

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: P947661

Luminaire Tested: **GLAN-SB2D-940-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947661
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-SB2D-940-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 900mA 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: 12277 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

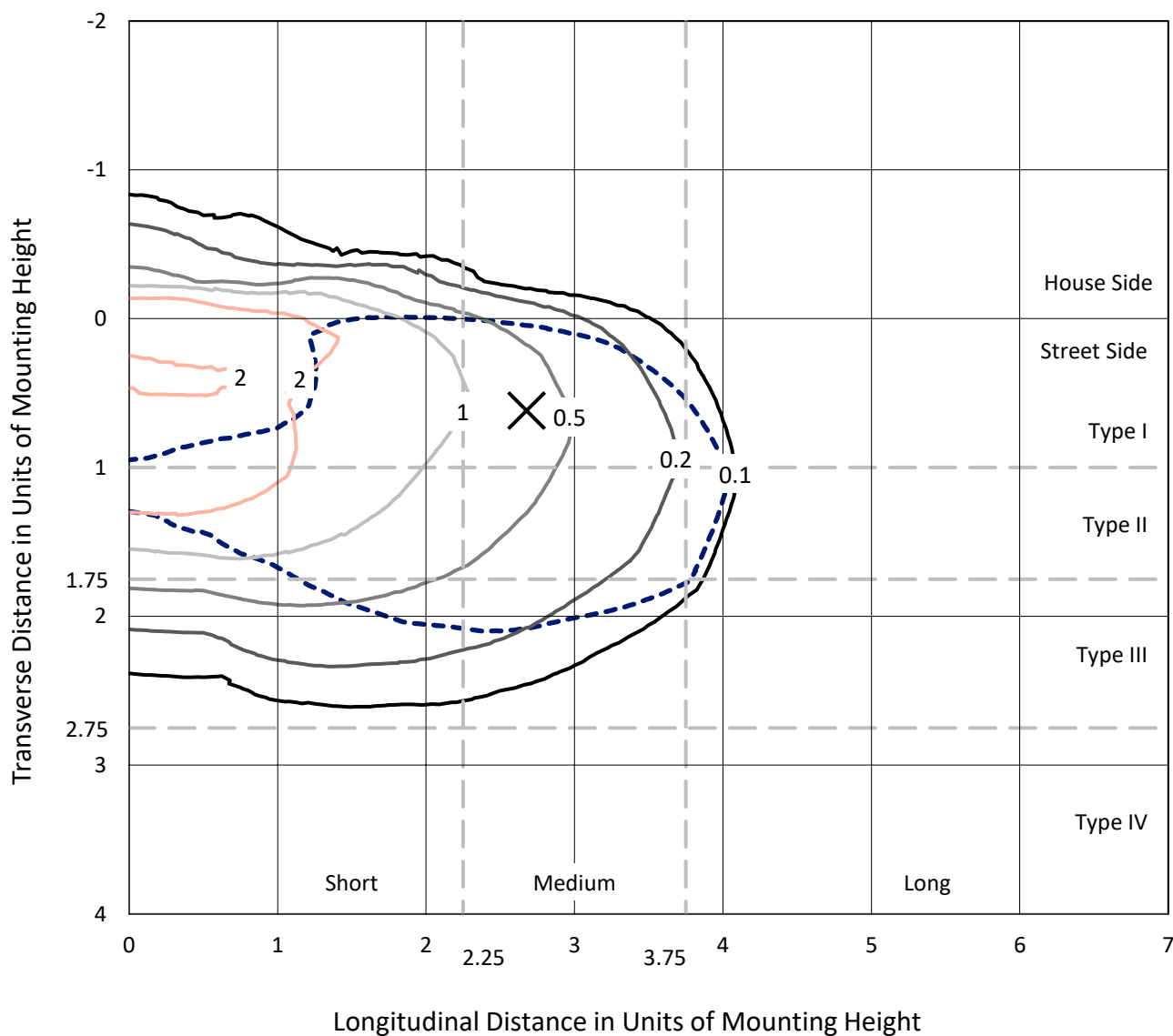
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

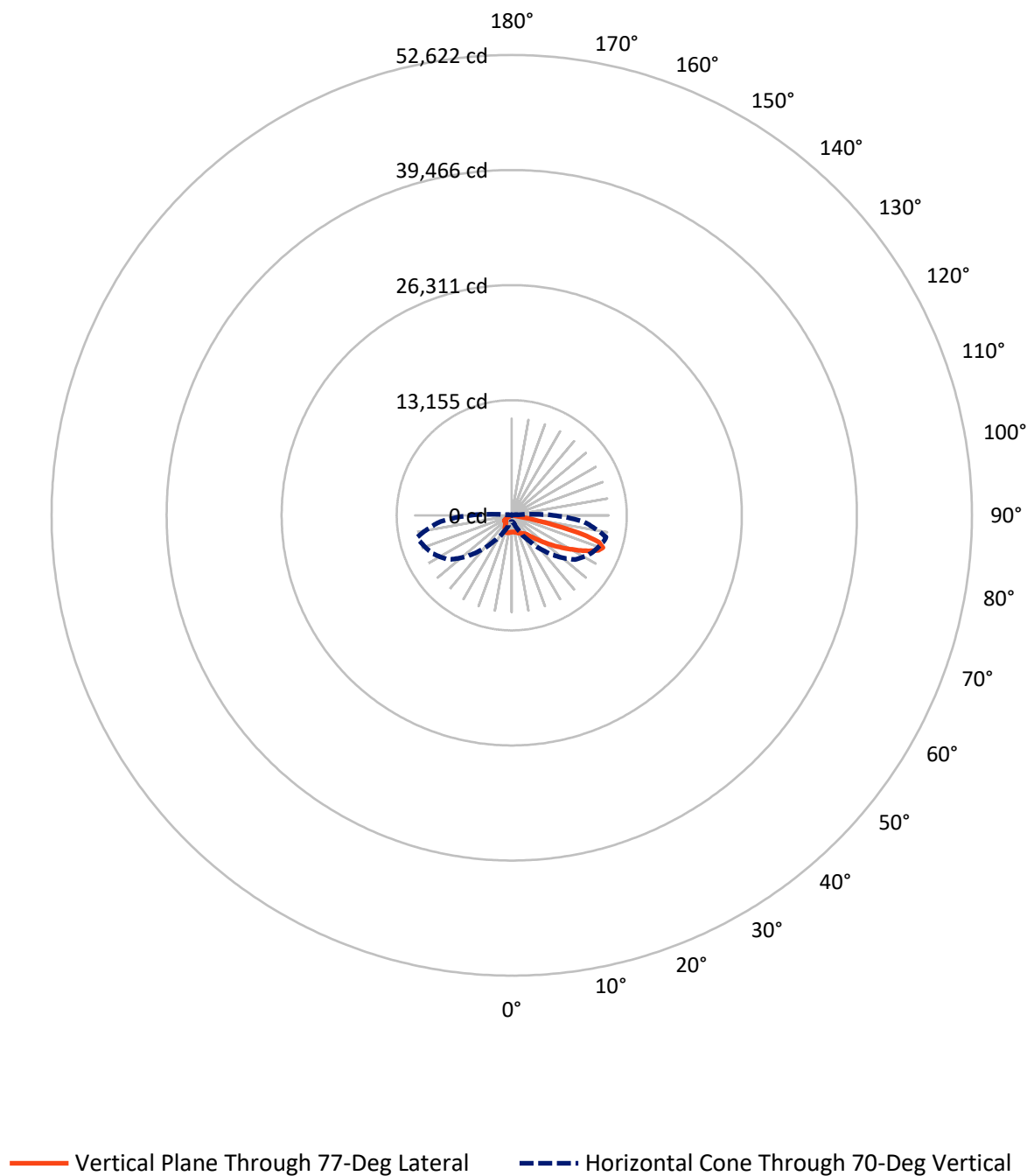
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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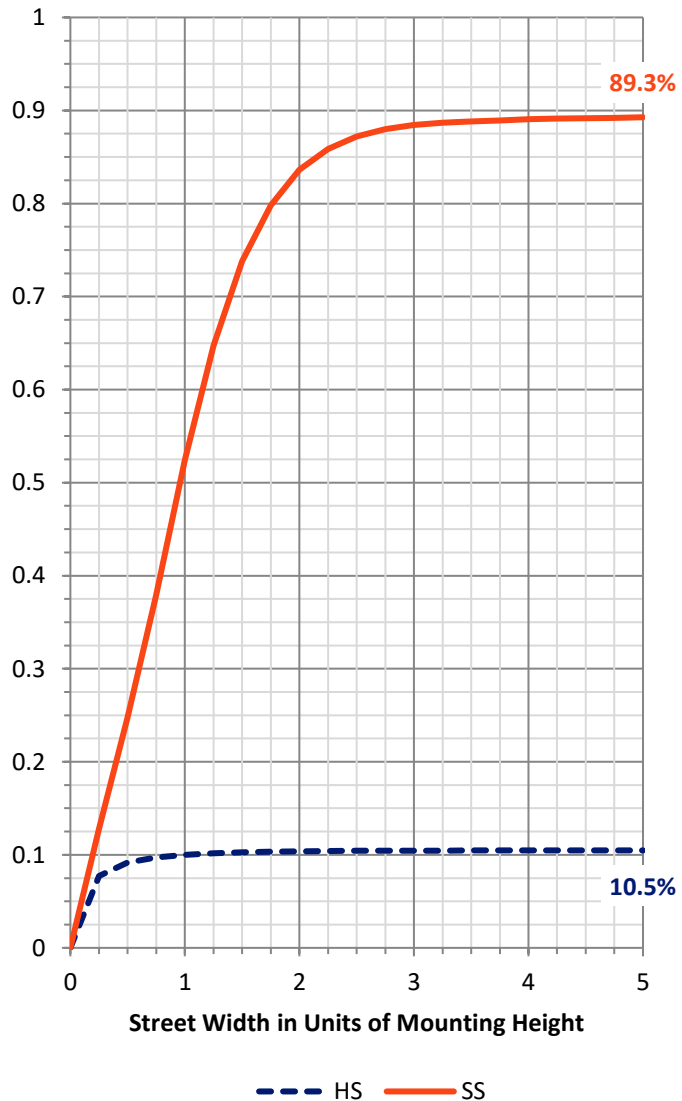
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1294.2	0.0	1294.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	10982.8	0.0	10982.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	12277.0	0.0	12277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	1.3
10°-20°	391.8	3.2
20°-30°	606.0	4.9
30°-40°	1099.6	9.0
40°-50°	2075.6	16.9
50°-60°	2999.1	24.4
60°-70°	3192.5	26.0
70°-80°	1691.8	13.8
80°-90°	55.6	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°	12277.0	100.0
0°-180°	12277.0	100.0

