

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: P945709

Luminaire Tested: **GLAN-SB1C-827-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-827-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6688 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

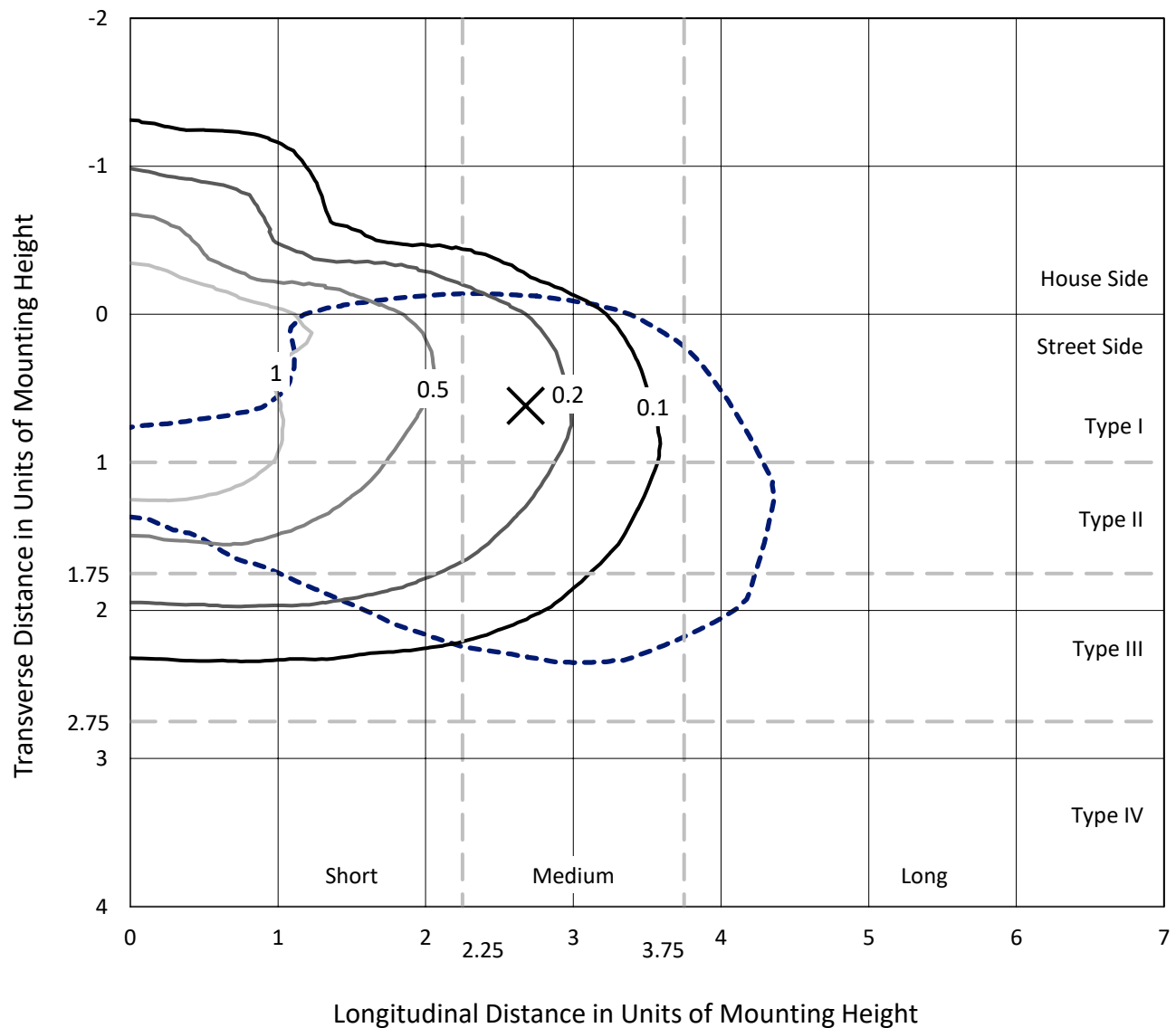
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

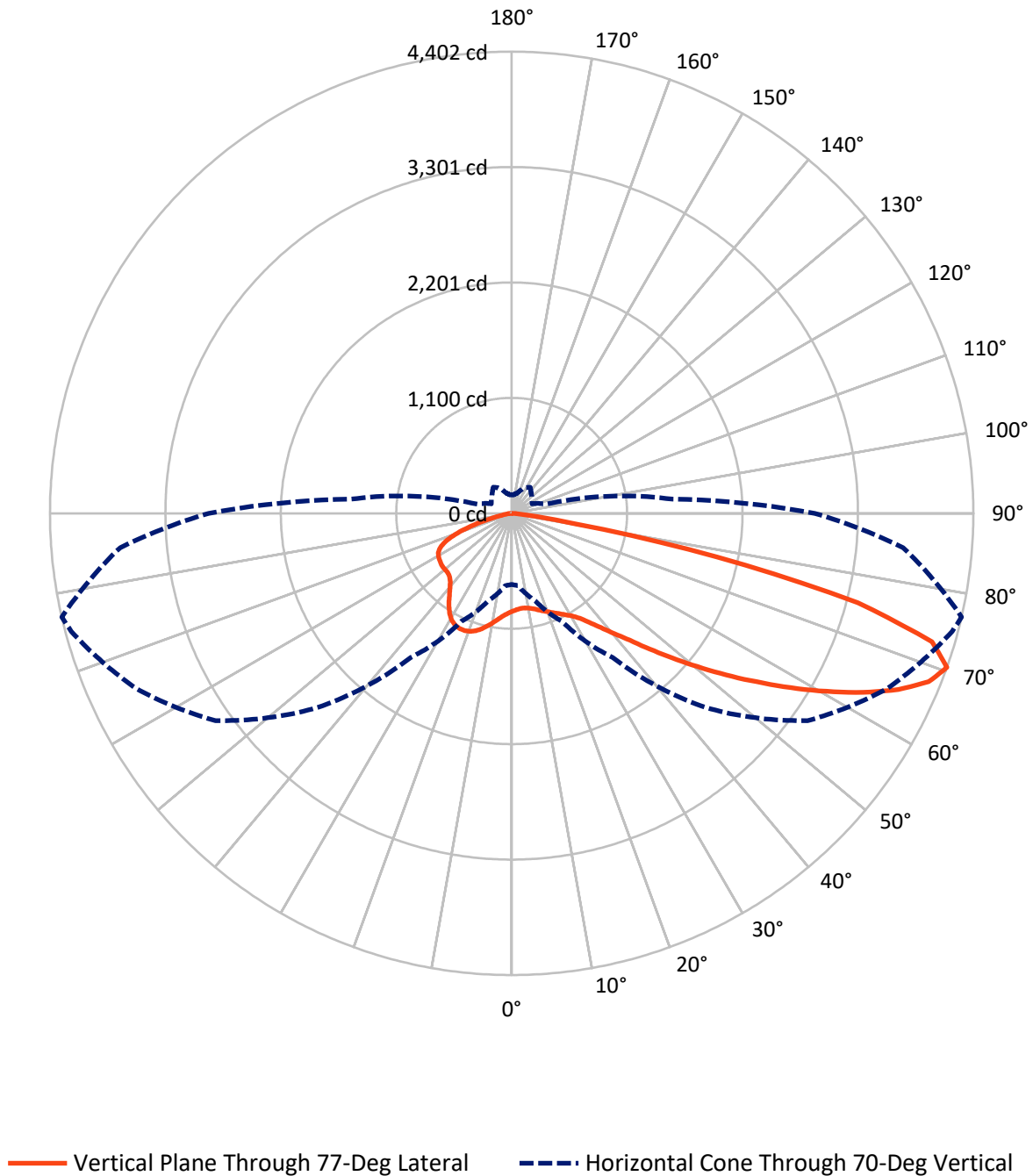
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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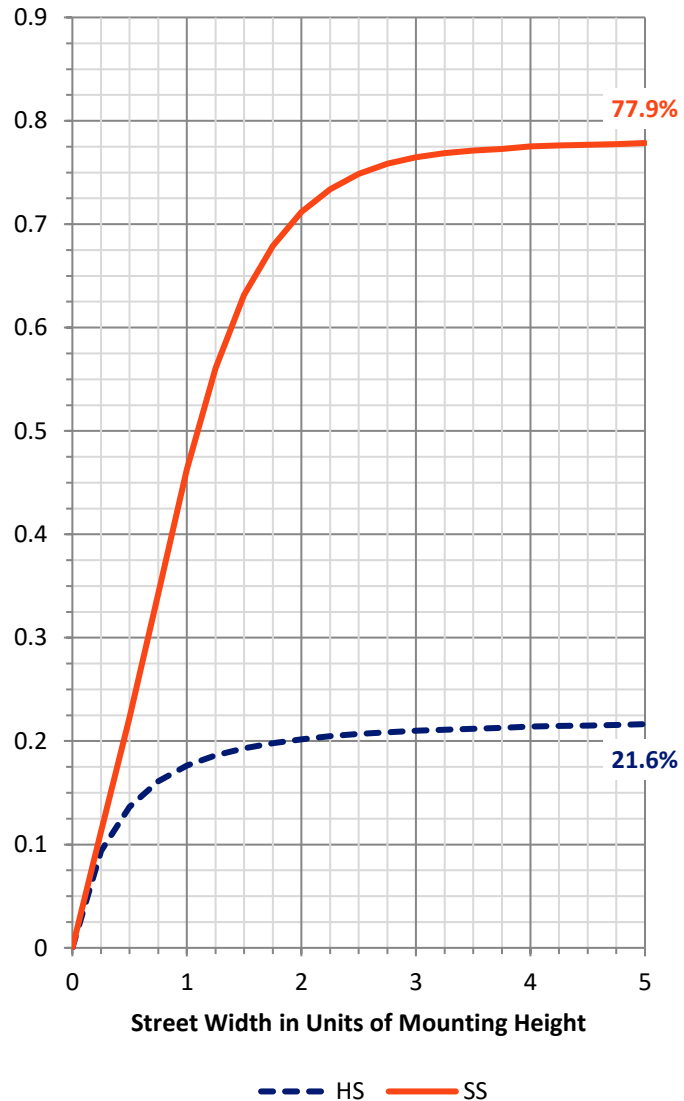
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1464.6	0.0	1464.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	5223.4	0.0	5223.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	6688.0	0.0	6688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.3
10°-20°	256.8	3.8
20°-30°	439.2	6.6
30°-40°	706.3	10.6
40°-50°	1102.7	16.5
50°-60°	1472.9	22.0
60°-70°	1569.9	23.5
70°-80°	966.4	14.5
80°-90°	84.7	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°	6688.0	100.0
0°-180°	6688.0	100.0

Coefficient of Utilization



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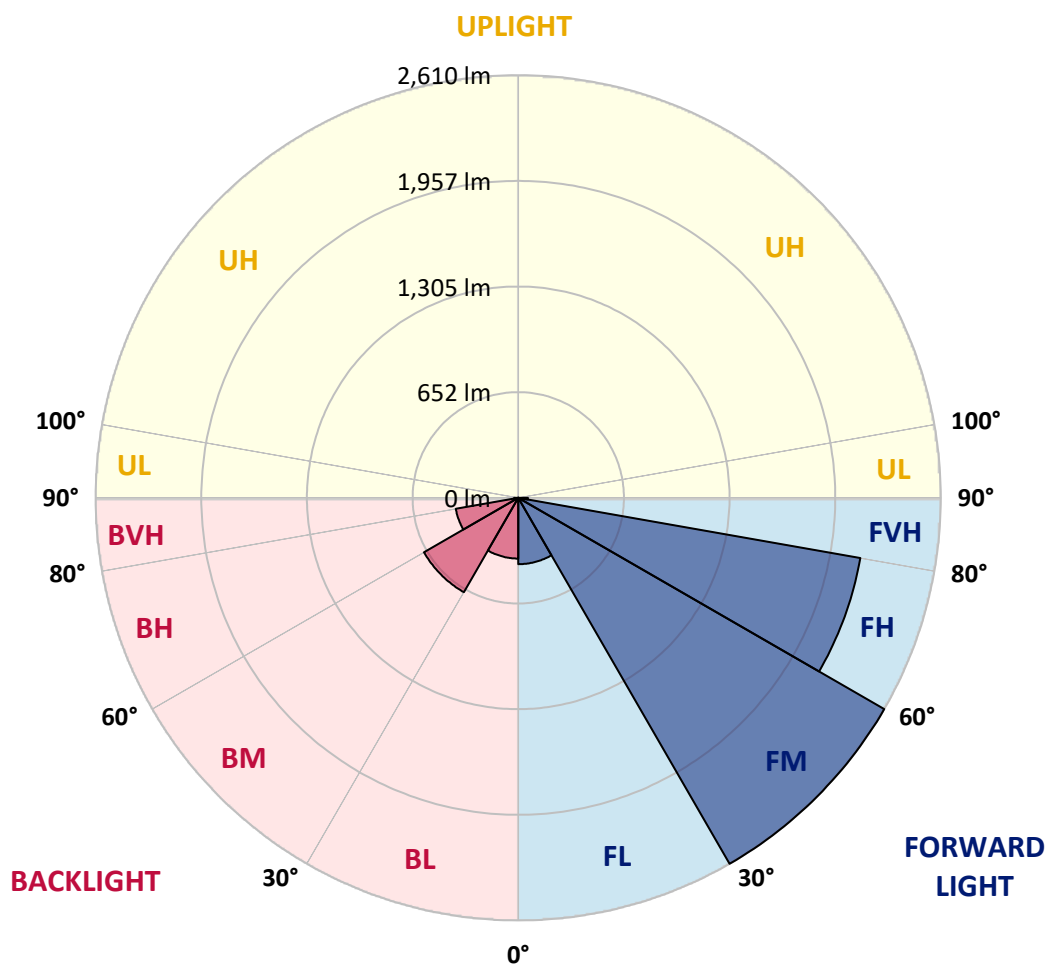
