

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: P947157

Luminaire Tested: **GLAN-SB2C-830-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11204 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

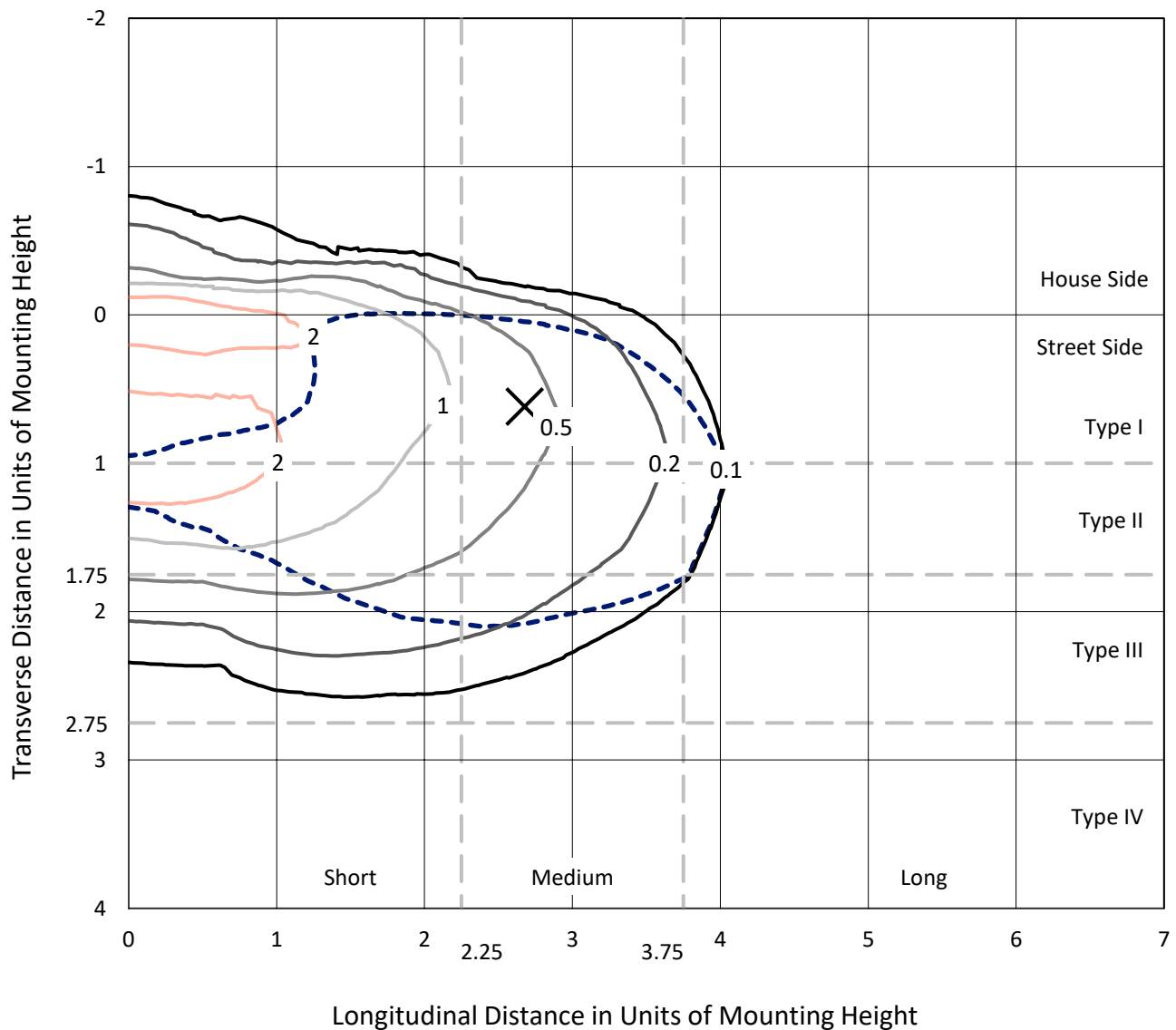
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

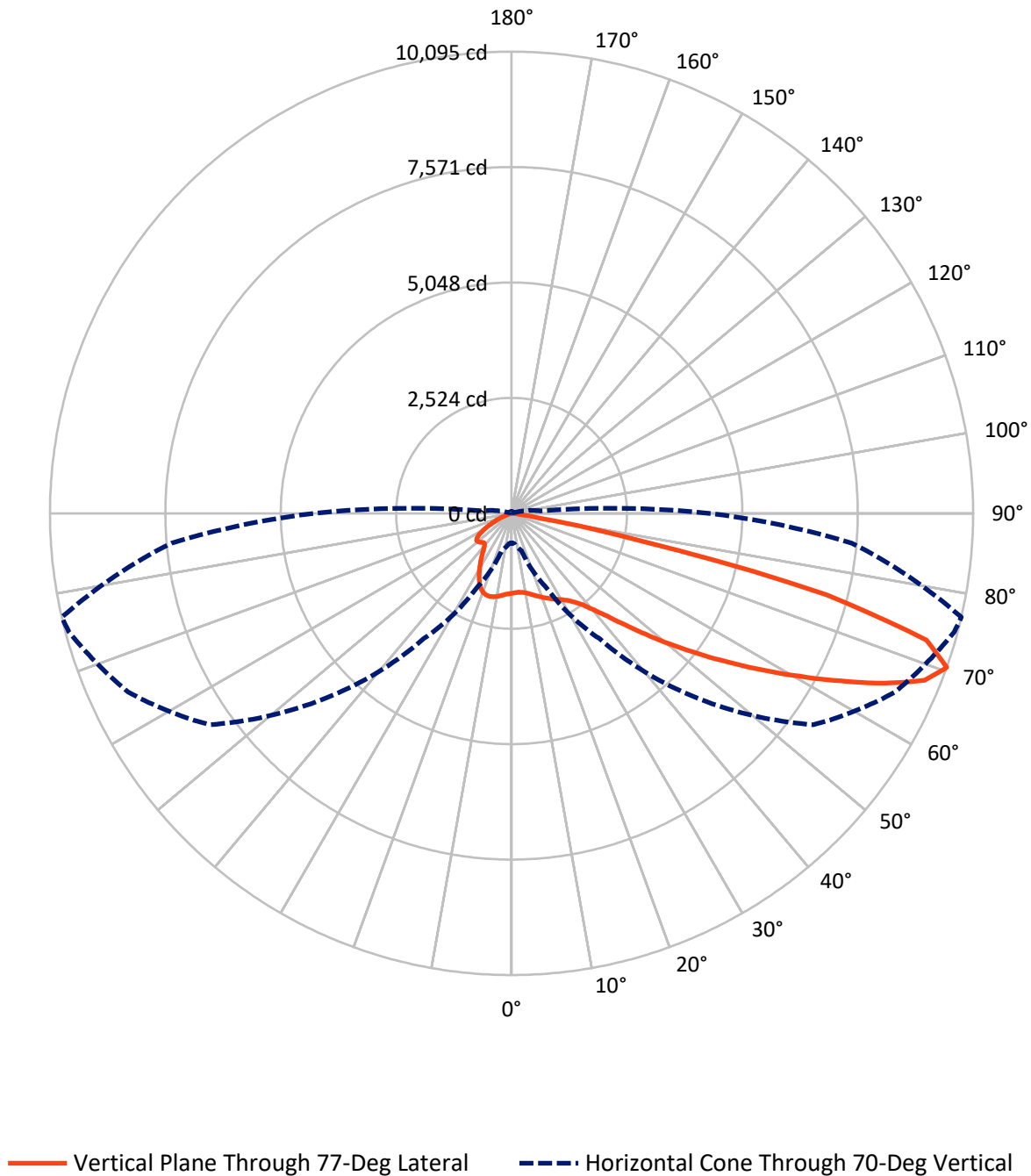
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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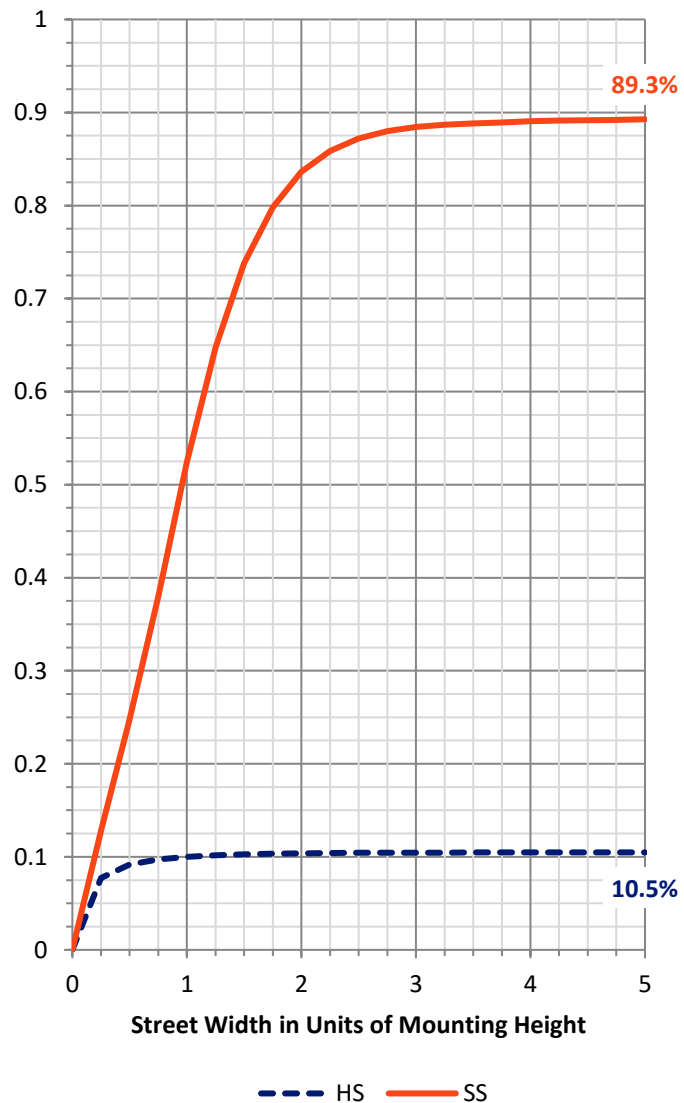
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.1	0.0	1181.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	10022.9	0.0	10022.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	11204.0	0.0	11204.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	1.3
10°-20°	357.5	3.2
20°-30°	553.0	4.9
30°-40°	1003.5	9.0
40°-50°	1894.2	16.9
50°-60°	2737.0	24.4
60°-70°	2913.5	26.0
70°-80°	1543.9	13.8
80°-90°	50.7	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°	11204.0	100.0
0°-180°	11204.0	100.0

Coefficient of Utilization



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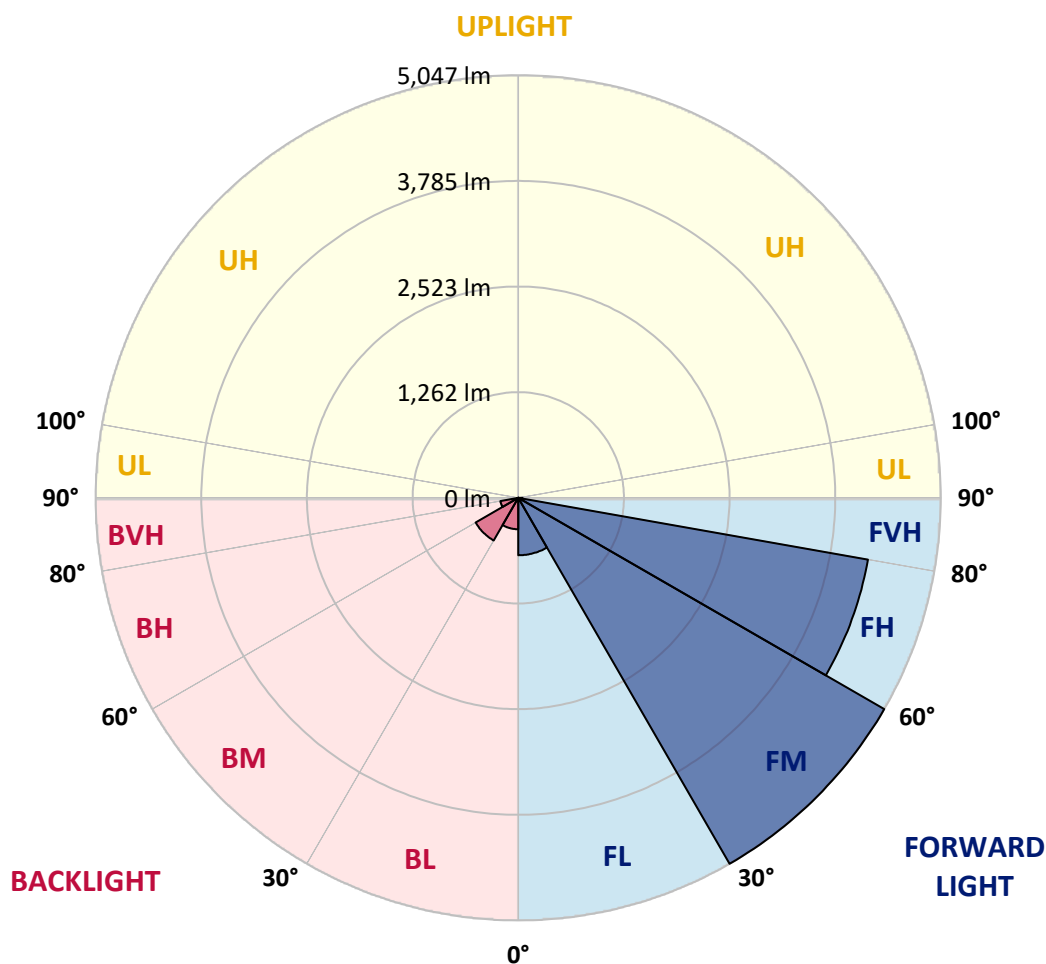
