

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: P945337

Luminaire Tested: **GLAN-SB1B-827-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-827-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

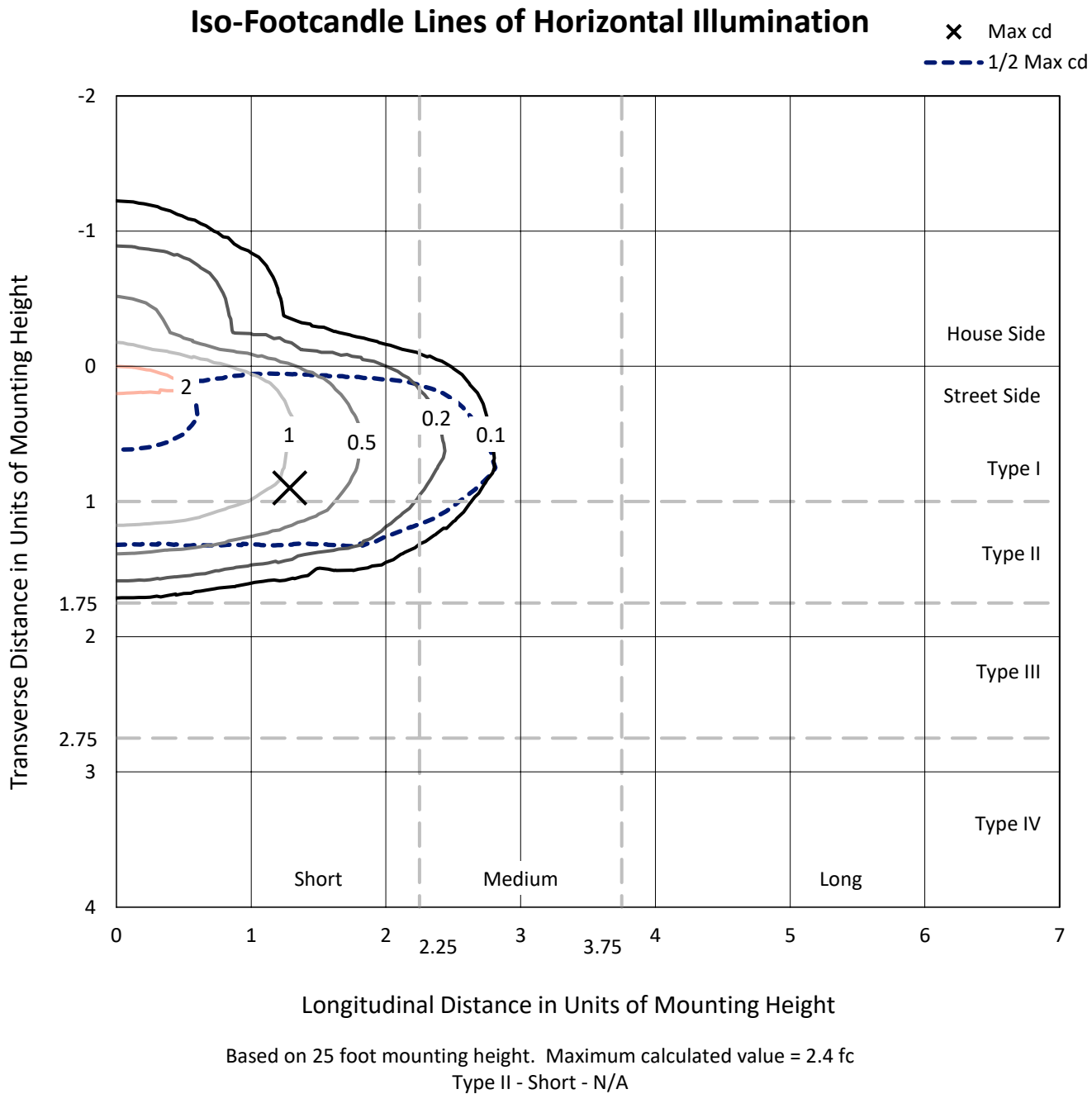
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4982 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8
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

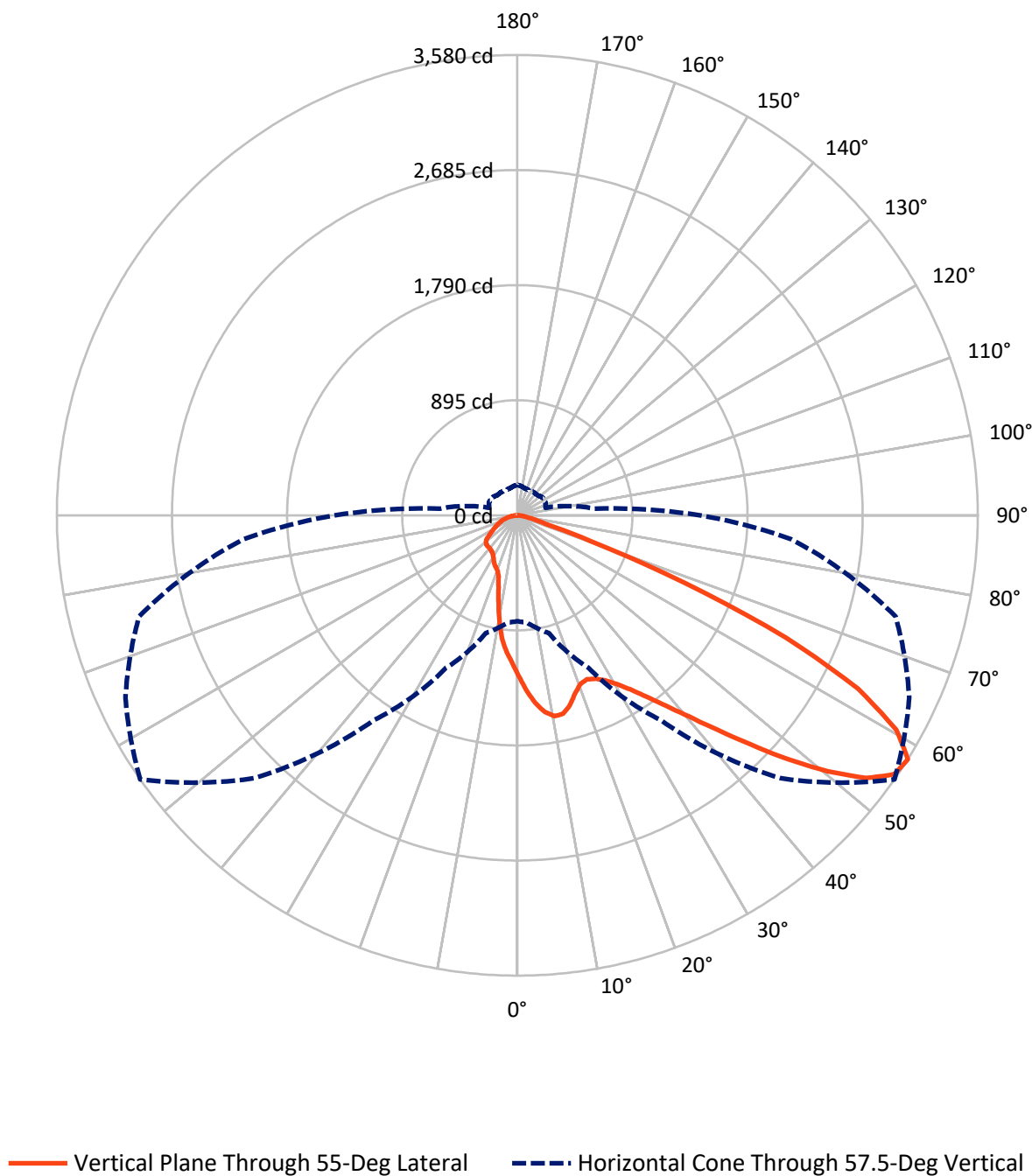


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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	901.5	0.0	901.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4080.5	0.0	4080.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	4982.0	0.0	4982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	2.3
10°-20°	292.4	5.9
20°-30°	466.6	9.4
30°-40°	738.7	14.8
40°-50°	1130.6	22.7
50°-60°	1211.0	24.3
60°-70°	761.8	15.3
70°-80°	225.3	4.5
80°-90°	39.8	0.8
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°	4982.0	100.0
0°-180°	4982.0	100.0

Coefficient of Utilization



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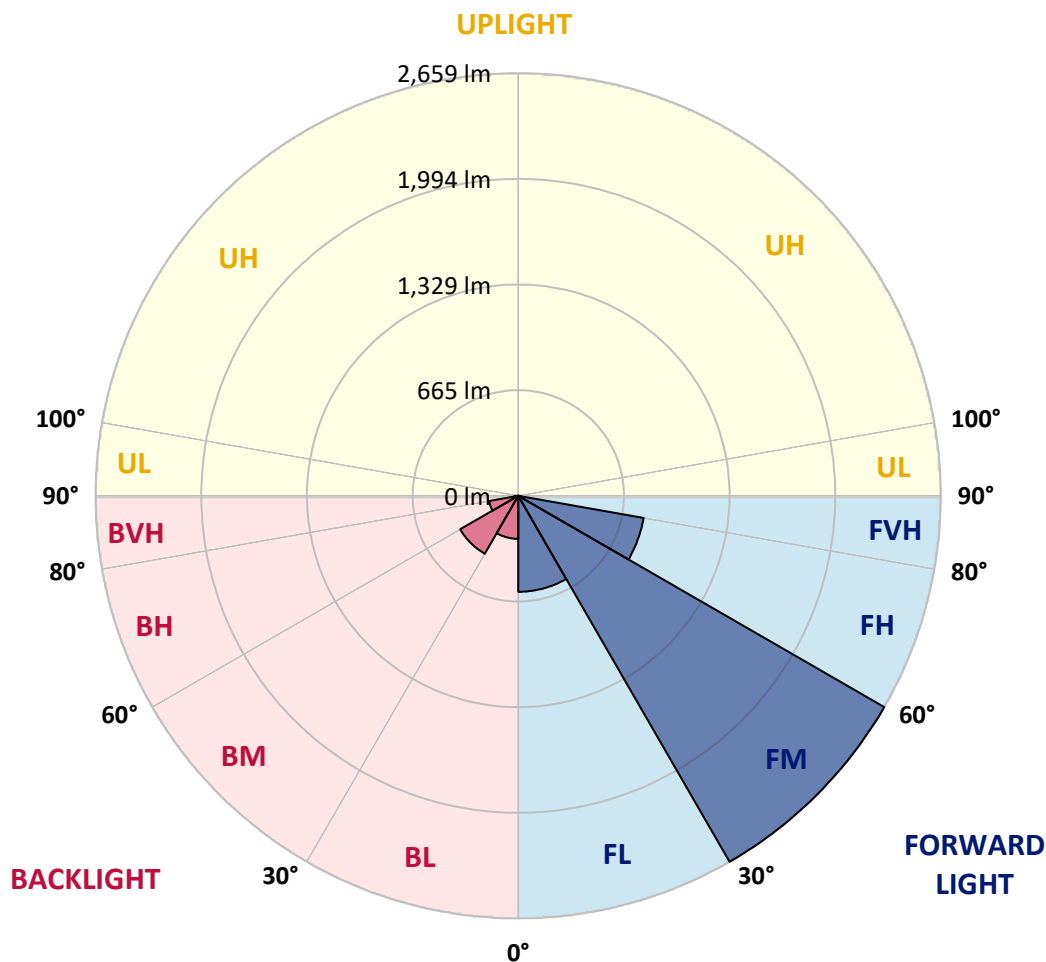