Coefficient of Utilization



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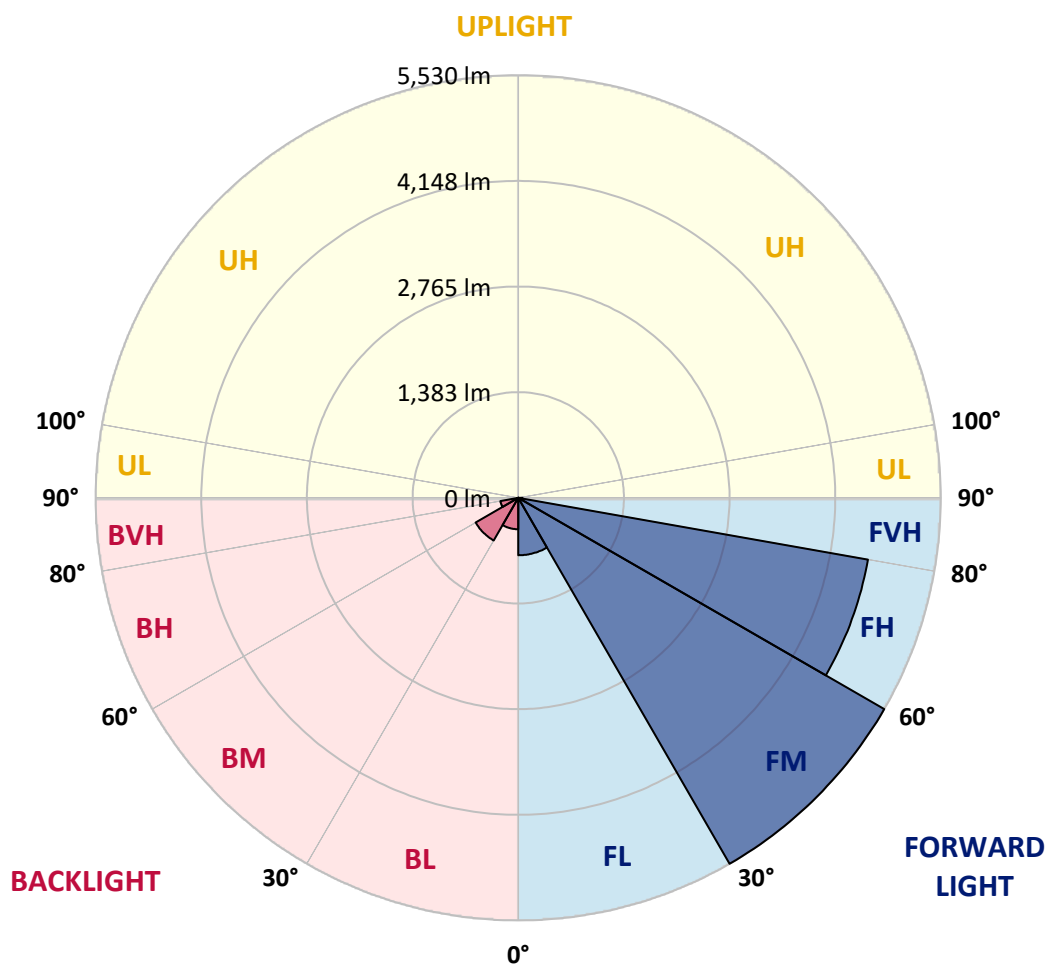
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	751.6	6.1			
FM	(30°-60°)	5530.1	45.0			
FH	(60°-80°)	4647.0	37.9			G2/5000
FVH	(80°-90°)	54.1	0.4			G1/100
BL	(0°-30°)	411.2	3.3	B1/500		
BM	(30°-60°)	644.2	5.2	B1/1000		
BH	(60°-80°)	237.3	1.9	B1/500		G1/500
BVH	(80°-90°)	1.5	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°	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0
2.5°	1797.9	1814.2	1811.9	1822.7	1826.6	1842.1	1857.6	1878.6	1901.8	1901.0
5°	1696.4	1712.6	1716.5	1731.2	1749.9	1773.9	1805.7	1847.5	1891.0	1897.9
7.5°	1576.2	1593.2	1603.3	1632.8	1666.9	1716.5	1768.5	1829.7	1901.8	1911.9
10°	1456.0	1471.5	1484.7	1526.6	1580.8	1654.5	1739.0	1827.4	1924.3	1939.0
12.5°	1381.6	1396.3	1411.0	1447.5	1514.9	1604.9	1719.6	1838.2	1961.5	1982.4
15°	1355.2	1368.4	1380.0	1412.6	1475.4	1577.7	1715.7	1860.7	2008.8	2036.7
17.5°	1359.1	1366.1	1373.8	1398.6	1459.9	1565.3	1722.7	1899.5	2064.6	2089.4
20°	1381.6	1385.5	1386.2	1403.3	1457.6	1563.8	1736.7	1936.7	2117.3	2150.7
22.5°	1410.3	1411.8	1410.3	1421.9	1472.3	1575.4	1755.3	1981.7	2176.3	2207.3
