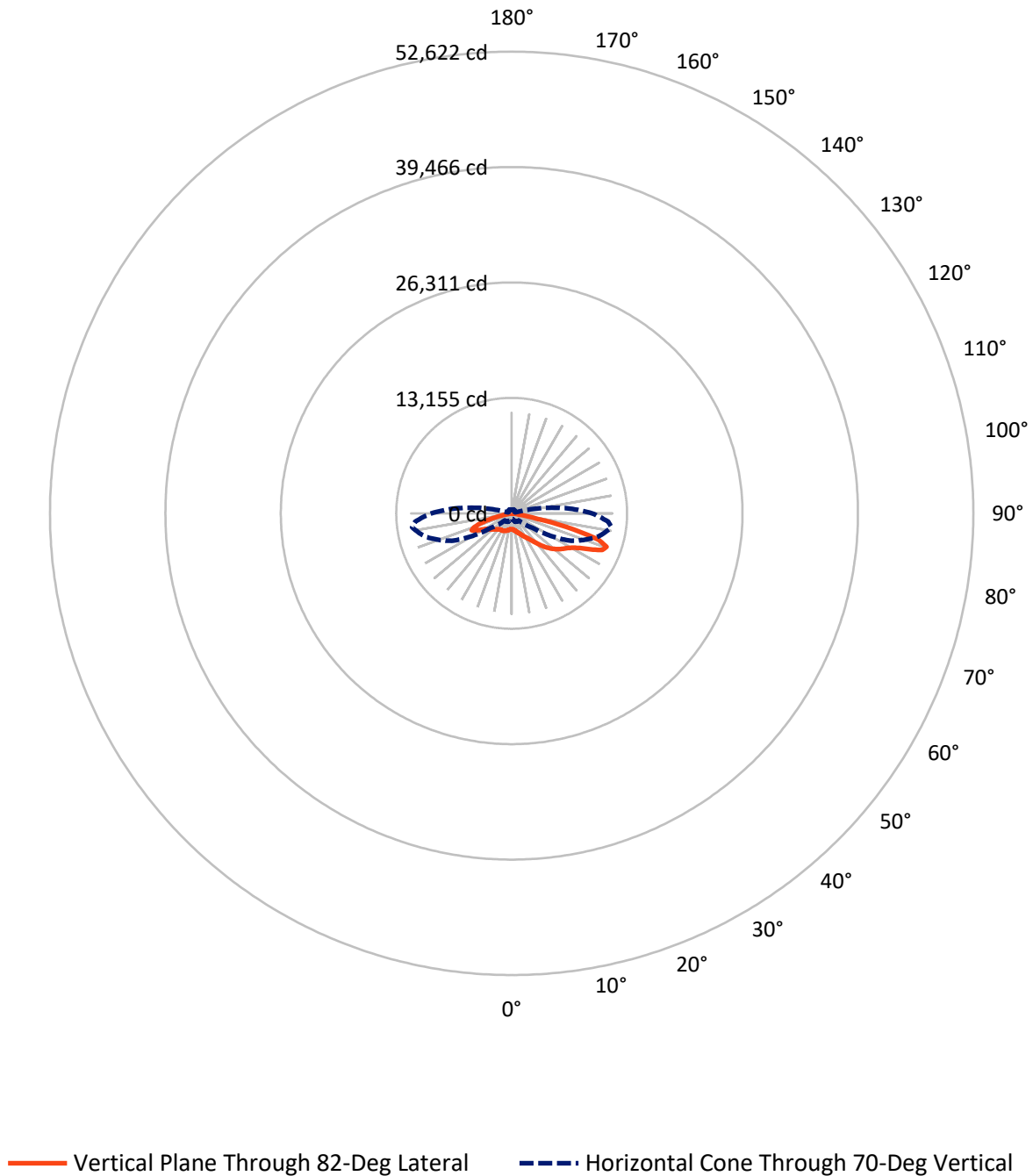
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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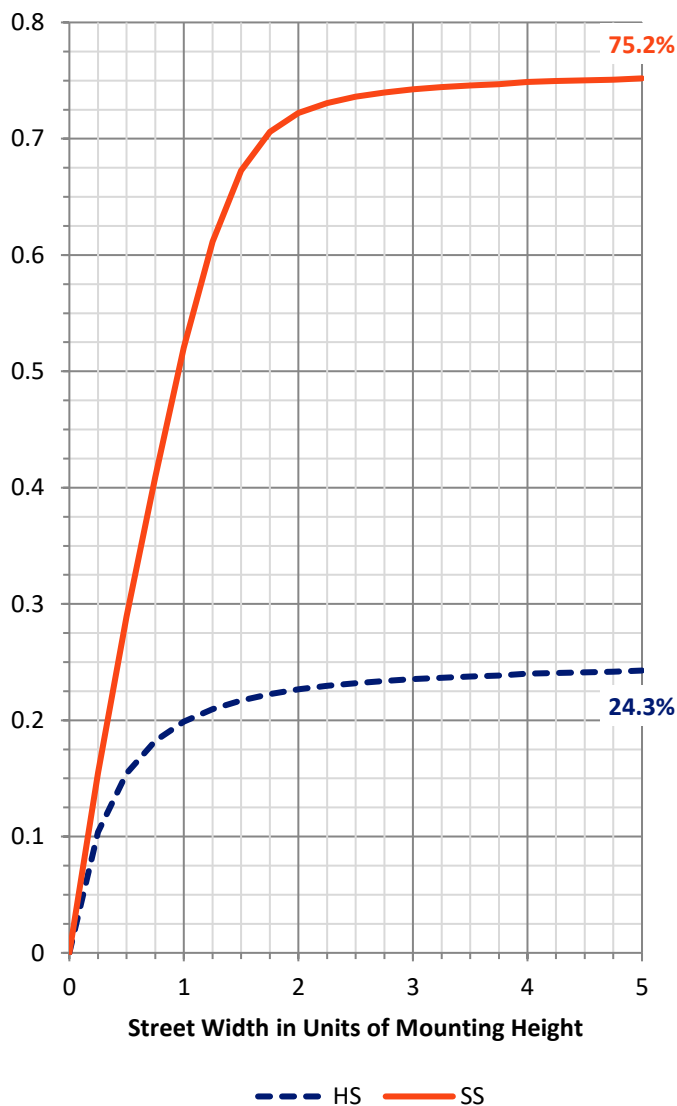
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3025.9	0.0	3025.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	9248.2	0.0	9248.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	12274.0	0.0	12274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	1.4
10°-20°	488.2	4.0
20°-30°	816.6	6.7
30°-40°	1275.8	10.4
40°-50°	2031.8	16.6
50°-60°	2827.5	23.0
60°-70°	2957.7	24.1
70°-80°	1545.9	12.6
80°-90°	160.5	1.3
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°	12274.0	100.0
0°-180°	12274.0	100.0

Coefficient of Utilization



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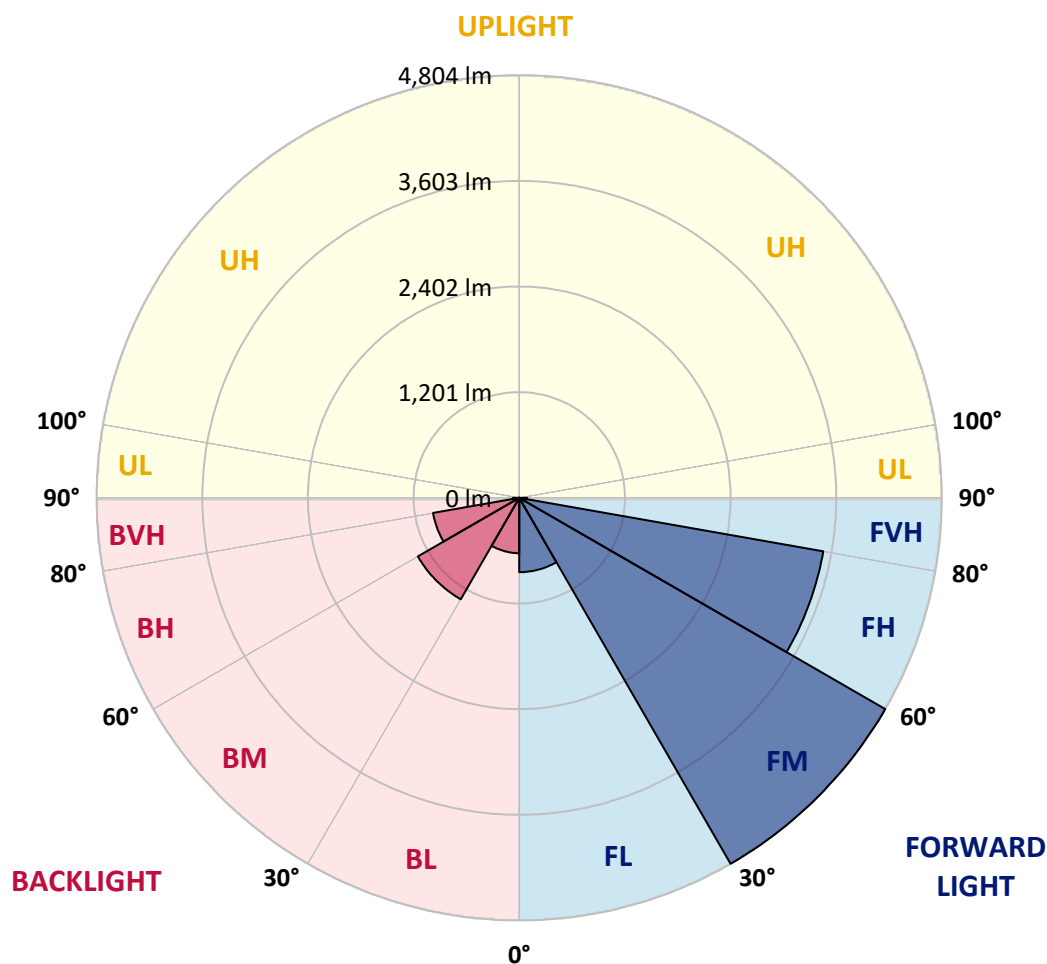
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	845.2	6.9			
FM	(30°-60°)	4803.9	39.1			
FH	(60°-80°)	3509.2	28.6			G2/5000
FVH	(80°-90°)	89.9	0.7			G1/100
BL	(0°-30°)	629.5	5.1	B2/1000		
BM	(30°-60°)	1331.3	10.8	B2/2500		
BH	(60°-80°)	994.4	8.1	B2/1000		G2/1000
BVH	(80°-90°)	70.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5
2.5°	1842.5	1852.9	1849.7	1846.4	1846.4	1841.9	1841.2	1834.7	1829.5	1821.0
5°	1866.0	1877.0	1875.7	1878.3	1886.8	1888.7	1890.7	1886.8	1876.4	1866.0
7.5°	1845.1	1857.5	1861.4	1877.0	1903.1	1926.5	1944.1	1951.3	1941.5	1926.5