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.8	6.1			
FM	(30°-60°)	2609.5	39.0			
FH	(60°-80°)	2145.0	32.1			G2/5000
FVH	(80°-90°)	59.2	0.9			G1/100
BL	(0°-30°)	375.3	5.6	B1/500		
BM	(30°-60°)	672.4	10.1	B1/1000		
BH	(60°-80°)	391.4	5.9	B1/500		G1/500
BVH	(80°-90°)	25.5	0.4			G1/100
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°	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0
2.5°	860.1	859.7	864.2	865.6	873.8	879.6	890.6	902.2	917.3	919.0
5°	810.4	810.4	815.6	821.0	831.6	843.3	860.1	880.3	906.3	910.4
7.5°	768.3	771.0	775.5	786.1	798.4	815.2	840.9	869.7	903.9	910.4
10°	734.4	737.5	742.9	751.5	770.0	793.3	826.9	863.8	909.7	920.0
12.5°	723.8	726.8	729.9	736.4	753.6	781.0	821.0	866.6	923.8	934.1
15°	748.4	752.2	749.8	748.1	757.0	782.0	823.8	876.5	941.3	956.0
17.5°	805.3	806.6	801.2	785.1	783.7	797.1	836.8	890.2	963.2	979.3
20°	897.1	894.7	883.4	851.5	833.4	830.6	859.1	910.8	985.8	1002.9
22.5°	1021.8	1019.0	996.4	946.1	905.6	878.9	891.2	937.5	1011.1	1030.3
25°	1177.3	1173.5	1140.3	1071.8	1009.1	943.0	935.1	972.8	1042.3	1060.1
27.5°	1358.8	1355.7	1319.7	1229.3	1138.9	1030.7	989.6	1014.2	1074.8	1095.1