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	603.8	12.1			
FM	(30°-60°)	2658.9	53.4			
FH	(60°-80°)	801.0	16.1			G1/1800
FVH	(80°-90°)	16.8	0.3			G1/100
BL	(0°-30°)	271.0	5.4	B1/500		
BM	(30°-60°)	421.3	8.5	B1/1000		
BH	(60°-80°)	186.2	3.7	B1/500		G1/500
BVH	(80°-90°)	23.0	0.5			G1/100
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3
2.5°	1432.2	1431.2	1436.9	1417.5	1404.4	1386.6	1363.2	1333.3	1301.1	1267.1
5°	1561.2	1552.2	1558.2	1543.7	1529.3	1502.5	1467.8	1419.1	1359.6	1291.9
7.5°	1540.9	1534.7	1549.9	1562.8	1573.6	1570.3	1544.8	1493.8	1417.0	1318.6
10°	1376.8	1369.9	1391.3	1435.8	1501.2	1558.2	1589.1	1557.4	1475.7	1348.0
12.5°	1232.1	1228.8	1242.9	1279.0	1351.6	1460.8	1583.4	1613.0	1536.8	1382.8
15°	1170.3	1166.2	1175.2	1193.5	1239.8	1341.6	1531.9	1651.1	1596.8	1422.9
17.5°	1156.6	1152.0	1155.9	1165.4	1195.3	1272.8	1454.1	1669.9	1659.4	1467.8
20°	1181.9	1178.0	1178.5	1178.0	1198.9	1260.4	1400.0	1662.7	1714.0	1509.0
22.5°	1242.9	1236.5	1236.7	1223.1	1234.4	1282.1	1385.9	1643.4	1762.6	1545.0
25°	1342.3	1330.7	1333.1	1298.3	1295.2	1330.5	1408.0	1628.5	1811.1	1573.9
27.5°	1478.3	1465.2	1458.2	1406.5	1381.7	1399.2	1453.1	1633.6	1856.9	1598.8