10°	1774.8	1788.4	1802.1	1839.3	1885.5	1940.9	1987.7	2015.8	2013.8	1999.5
12.5°	1632.1	1646.5	1675.8	1748.1	1832.7	1930.4	2017.7	2076.3	2096.5	2086.1
15°	1518.2	1530.5	1552.7	1626.9	1737.0	1885.5	2028.8	2142.8	2194.2	2188.3
17.5°	1514.9	1520.1	1533.8	1569.0	1653.6	1815.2	2017.1	2207.9	2306.2	2305.6
20°	1572.2	1574.2	1582.0	1589.2	1637.3	1761.7	1987.1	2261.9	2431.9	2431.9
22.5°	1651.7	1650.4	1658.2	1651.7	1675.1	1757.2	1968.2	2309.5	2572.0	2582.4
25°	1770.9	1764.4	1762.4	1747.4	1752.0	1799.5	1989.0	2363.5	2738.0	2759.5
27.5°	1929.8	1919.4	1912.2	1877.7	1866.0	1886.8	2052.9	2428.7	2923.0	2960.1
30°	2136.9	2118.0	2107.6	2047.7	2005.3	2008.6	2149.3	2515.3	3116.4	3176.4
32.5°	2419.6	2390.2	2362.2	2263.9	2186.4	2161.0	2273.7	2635.1	3326.2	3421.9
35°	2736.1	2712.6	2682.7	2530.9	2411.7	2353.1	2441.7	2802.5	3571.7	3723.4
37.5°	3040.9	3020.7	3035.0	2830.5	2676.8	2591.5	2661.8	3027.2	3874.5	4098.6
40°	3356.1	3340.5	3342.4	3147.0	2967.9	2872.2	2928.9	3309.2	4221.7	4544.7
42.5°	3698.7	3687.0	3647.9	3474.6	3273.4	3184.2	3236.3	3634.9	4594.2	5052.7
45°	4082.3	4075.1	4038.7	3840.0	3609.5	3509.2	3579.5	3994.4	4968.7	5530.8
47.5°	4413.8	4419.7	4415.1	4247.7	4008.7	3861.5	3945.5	4369.5	5317.2	5980.2
50°	4573.4	4604.0	4648.9	4596.8	4448.3	4298.5	4314.8	4731.6	5649.3	6401.6
52.5°	4490.0	4548.0	4670.4	4753.8	4811.1	4779.8	4736.2	5091.2	5961.9	6781.9
