

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: P939204

Luminaire Tested: **GLAN-SB1C-940-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-940-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

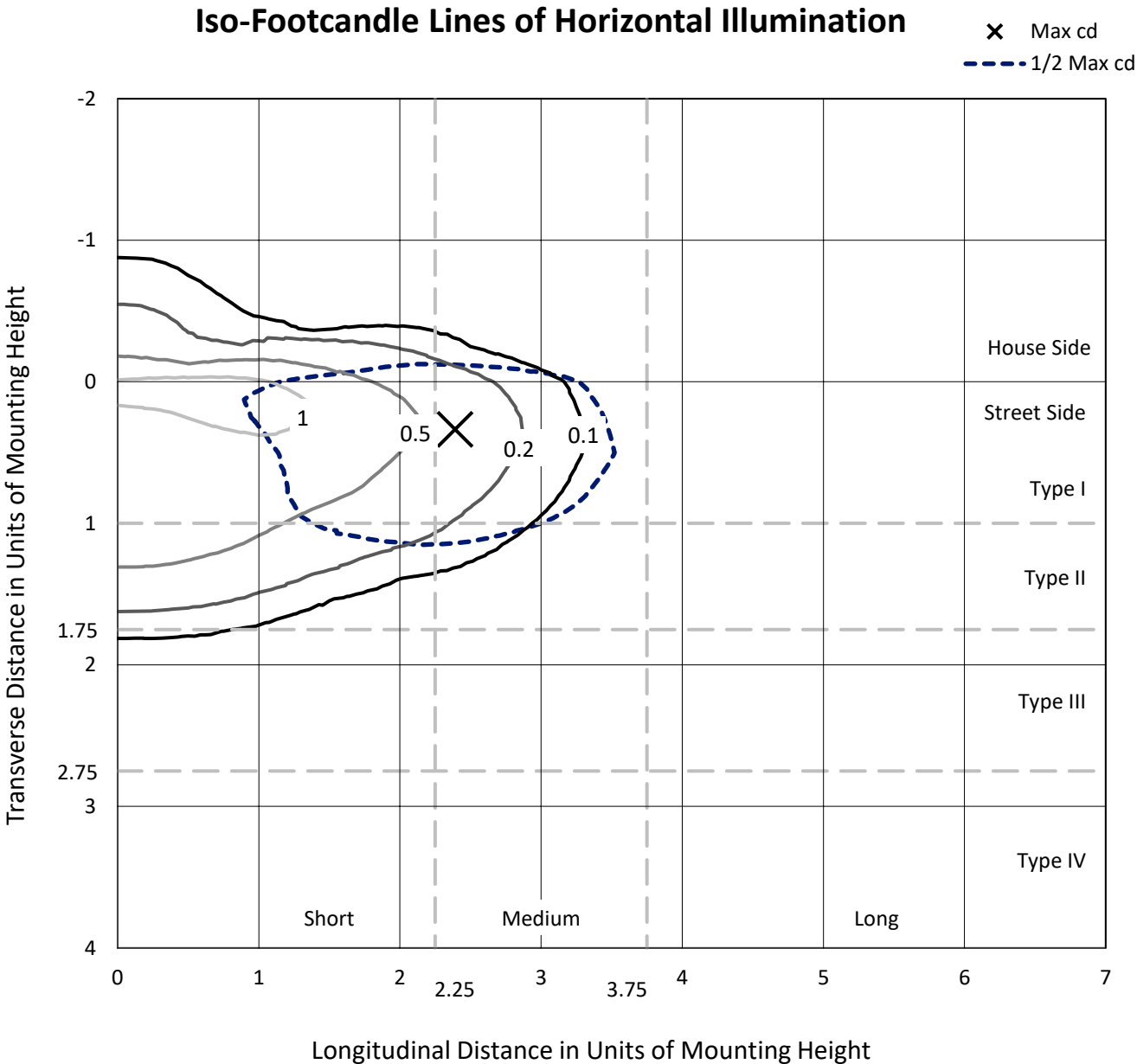
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3964 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.4
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

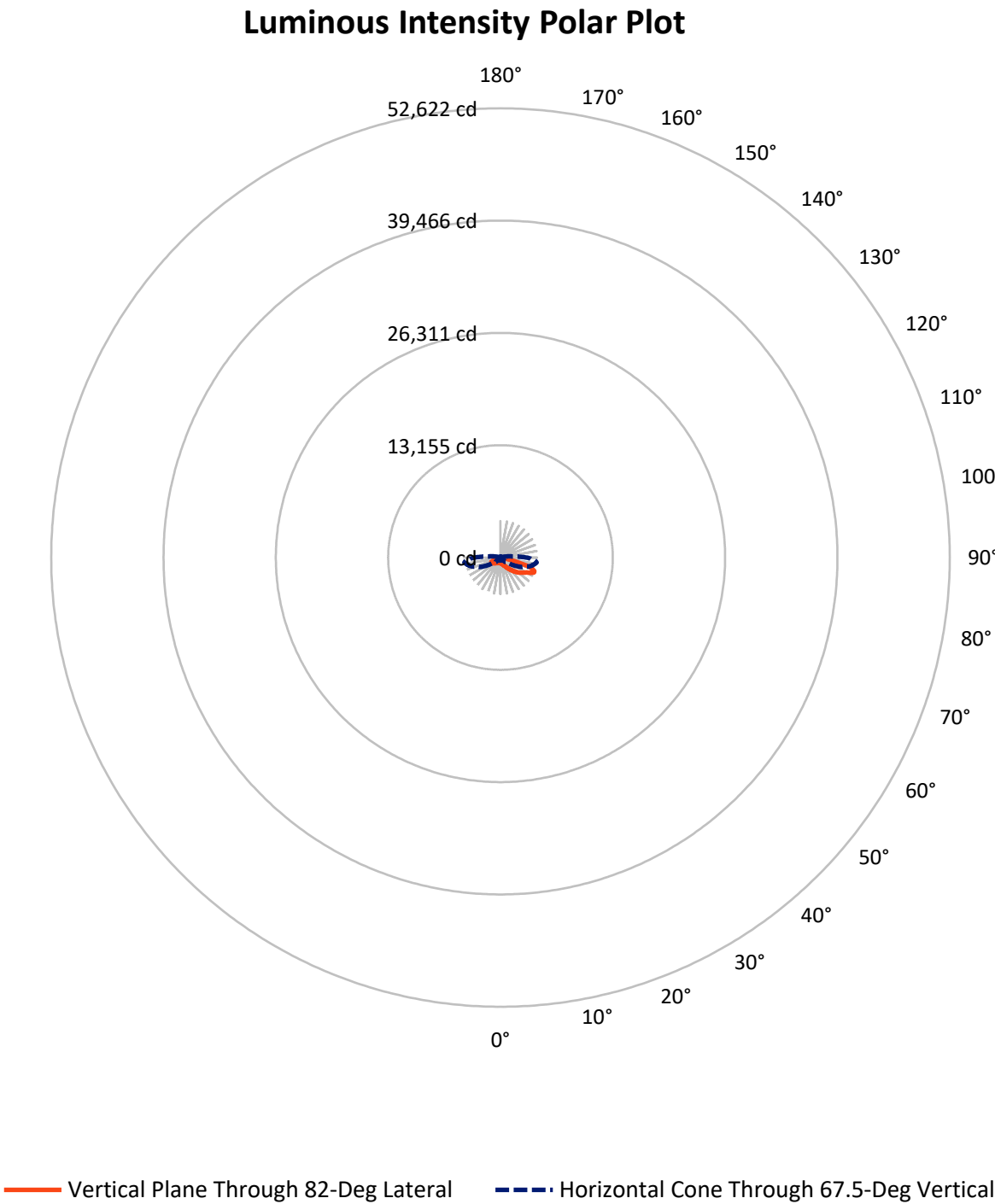


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Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Medium - N/A

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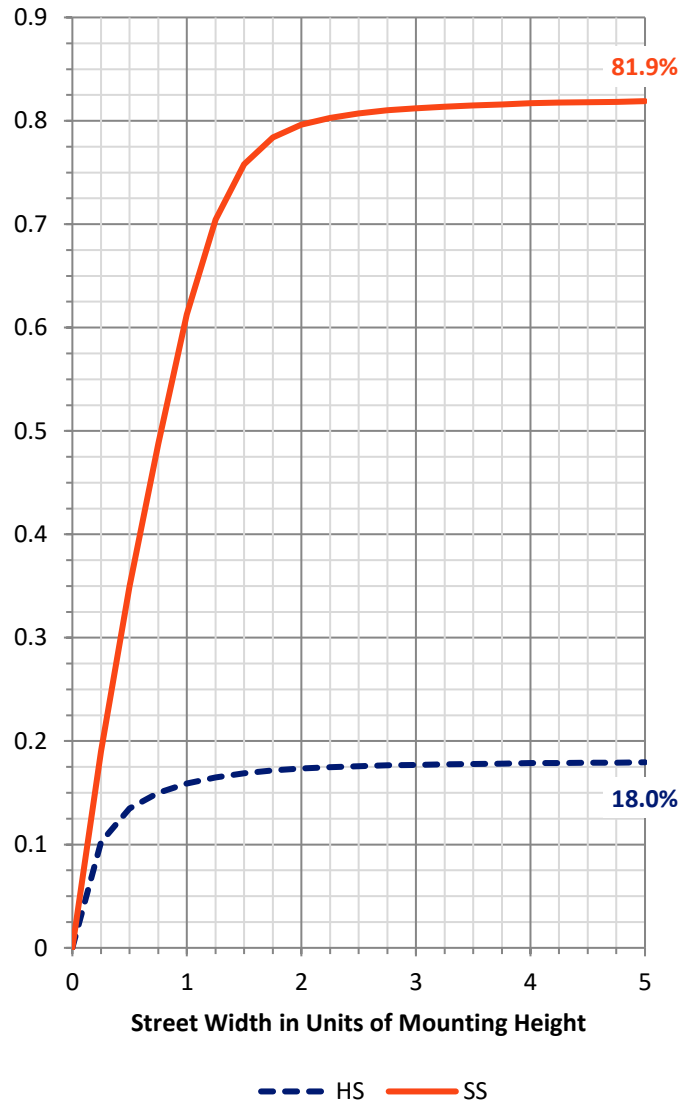
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	718.0	0.0	718.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3246.0	0.0	3246.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	3964.0	0.0	3964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.5
10°-20°	152.0	3.8
20°-30°	243.5	6.1
30°-40°	430.6	10.9
40°-50°	754.5	19.0
50°-60°	1006.2	25.4
60°-70°	936.8	23.6
70°-80°	359.5	9.1
80°-90°	22.3	0.6
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°	3964.0	100.0