25°	1544.4	1514.9	1477.7	1455.2	1497.1	1597.9	1783.2	2042.1	2240.6	2270.9
27.5°	1960.7	1876.2	1742.9	1593.2	1548.3	1630.5	1822.0	2103.4	2305.7	2332.9
30°	2636.8	2525.9	2299.5	1962.3	1712.6	1698.7	1872.3	2164.6	2374.7	2404.2
32.5°	3314.4	3287.3	3026.0	2559.3	2082.5	1850.6	1956.1	2247.6	2466.2	2489.5
35°	3999.8	3944.7	3730.7	3269.4	2652.3	2160.0	2095.6	2356.1	2586.4	2612.8
37.5°	4524.6	4491.3	4358.7	3978.8	3328.4	2637.6	2334.4	2524.4	2760.8	2790.3
40°	4988.3	4972.8	4927.8	4677.4	4084.3	3262.5	2705.8	2784.9	3002.7	3037.6
42.5°	5352.7	5389.1	5414.7	5344.9	4863.5	3975.7	3205.1	3150.8	3340.0	3375.7
45°	5725.6	5738.0	5841.1	5941.9	5637.2	4721.6	3768.0	3579.6	3759.4	3803.6
47.5°	5965.2	6014.8	6196.2	6373.7	6287.7	5461.2	4372.7	4085.8	4245.5	4328.5
50°	5983.0	6076.8	6326.4	6635.8	6761.4	6165.2	5030.1	4662.7	4832.4	4923.9
52.5°	5686.0	5831.8	6218.7	6671.5	7017.2	6761.4	5710.1	5239.5	5457.3	5576.7
55°	4359.5	4550.2	5813.2	6477.6	7027.3	7213.4	6372.2	5840.3	6153.6	6288.5
57.5°	3798.2	3894.3	4570.4	6141.1	6840.5	7395.6	6970.7	6412.5	6911.0	7078.5
60°	3160.1	3286.5	3833.1	5590.7	6586.9	7413.4	7499.5	7150.6	7732.1	7920.5
62.5°	2147.6	2284.8	2828.3	4644.8	6240.4	7404.9	7932.9	7910.4	8644.6	8846.9