30°	1648.3	1632.3	1618.2	1544.8	1500.0	1493.5	1523.1	1667.6	1911.0	1625.1
32.5°	1856.7	1838.1	1812.4	1715.0	1651.9	1618.2	1613.8	1728.1	1974.4	1658.6
35°	2104.7	2080.5	2043.9	1917.9	1838.1	1769.1	1733.3	1815.4	2061.1	1709.1
37.5°	2360.2	2332.9	2299.4	2149.5	2051.4	1949.6	1879.1	1933.9	2176.8	1777.6
40°	2595.8	2565.2	2534.0	2400.6	2295.3	2172.7	2057.5	2083.8	2318.2	1859.5
42.5°	2734.9	2712.2	2700.4	2628.3	2546.9	2422.5	2279.5	2261.5	2477.1	1953.7
45°	2728.7	2719.4	2756.0	2785.9	2766.6	2697.5	2539.7	2458.0	2636.5	2035.4
47.5°	2582.9	2589.1	2670.8	2838.7	2912.6	2948.6	2835.8	2650.9	2775.1	2096.4
50°	2186.3	2191.5	2380.5	2742.6	2950.2	3153.4	3129.7	2839.2	2882.5	2133.8
52.5°	1872.4	1875.7	1956.8	2457.8	2826.1	3256.4	3394.5	3016.6	2961.0	2144.1
55°	1410.3	1421.9	1512.8	1928.3	2503.1	3174.8	3555.7	3199.5	3010.7	2145.1
57.5°	823.9	836.5	948.8	1308.9	1945.5	2890.2	3580.2	3361.8	3044.5	2136.9
60°	403.6	409.0	457.9	687.9	1199.7	2341.9	3383.4	3440.3	3063.3	2132.5
62.5°	272.0	271.2	273.3	339.4	591.1	1504.6	2973.4	3302.8	3053.2	2115.7
65°	233.9	231.0	223.3	238.2	306.2	688.2	2297.3	2892.2	2976.7	2073.8
67.5°	202.2	202.4	202.7	198.1	218.7	317.6	1403.9	2278.3	2702.2	1874.9