30°	1554.0	1562.9	1499.2	1402.0	1287.5	1145.1	1062.9	1065.3	1117.0	1135.1
32.5°	1783.5	1798.9	1722.2	1598.9	1442.7	1269.4	1155.3	1136.5	1178.3	1193.4
35°	2011.0	2028.4	1964.7	1828.4	1648.6	1416.0	1251.9	1218.4	1259.8	1276.2
37.5°	2207.6	2230.9	2198.0	2079.5	1868.8	1592.7	1378.0	1314.6	1360.2	1380.7
40°	2362.7	2398.4	2396.0	2322.0	2128.4	1807.2	1537.9	1433.5	1484.8	1507.1
42.5°	2488.8	2519.6	2546.3	2542.6	2399.4	2050.7	1726.0	1587.9	1627.0	1652.7
45°	2575.8	2608.7	2666.2	2728.2	2660.0	2311.4	1941.4	1771.2	1806.8	1845.5
47.5°	2653.5	2690.9	2765.5	2863.8	2881.3	2573.0	2177.4	1984.6	2017.1	2057.2
50°	2660.4	2692.6	2808.4	2947.8	3038.5	2824.5	2430.9	2224.0	2254.5	2297.3
52.5°	2494.9	2545.6	2747.7	2945.4	3110.8	3034.8	2682.7	2473.0	2507.3	2558.7
55°	1936.6	2011.0	2570.0	2853.6	3085.1	3170.8	2922.1	2737.8	2781.6	2835.4
57.5°	1668.1	1700.6	2040.1	2686.4	2968.0	3206.0	3124.2	3005.3	3075.9	3134.8
60°	1499.2	1526.3	1727.0	2426.4	2813.8	3150.2	3280.4	3254.7	3376.6	3446.8
62.5°	1318.4	1344.1	1526.6	2026.0	2616.5	3057.4	3379.0	3484.8	3684.9	3761.6
65°	1138.9	1160.8	1335.8	1702.3	2365.8	2964.6	3430.0	3683.9	3970.2	4049.7
67.5°	938.9	957.0	1122.5	1436.2	2061.0	2837.5	3455.4	3840.4	4218.5	4286.7