65°	1330.4	1416.5	1774.7	3792.8	5755.8	7414.2	8386.4	8833.0	9607.5	9813.0
67.5°	1051.3	1090.8	1277.7	2912.0	4920.8	7204.9	8839.2	9700.5	10513.8	10676.7
70°	706.3	730.3	929.6	1952.2	3661.0	6238.8	8830.7	10136.3	10980.6	11062.0
72.5°	372.1	390.8	543.5	904.0	2211.2	4434.7	7443.7	9615.3	10516.2	10393.7
75°	186.1	217.1	365.9	459.0	944.3	2473.2	4622.3	7580.9	8277.1	7802.6
77.5°	141.1	170.6	302.4	302.4	328.7	832.7	1957.6	4134.7	3813.7	3175.6
80°	89.9	116.3	264.4	228.7	137.2	211.7	510.1	1158.3	810.2	616.4
82.5°	52.7	76.0	220.2	151.2	76.8	78.3	144.2	246.5	210.1	163.6
85°	20.9	49.6	151.2	59.7	30.2	19.4	43.4	52.7	43.4	32.6
87.5°	0.0	11.6	26.4	0.0	2.3	1.6	3.1	3.9	3.9	3.1
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°
1915.0	0°	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0
1916.5	2.5°	1923.5	1925.1	1929.7	1930.5	1919.6	1905.7	1900.3	1897.9	1888.6	1887.9
1928.9	5°	1946.8	1953.8	1946.8	1926.6	1878.6	1811.1	1759.9	1718.1	1680.1	1668.4
1971.6	7.5°	1993.3	2000.3	1979.3	1900.3	1779.3	1645.2	1524.2	1439.0	1362.2	1333.5
2023.5	10°	2060.0	2069.3	2003.4	1843.7	1629.7	1414.1	1209.5	1065.3	952.8	907.1
2094.1	12.5°	2143.7	2147.6	2016.6	1757.6	1435.1	1127.3	837.3	683.0	583.0	545.8