0°-180°	3964.0	100.0

Coefficient of Utilization



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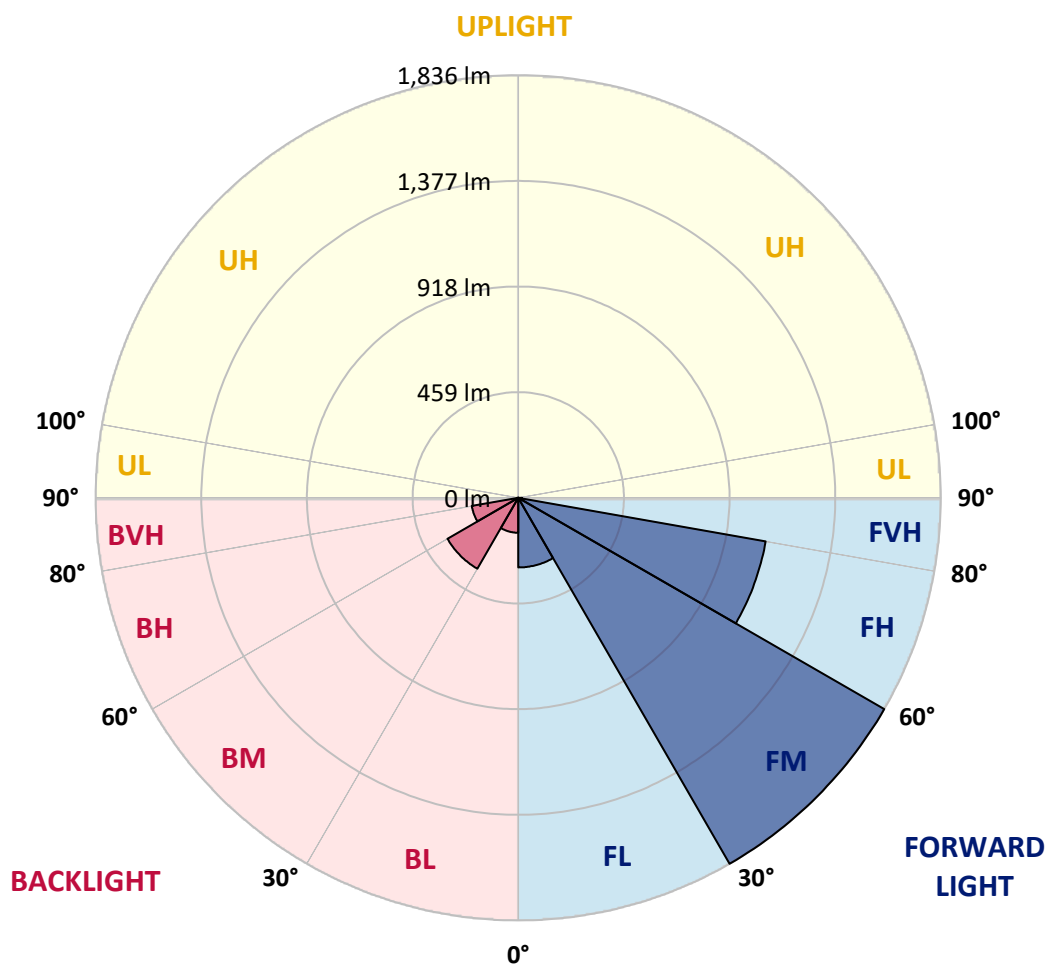
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.4	7.6			
FM	(30°-60°)	1836.0	46.3			
FH	(60°-80°)	1091.4	27.5			G1/1800
FVH	(80°-90°)	16.2	0.4			G1/100
BL	(0°-30°)	151.6	3.8	B1/500		
BM	(30°-60°)	355.4	9.0	B1/1000		
BH	(60°-80°)	204.9	5.2	B1/500		G1/500
BVH	(80°-90°)	6.1	0.2			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7
2.5°	694.1	698.1	695.8	694.7	692.7	689.8	687.5	680.4	673.0	668.1
5°	708.1	712.1	711.8	712.9	714.4	715.2	714.6	706.6	696.1	687.8
7.5°	696.1	700.7	704.4	710.1	720.1	730.6	735.8	734.0	723.2	711.8
10°	662.1	667.0	675.8	689.2	710.4	733.2	752.3	761.2	754.3	741.7
12.5°	599.9	604.8	622.2	651.3	686.7	726.3	762.9	786.6	788.3	775.7
15°	530.0	534.8	553.4	589.9	643.9	707.5	768.6	813.4	828.5	817.7
17.5°	486.6	490.9	504.9	534.3	590.5	669.8	766.6	841.9	876.5	867.9
20°	473.5	477.2	483.7	504.3	551.1	630.7	753.5	868.8	928.1	923.3
22.5°	487.5	490.9	492.9	502.0	531.4	605.0	736.9	896.1	988.0	988.6
25°	519.7	523.1	520.9	526.6	539.4	597.1	730.6	928.4	1063.4	1069.7