70°	677.5	691.6	862.5	1135.8	1678.4	2618.9	3445.1	3951.4	4347.3	4401.8
72.5°	320.3	332.9	533.7	737.5	1185.5	2193.5	3237.2	3863.3	4216.5	4189.4
75°	170.9	181.9	306.6	404.5	626.1	1503.7	2649.1	3328.0	3540.7	3409.1
77.5°	115.8	124.3	189.8	242.8	286.0	713.8	1702.7	2304.2	2216.8	1999.7
80°	91.8	100.7	155.5	164.4	138.4	257.9	703.5	1066.6	766.2	612.8
82.5°	70.6	80.5	130.8	119.2	75.4	105.8	204.8	337.4	196.3	149.3
85°	43.2	53.8	102.8	76.0	42.5	48.3	69.5	93.9	59.9	50.0
87.5°	21.9	30.8	52.1	27.7	19.2	11.3	18.5	18.5	15.8	13.7
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°
933.0	0°	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0
928.2	2.5°	936.5	943.3	955.0	965.9	974.5	982.7	990.9	995.4	996.7	1002.2
933.4	5°	947.4	960.1	982.7	1003.9	1017.3	1025.5	1031.3	1034.8	1035.5	1037.2
947.4	7.5°	967.6	987.8	1019.4	1040.6	1050.5	1049.8	1047.4	1038.9	1035.5	1032.4
968.0	10°	996.1	1022.8	1061.5	1076.2	1070.0	1053.6	1032.4	1007.4	995.7	984.4
996.1	12.5°	1031.3	1065.3	1103.3	1102.6	1072.1	1030.0	980.6	942.3	918.0	900.5
1030.7	15°	1074.2	1113.2	1142.3	1119.0	1052.2	976.5	904.3	854.3	832.3	813.2
1065.6	17.5°	1118.3	1160.1	1173.5	1113.9	1002.2	897.4	815.6	776.2	754.6	744.3