70°	167.4	169.7	170.8	170.8	178.2	208.4	599.3	1561.5	2131.5	1470.1
72.5°	152.5	147.6	148.1	145.5	145.5	158.6	241.3	885.2	1342.8	827.0
75°	124.4	127.5	128.0	126.2	120.3	121.0	143.2	371.4	574.6	343.1
77.5°	107.4	107.4	108.4	107.1	102.5	90.7	95.5	144.0	195.5	140.6
80°	86.3	86.0	90.4	93.0	85.8	67.0	61.0	79.6	86.8	61.8
82.5°	42.0	44.6	62.1	70.8	65.2	48.4	37.3	49.4	46.4	27.3
85°	24.5	23.2	27.8	39.4	37.3	26.8	18.0	25.8	24.2	13.9
87.5°	7.7	7.2	5.7	13.4	10.8	7.5	4.9	7.5	6.7	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1248.3	0°	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3
1252.4	2.5°	1234.2	1203.8	1173.6	1146.1	1129.3	1118.5	1107.7	1095.6	1091.0	1084.0
1255.8	5°	1221.8	1163.1	1110.8	1065.7	1024.8	992.6	960.1	933.9	922.0	930.0
1266.4	7.5°	1214.6	1129.6	1049.0	966.3	886.7	823.1	767.7	728.9	711.3	715.7
1276.7	10°	1208.2	1091.7	968.9	838.3	724.0	645.2	588.5	558.9	547.8	550.1
1290.6	12.5°	1202.2	1049.2	872.3	700.5	579.0	526.9	510.7	511.0	513.0	514.6
1312.7	15°	1201.2	998.0	764.4	580.0	500.7	497.3	514.8	525.9	531.8	533.6
1331.3	17.5°	1199.7	936.7	654.4	497.8	481.6	504.3	520.5	527.7	532.3	532.6
1349.3	20°	1193.5	858.9	553.0	458.7	477.5	497.1	507.1	512.8	516.6	517.9