27.5°	572.8	573.1	567.7	567.4	569.4	609.0	737.2	962.9	1158.4	1170.1
30°	679.2	675.0	654.1	631.6	621.3	645.0	755.4	1003.7	1270.6	1291.4
32.5°	843.4	837.1	798.8	744.9	690.7	702.9	788.3	1050.3	1392.7	1430.4
35°	1021.4	1019.7	979.8	899.6	804.8	785.4	841.6	1111.3	1526.0	1586.0
37.5°	1187.0	1186.1	1163.3	1068.8	953.5	900.4	927.3	1191.3	1668.7	1755.5
40°	1338.2	1340.8	1318.0	1233.5	1117.3	1048.0	1043.7	1290.0	1827.4	1940.1
42.5°	1468.9	1471.8	1448.7	1386.2	1279.2	1211.2	1186.7	1411.0	1982.4	2138.5
45°	1557.7	1575.4	1572.0	1522.0	1445.3	1374.8	1358.5	1562.8	2159.0	2348.8
47.5°	1582.8	1599.1	1624.8	1631.6	1584.8	1515.5	1534.9	1745.8	2337.7	2559.4
50°	1520.9	1536.0	1589.4	1660.4	1693.0	1671.6	1706.4	1941.8	2520.6	2769.5
52.5°	1398.7	1414.1	1481.5	1593.9	1726.7	1794.0	1878.5	2135.1	2697.9	2968.4
55°	1222.1	1238.3	1324.8	1452.1	1662.4	1844.5	2022.0	2328.0	2860.3	3147.4
57.5°	981.8	993.8	1083.7	1261.7	1500.9	1794.3	2127.9	2538.6	3013.2	3323.2
60°	639.9	650.4	754.9	953.5	1233.2	1626.5	2149.0	2773.5	3216.4	3551.8
62.5°	425.5	432.7	494.6	640.4	868.5	1304.3	2025.5	2961.0	3514.4	3949.6