1103.3	20°	1161.5	1202.9	1192.0	1084.4	926.2	807.7	734.7	713.1	708.7	711.1
1139.9	22.5°	1207.1	1244.0	1195.8	1027.6	829.3	715.9	675.8	676.5	686.4	693.6
1178.3	25°	1253.6	1278.6	1185.8	945.4	725.1	648.4	638.5	649.4	669.0	683.0
1221.4	27.5°	1298.5	1309.5	1164.2	843.6	635.7	600.1	601.8	624.4	653.9	673.4
1273.8	30°	1349.2	1336.9	1122.8	729.2	573.7	558.7	573.0	599.4	628.9	646.3
1340.0	32.5°	1406.4	1360.5	1057.0	623.4	529.9	525.4	549.1	566.2	579.2	584.3
1427.6	35°	1477.7	1393.7	972.8	549.1	490.5	501.1	523.7	515.2	510.0	507.3
1545.5	37.5°	1570.1	1438.6	874.1	500.8	458.6	483.6	492.9	466.2	446.0	436.0
1688.3	40°	1681.5	1504.4	779.2	463.4	438.4	468.6	452.5	420.3	394.6	380.5
1848.9	42.5°	1805.1	1573.2	699.4	435.3	427.1	456.2	422.7	384.3	342.9	338.4
2040.4	45°	1934.9	1644.1	645.0	413.8	421.6	445.6	405.5	343.6	314.1	332.2
2232.6	47.5°	2064.7	1709.2	612.1	397.7	418.9	433.6	390.5	320.9	300.1	326.4
2438.4	50°	2209.3	1767.4	597.4	386.0	415.8	428.8	367.9	315.1	285.3	302.8
2651.5	52.5°	2352.8	1812.6	586.4	374.4	411.4	425.1	356.9	308.3	267.5	268.5
2865.9	55°	2496.0	1842.1	574.4	359.0	401.4	416.9	355.9	300.7	254.2	249.4