55°	4179.3	4260.8	4464.0	4665.2	4957.6	5184.9	5242.3	5489.7	6266.7	7116.7
57.5°	3613.4	3745.6	3927.9	4335.0	4827.4	5381.0	5832.3	6042.7	6589.8	7474.2
60°	2642.9	2820.1	3046.7	3652.4	4371.5	5276.1	6334.5	6892.0	7048.9	7937.3
62.5°	1691.4	1800.8	2009.2	2579.8	3406.3	4738.8	6488.2	7953.6	7827.2	8696.7
65°	1158.0	1228.3	1419.2	1739.6	2202.0	3527.4	6076.6	8749.5	9063.4	9900.3
67.5°	841.5	894.9	1057.7	1338.4	1434.8	2087.4	4715.4	8713.0	10265.0	11140.4
70°	613.5	651.3	788.1	1057.7	1103.9	1161.3	2856.6	7406.5	10239.0	11469.9
72.5°	454.6	480.7	572.5	820.6	893.6	784.2	1414.0	5382.9	8798.3	10374.4
75°	328.9	348.4	416.2	627.8	715.1	597.2	705.4	3145.7	6137.1	7297.7
77.5°	251.4	266.4	310.7	459.8	572.5	448.1	437.7	1447.2	2910.0	2924.3
80°	201.9	211.7	235.8	323.7	439.0	335.4	285.3	584.2	919.6	778.3
82.5°	148.5	164.8	199.3	227.3	313.9	231.2	173.9	295.0	349.7	300.9
85°	84.7	95.7	120.5	162.8	200.6	141.3	99.6	130.9	162.8	133.5
87.5°	30.0	39.1	42.3	63.8	87.3	58.6	38.4	37.8	53.4	39.7
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°
1799.5	0°	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5	1799.5
1819.1	2.5°	1812.5	1809.3	1796.3	1778.7	1760.4	1742.9	1737.0	1724.6	1716.2	1711.6
1861.4	5°	1849.0	1838.6	1808.0	1768.9	1727.9	1683.6	1652.3	1623.7	1602.8	1583.3
1919.4	7.5°	1901.1	1882.9	1830.1	1761.7	1688.8	1615.2	1560.5	1518.8	1490.8	1472.6