65°	292.0	299.1	361.0	462.6	561.1	862.8	1670.1	2936.2	3784.4	4265.6
67.5°	208.3	214.3	266.8	362.7	406.1	501.2	1132.2	2618.8	3745.6	4277.5
70°	149.3	152.7	196.1	282.5	322.8	301.1	629.6	2002.9	3279.5	3949.9
72.5°	104.5	105.6	136.1	215.2	260.0	219.8	299.7	1335.4	2480.4	3100.3
75°	70.8	72.2	91.6	157.8	208.6	167.8	158.7	716.1	1456.1	1716.1
77.5°	43.4	44.0	59.1	107.9	156.1	127.9	102.2	303.4	563.4	553.1
80°	24.5	24.5	37.7	67.1	106.5	82.5	71.6	129.0	178.4	156.7
82.5°	13.7	14.0	27.4	41.7	70.5	48.8	39.4	59.6	77.1	68.2
85°	5.7	6.3	16.8	19.7	33.7	24.3	16.0	25.1	28.5	25.4
87.5°	0.6	0.9	5.1	3.7	4.0	4.9	2.3	4.9	4.0	4.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
656.7	0°	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7
666.4	2.5°	661.0	656.7	645.9	633.3	616.7	608.8	597.9	590.5	584.2	584.8
683.0	5°	673.8	663.0	638.7	608.5	570.8	544.0	515.4	495.7	479.8	476.3
705.8	7.5°	691.5	674.4	631.9	577.4	513.7	465.5	422.4	394.7	375.0	368.7
733.5	10°	714.4	689.5	623.0	538.3	446.6	385.3	339.1	317.4	303.9	299.4
766.0	12.5°	740.9	706.9	611.3	490.6	377.6	318.5	289.1	278.3	274.0	272.6
806.0	15°	774.3	728.6	593.6	434.1	319.1	277.7	265.1	263.7	264.3	263.7