3092.7	57.5°	2648.7	1858.9	559.7	341.8	384.3	396.0	354.9	294.9	250.0	242.2
3324.5	60°	2804.2	1883.5	540.5	320.9	361.4	371.0	352.5	292.9	247.6	234.3
3543.1	62.5°	2943.7	1892.1	517.6	301.1	331.9	346.3	347.3	291.1	241.1	218.2
3724.6	65°	3035.1	1855.1	477.5	278.5	300.1	320.9	337.4	285.3	229.5	206.5
3814.4	67.5°	3031.3	1749.6	414.8	249.4	269.2	292.9	323.0	275.4	215.4	192.2
3746.5	70°	2890.2	1541.4	335.3	215.4	235.3	262.7	304.5	260.7	198.7	176.4
3331.4	72.5°	2478.9	1206.4	243.5	175.7	195.9	231.5	280.5	242.8	181.5	162.4
2462.1	75°	1770.9	763.5	165.1	135.0	152.4	196.3	250.7	222.0	165.8	163.0
1233.1	77.5°	904.6	364.8	109.3	98.6	106.2	154.8	210.7	198.3	168.2	134.6
350.7	80°	294.2	134.6	68.8	67.1	70.6	103.1	163.0	162.7	127.4	91.5
84.9	82.5°	93.9	57.9	44.9	43.2	41.4	64.7	113.7	128.8	86.0	57.9
30.5	85°	37.3	34.6	26.4	24.3	17.5	30.5	59.6	85.6	64.1	41.8
7.9	87.5°	13.7	13.7	7.2	5.1	3.8	10.3	16.1	25.7	36.7	21.6
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°
933.0
1005.3
1039.9
1033.1
981.0
896.4
811.1
747.4
710.1
695.3
686.8
678.2
650.5
587.1
510.0
438.4
381.6
342.9
341.8
338.8
315.8
275.7
252.8
243.2
235.3
218.2
206.5
193.2
178.5
161.3
153.8
119.9
80.8
57.5
42.8
21.2
0.0