2179.4	15°	2236.0	2230.5	2018.1	1640.5	1169.9	797.0	546.6	448.9	408.6	396.2
2264.7	17.5°	2332.9	2310.4	1987.1	1471.5	879.2	545.0	405.5	382.2	375.2	372.1
2349.2	20°	2428.2	2377.8	1930.5	1250.6	631.1	407.0	368.3	361.3	357.4	355.9
2434.4	22.5°	2515.1	2429.0	1833.6	993.9	458.2	359.7	348.1	341.9	334.9	331.8
2517.4	25°	2599.6	2458.5	1697.1	754.4	366.7	336.5	327.2	315.5	306.2	302.4
2606.6	27.5°	2681.8	2477.1	1526.6	558.2	327.2	314.8	297.7	281.4	274.5	272.9
2701.9	30°	2769.4	2483.3	1332.7	416.3	303.1	287.6	262.8	244.2	240.3	241.1
2830.6	32.5°	2876.4	2492.6	1137.4	341.1	283.0	255.1	225.6	206.2	203.1	206.2
3018.2	35°	3004.3	2511.2	949.0	314.0	265.2	221.7	189.9	173.7	170.6	172.9
3258.6	37.5°	3178.0	2541.4	773.0	308.6	250.4	193.8	159.7	146.5	146.5	147.3
3553.2	40°	3409.0	2622.1	615.6	304.7	242.7	172.9	134.9	129.5	131.8	133.4
3928.4	42.5°	3690.4	2793.4	509.4	300.0	234.1	163.6	122.5	120.2	124.0	125.6
4378.1	45°	4006.0	3010.5	472.2	292.3	226.4	169.8	117.1	114.0	118.6	119.4
4882.1	47.5°	4332.4	3222.9	467.5	283.8	218.6	179.1	115.5	108.5	114.0	114.7
5420.1	50°	4662.7	3361.7	472.2	270.6	206.2	179.1	116.3	103.1	107.8	110.1
5978.3	52.5°	4995.3	3425.3	469.1	241.9	184.5	168.2	116.3	98.5	103.1	104.7