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	686.0	6.1			
FM	(30°-60°)	5046.8	45.0			
FH	(60°-80°)	4240.9	37.9			G2/5000
FVH	(80°-90°)	49.3	0.4			G1/100
BL	(0°-30°)	375.2	3.3	B1/500		
BM	(30°-60°)	587.9	5.2	B1/1000		
BH	(60°-80°)	216.5	1.9	B1/500		G1/500
BVH	(80°-90°)	1.4	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6
2.5°	1640.8	1655.6	1653.5	1663.4	1667.0	1681.1	1695.3	1714.4	1735.6	1734.9
5°	1548.1	1563.0	1566.5	1579.9	1596.9	1618.8	1647.9	1686.1	1725.7	1732.1
7.5°	1438.4	1454.0	1463.2	1490.1	1521.2	1566.5	1613.9	1669.8	1735.6	1744.8
10°	1328.8	1342.9	1354.9	1393.1	1442.7	1509.9	1587.0	1667.7	1756.1	1769.6
12.5°	1260.8	1274.3	1287.7	1321.0	1382.5	1464.6	1569.3	1677.6	1790.1	1809.2
15°	1236.8	1248.8	1259.4	1289.1	1346.4	1439.8	1565.8	1698.1	1833.2	1858.7
17.5°	1240.3	1246.7	1253.8	1276.4	1332.3	1428.5	1572.2	1733.5	1884.2	1906.8
20°	1260.8	1264.4	1265.1	1280.6	1330.2	1427.1	1584.9	1767.4	1932.3	1962.7
22.5°	1287.0	1288.4	1287.0	1297.6	1343.6	1437.7	1601.9	1808.5	1986.1	2014.4
25°	1409.4	1382.5	1348.6	1328.1	1366.3	1458.2	1627.3	1863.7	2044.8	2072.4
27.5°	1789.4	1712.2	1590.5	1454.0	1413.0	1488.0	1662.7	1919.6	2104.2	2129.0