1987.1	10°	1961.7	1933.7	1852.9	1750.7	1638.0	1532.5	1468.0	1432.2	1414.6	1404.8
2064.6	12.5°	2031.4	1991.7	1876.4	1725.3	1560.5	1440.0	1395.7	1385.3	1386.0	1386.6
2162.3	15°	2117.4	2062.0	1895.3	1669.9	1459.5	1369.0	1361.2	1378.1	1395.7	1404.2
2273.0	17.5°	2214.4	2136.2	1898.5	1578.7	1360.6	1323.4	1348.2	1384.6	1411.4	1423.1
2396.8	20°	2318.6	2211.8	1875.1	1449.8	1279.1	1286.3	1330.6	1377.5	1406.8	1421.8
2538.1	22.5°	2437.8	2292.6	1819.1	1314.3	1212.7	1245.9	1298.0	1343.6	1374.2	1389.2
2704.2	25°	2573.9	2383.1	1731.1	1200.3	1155.4	1200.3	1252.4	1290.2	1315.0	1328.6
2889.8	27.5°	2725.0	2477.5	1613.9	1109.8	1105.2	1153.4	1196.4	1225.7	1238.8	1249.2
3087.1	30°	2876.8	2563.5	1471.9	1041.4	1061.6	1107.2	1137.8	1150.8	1154.7	1156.7
3307.3	32.5°	3040.9	2637.7	1322.8	984.8	1019.9	1062.3	1080.5	1086.4	1068.1	1055.7
3574.3	35°	3239.5	2717.2	1176.9	939.8	978.9	1015.4	1021.2	1016.0	994.5	969.1
3909.1	37.5°	3485.1	2816.2	1060.3	907.9	940.5	964.6	957.4	956.1	958.1	928.1
4311.6	40°	3786.0	2945.1	975.0	883.2	909.2	914.4	894.2	905.3	915.1	869.5
4753.1	42.5°	4120.1	3100.8	920.9	866.2	883.2	870.8	839.5	851.9	850.6	790.7
5196.7	45°	4460.7	3270.1	902.0	853.8	859.1	834.3	799.8	803.0	775.7	721.6
5622.0	47.5°	4799.4	3451.9	913.8	843.4	829.1	801.1	774.4	760.1	719.7	679.3
6029.7	50°	5131.5	3642.7	956.7	822.6	788.1	771.8	752.2	726.8	683.9	649.3