853.9	17.5°	814.0	752.3	564.8	375.9	279.7	256.9	252.3	253.4	254.9	254.6
907.6	20°	857.3	775.7	528.0	324.2	252.9	242.0	239.4	240.6	241.7	241.2
969.5	22.5°	906.7	800.8	487.2	284.0	234.9	228.3	225.5	225.7	225.7	224.6
1048.0	25°	965.8	828.5	444.4	255.4	221.2	216.0	212.6	211.5	209.8	206.3
1143.3	27.5°	1036.3	857.9	403.3	235.5	210.3	205.5	201.5	198.6	194.4	188.6
1257.7	30°	1115.6	893.6	368.4	222.9	201.8	196.9	192.4	188.1	181.8	174.7
1389.3	32.5°	1208.9	931.8	343.0	214.6	194.1	188.9	183.5	178.4	171.5	164.4
1537.2	35°	1320.3	978.1	328.2	208.9	188.1	181.2	175.2	169.5	164.4	158.1
1697.8	37.5°	1441.0	1027.1	323.6	206.1	184.1	173.5	166.7	162.7	162.1	158.4
1871.6	40°	1573.1	1085.4	327.1	204.3	179.8	166.1	158.7	157.8	159.3	152.7
2057.4	42.5°	1713.0	1154.4	332.8	202.3	173.8	158.7	151.5	151.5	150.4	141.3
2253.8	45°	1864.2	1234.1	338.5	197.5	166.7	151.3	145.8	143.8	139.0	130.1
2451.3	47.5°	2016.6	1315.1	342.8	188.6	158.1	145.0	140.1	135.6	128.4	120.4
2645.1	50°	2161.3	1387.9	338.2	175.5	148.4	139.0	133.9	127.6	119.9	114.4
2828.6	52.5°	2290.6	1451.0	318.8	160.1	138.1	132.7	128.1	121.6	115.3	109.6