30°	2406.3	2305.2	2098.6	1790.8	1563.0	1550.2	1708.7	1975.4	2167.2	2194.1
32.5°	3024.7	3000.0	2761.5	2335.6	1900.5	1688.9	1785.1	2051.2	2250.7	2271.9
35°	3650.2	3600.0	3404.7	2983.7	2420.5	1971.2	1912.5	2150.2	2360.4	2384.4
37.5°	4129.2	4098.8	3977.8	3631.1	3037.5	2407.0	2130.4	2303.7	2519.5	2546.4
40°	4552.3	4538.2	4497.1	4268.6	3727.3	2977.3	2469.3	2541.5	2740.3	2772.1
42.5°	4884.9	4918.1	4941.5	4877.8	4438.4	3628.3	2925.0	2875.4	3048.1	3080.6
45°	5225.2	5236.5	5330.6	5422.6	5144.5	4308.9	3438.6	3266.7	3430.9	3471.2
47.5°	5443.8	5489.1	5654.7	5816.7	5738.1	4983.9	3990.5	3728.7	3874.5	3950.2
50°	5460.1	5545.7	5773.5	6055.8	6170.4	5626.4	4590.5	4255.1	4410.1	4493.6
52.5°	5189.1	5322.1	5675.2	6088.4	6403.9	6170.4	5211.0	4781.5	4980.4	5089.3
55°	3978.5	4152.5	5305.1	5911.5	6413.1	6582.9	5815.3	5329.9	5615.7	5738.8
57.5°	3466.2	3554.0	4170.9	5604.4	6242.6	6749.2	6361.5	5852.1	6307.0	6459.8
60°	2883.9	2999.3	3498.1	5102.1	6011.3	6765.5	6844.0	6525.6	7056.3	7228.2
62.5°	1959.9	2085.1	2581.1	4238.9	5695.0	6757.7	7239.5	7219.0	7889.1	8073.7
65°	1214.1	1292.7	1619.6	3461.3	5252.8	6766.2	7653.5	8061.0	8767.8	8955.3