6415.2	52.5°	5439.6	3834.8	1004.9	788.1	736.6	746.4	734.0	704.7	662.4	627.2
6780.0	55°	5731.4	4026.9	1023.8	740.5	688.4	724.2	717.1	663.0	612.2	583.6
7161.6	57.5°	6049.2	4258.2	1003.0	679.9	649.3	698.8	671.5	611.6	582.3	560.8
7658.6	60°	6489.5	4620.9	958.1	605.1	612.2	661.1	614.2	589.4	557.5	533.4
8403.6	62.5°	7220.9	5297.6	885.8	530.8	568.6	605.1	586.8	562.1	529.5	506.1
9677.6	65°	8302.0	6238.1	749.6	472.8	519.7	550.3	557.5	532.8	498.9	474.1
10793.9	67.5°	9213.8	6828.2	567.3	424.6	469.6	506.1	526.2	502.1	466.3	442.2
11055.0	70°	9163.7	6399.6	433.1	377.1	425.3	462.4	488.5	469.6	431.2	408.4
10041.6	72.5°	8139.2	5353.6	350.4	328.9	380.4	416.8	448.1	433.8	394.7	372.5
7356.4	75°	5979.5	3800.3	280.1	280.1	324.3	369.3	403.8	394.7	358.9	343.2
3088.4	77.5°	2520.5	1594.4	219.5	232.5	269.6	317.2	360.2	363.4	332.2	351.7
816.7	80°	670.2	439.6	167.4	183.0	211.7	261.8	313.3	312.0	278.1	259.9
303.5	82.5°	255.3	173.2	119.2	129.0	153.1	200.6	248.1	256.0	222.1	192.1
119.2	85°	98.3	74.2	73.6	77.5	89.2	132.9	187.6	194.1	167.4	142.0
33.2	87.5°	25.4	22.1	27.4	26.1	41.0	71.0	107.5	111.4	102.3	59.3
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°
1799.5
1716.8
1591.1
1476.5
1407.4
1387.9
1403.5
1425.7
1425.7
1393.1
1332.5
1253.1
1161.3
1059.7
970.4
930.0
870.8
790.0
723.6
679.3
646.7
627.8
581.0
558.8
532.1
506.1
475.4
442.9
410.3
372.5
338.7
319.1
241.6
192.1
146.5
84.7
0.0