2994.1	55°	2403.1	1502.0	284.5	145.6	129.0	127.3	122.7	114.4	105.9	101.0
3158.2	57.5°	2510.9	1540.9	241.7	133.6	120.7	121.3	114.4	107.0	99.0	93.9
3379.4	60°	2654.5	1592.8	198.4	122.4	111.9	113.6	106.2	100.7	90.8	84.2
3758.7	62.5°	2883.9	1673.6	157.5	108.7	101.6	102.2	99.0	92.5	80.5	72.8
4039.8	65°	3066.0	1643.9	124.1	93.9	89.9	90.8	90.8	83.6	70.8	61.9
4054.9	67.5°	3045.5	1407.6	99.0	79.3	78.8	79.3	81.3	75.3	62.8	55.7
3746.1	70°	2805.5	1119.6	79.3	65.9	68.5	67.1	72.8	68.8	56.5	49.4
2904.2	72.5°	2289.2	806.5	60.5	54.5	52.5	54.8	65.6	61.9	47.1	39.1
1538.3	75°	1337.7	430.4	45.1	43.1	38.0	45.7	58.2	52.8	36.0	28.8
471.5	77.5°	435.5	150.1	33.1	31.7	28.3	36.8	49.7	44.5	29.4	22.8
138.1	80°	116.7	45.4	22.5	20.8	18.3	27.4	39.4	35.4	21.1	14.8
59.4	82.5°	46.8	19.1	13.1	11.7	10.0	18.8	31.1	28.5	15.7	9.4
18.6	85°	15.1	6.3	4.9	3.7	4.6	11.7	18.6	19.4	11.1	4.9
2.9	87.5°	2.0	0.9	0.9	1.1	0.9	2.0	5.7	5.4	3.1	0.6
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°
656.7
579.1
468.6
362.5
296.0
271.7
263.4
254.0
240.9
224.0
205.8
188.1
174.1
164.7
157.5
158.1
153.0
141.3
129.9
120.2
113.6
109.0
100.5
93.3
83.3
72.2
61.1
54.5
48.5
38.2
28.0
22.0
14.6
9.4
3.7
0.0
0.0