67.5°	959.4	995.5	1166.0	2657.5	4490.8	6575.2	8066.7	8852.7	9594.9	9743.5
70°	644.6	666.5	848.3	1781.6	3341.0	5693.6	8058.9	9250.4	10020.9	10095.2
72.5°	339.6	356.6	496.0	825.0	2017.9	4047.1	6793.1	8774.9	9597.1	9485.3
75°	169.8	198.1	334.0	418.9	861.8	2257.0	4218.3	6918.3	7553.7	7120.7
77.5°	128.8	155.7	275.9	275.9	300.0	759.9	1786.5	3773.3	3480.4	2898.1
80°	82.1	106.1	241.3	208.7	125.2	193.2	465.6	1057.1	739.4	562.5
82.5°	48.1	69.3	200.9	138.0	70.0	71.5	131.6	225.0	191.7	149.3
85°	19.1	45.3	138.0	54.5	27.6	17.7	39.6	48.1	39.6	29.7
87.5°	0.0	10.6	24.1	0.0	2.1	1.4	2.8	3.5	3.5	2.8
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°
1747.6	0°	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6
1749.0	2.5°	1755.4	1756.8	1761.1	1761.8	1751.9	1739.1	1734.2	1732.1	1723.6	1722.9
1760.4	5°	1776.6	1783.0	1776.6	1758.2	1714.4	1652.8	1606.1	1567.9	1533.2	1522.6
1799.3	7.5°	1819.1	1825.5	1806.3	1734.2	1623.8	1501.4	1391.0	1313.2	1243.1	1217.0
1846.7	10°	1879.9	1888.4	1828.3	1682.5	1487.2	1290.6	1103.8	972.2	869.6	827.8
1911.1	12.5°	1956.3	1959.9	1840.3	1604.0	1309.7	1028.8	764.1	623.3	532.1	498.1
1988.9	15°	2040.5	2035.6	1841.7	1497.2	1067.7	727.4	498.8	409.7	372.9	361.6