6581.5	55°	5317.8	3412.9	421.8	199.3	156.6	148.9	113.2	94.6	97.7	98.5
7151.4	57.5°	5572.9	3240.0	334.2	155.1	127.1	124.0	103.1	89.9	92.3	91.5
7673.9	60°	5706.2	2860.1	238.8	119.4	100.0	97.7	90.7	83.7	85.3	81.4
8116.6	62.5°	5707.8	2357.7	159.7	94.6	79.9	77.5	77.5	75.2	73.7	65.9
8459.3	65°	5586.0	1800.2	106.2	75.2	64.3	60.5	65.1	64.3	58.9	48.1
8564.0	67.5°	5310.0	1180.0	80.6	58.9	49.6	47.3	51.9	54.3	50.4	40.3
8182.5	70°	4742.5	686.9	66.7	45.7	37.2	34.9	41.9	46.5	41.9	32.6
6994.0	72.5°	3939.3	370.6	54.3	34.1	25.6	23.3	33.3	38.0	33.3	24.0
4487.4	75°	2556.2	198.5	41.9	22.5	13.2	14.7	24.8	27.9	23.3	15.5
1317.2	77.5°	858.3	87.6	26.4	10.9	6.2	6.2	14.7	17.1	10.9	5.4
239.6	80°	191.5	36.4	10.9	4.7	2.3	2.3	3.1	3.1	1.6	0.0
73.7	82.5°	62.8	14.7	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
18.6	85°	24.0	5.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.2	87.5°	9.3	0.8	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°
1915.0
1889.4
1661.5
1321.9
887.7
534.2
396.2
371.4
354.3
331.1
300.8
271.4
241.1
205.5
172.1
146.5
133.4
125.6
120.2
115.5
110.9
104.7
98.5
91.5
80.6
63.6
46.5
39.5
31.0
23.3
14.0
4.7
0.0
0.0
0.0
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