2066.7	17.5°	2129.0	2108.5	1813.4	1342.9	802.3	497.4	370.0	348.8	342.4	339.6
2143.8	20°	2216.0	2170.0	1761.8	1141.3	575.9	371.5	336.1	329.7	326.2	324.8
2221.7	22.5°	2295.3	2216.7	1673.3	907.1	418.2	328.3	317.7	312.0	305.7	302.8
2297.4	25°	2372.4	2243.6	1548.8	688.4	334.7	307.1	298.6	288.0	279.5	275.9
2378.7	27.5°	2447.4	2260.6	1393.1	509.4	298.6	287.3	271.7	256.8	250.5	249.1
2465.8	30°	2527.3	2266.2	1216.3	379.9	276.6	262.5	239.9	222.9	219.3	220.0
2583.2	32.5°	2625.0	2274.7	1038.0	311.3	258.3	232.8	205.9	188.2	185.4	188.2
2754.4	35°	2741.7	2291.7	866.0	286.6	242.0	202.4	173.3	158.5	155.7	157.8
2973.8	37.5°	2900.2	2319.3	705.4	281.6	228.5	176.9	145.8	133.7	133.7	134.4
3242.7	40°	3111.0	2392.9	561.8	278.1	221.5	157.8	123.1	118.2	120.3	121.7
3585.1	42.5°	3367.9	2549.3	464.9	273.8	213.7	149.3	111.8	109.7	113.2	114.6
3995.5	45°	3655.9	2747.4	430.9	266.7	206.6	155.0	106.8	104.0	108.3	109.0
4455.4	47.5°	3953.7	2941.2	426.6	259.0	199.5	163.4	105.4	99.1	104.0	104.7
4946.4	50°	4255.1	3067.9	430.9	246.9	188.2	163.4	106.1	94.1	98.3	100.5
5455.8	52.5°	4558.7	3125.9	428.1	220.8	168.4	153.5	106.1	89.9	94.1	95.5
6006.3	55°	4853.0	3114.6	384.9	181.8	142.9	135.8	103.3	86.3	89.1	89.9
6526.3	57.5°	5085.8	2956.8	304.9	141.5	116.0	113.2	94.1	82.1	84.2	83.5
7003.2	60°	5207.5	2610.1	217.9	109.0	91.3	89.1	82.8	76.4	77.8	74.3
7407.2	62.5°	5208.9	2151.6	145.8	86.3	72.9	70.8	70.8	68.6	67.2	60.1
7720.0	65°	5097.8	1642.9	96.9	68.6	58.7	55.2	59.4	58.7	53.8	43.9
7815.5	67.5°	4845.9	1076.9	73.6	53.8	45.3	43.2	47.4	49.5	46.0	36.8
7467.4	70°	4328.0	626.9	60.8	41.7	34.0	31.8	38.2	42.5	38.2	29.7
6382.7	72.5°	3595.0	338.2	49.5	31.1	23.3	21.2	30.4	34.7	30.4	21.9
4095.2	75°	2332.8	181.1	38.2	20.5	12.0	13.4	22.6	25.5	21.2	14.2
1202.1	77.5°	783.2	80.0	24.1	9.9	5.7	5.7	13.4	15.6	9.9	5.0
218.6	80°	174.8	33.3	9.9	4.2	2.1	2.1	2.8	2.8	1.4	0.0
67.2	82.5°	57.3	13.4	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
17.0	85°	21.9	5.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.7	87.5°	8.5	0.7	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°
1747.6
1724.3
1516.3
1206.4
810.1
487.5
361.6
338.9
323.3
302.1
274.5
247.6
220.0
187.5
157.1
133.7
121.7
114.6
109.7
105.4
101.2
95.5
89.9
83.5
73.6
58.0
42.5
36.1
28.3
21.2
12.7
4.2
0.0
0.0
0.0
0.0
0.0