1362.9	22.5°	1174.4	772.4	473.9	441.2	461.0	476.7	488.6	495.0	497.3	498.9
1365.5	25°	1140.2	675.5	419.3	424.4	438.1	457.9	467.4	468.7	468.0	470.3
1359.1	27.5°	1095.3	571.8	385.3	401.8	419.3	436.3	441.4	440.7	439.1	441.7
1348.0	30°	1041.3	478.5	363.7	376.3	400.2	415.7	420.3	418.5	415.4	418.3
1342.3	32.5°	984.1	402.3	345.9	358.5	384.5	399.7	404.3	402.5	400.2	402.5
1348.8	35°	930.8	349.0	329.4	346.7	372.2	387.1	393.0	393.3	393.3	396.1
1365.8	37.5°	881.8	317.8	315.8	339.2	363.7	377.0	385.5	386.1	375.0	375.8
1394.6	40°	836.5	304.7	309.6	334.3	355.4	368.3	368.8	340.0	319.6	319.1
1427.6	42.5°	799.4	302.1	311.4	333.8	349.5	350.0	313.7	291.3	285.6	285.9
1458.0	45°	764.7	301.3	315.5	333.8	340.7	302.4	277.9	272.0	272.5	274.5
1471.6	47.5°	725.8	298.2	316.3	329.1	315.5	268.9	261.7	259.1	258.1	258.6
1468.5	50°	683.3	287.2	306.5	319.9	272.2	254.5	245.4	244.7	246.0	246.7
1451.3	52.5°	638.5	269.1	289.7	303.1	252.4	241.8	231.8	233.6	239.3	241.1
1433.2	55°	609.1	248.0	267.6	269.7	238.5	230.0	221.5	225.6	236.2	239.5
1422.4	57.5°	601.4	225.6	242.4	240.0	220.7	219.7	214.5	218.1	231.5	236.4
1421.9	60°	599.1	205.5	217.6	215.8	203.5	208.4	207.1	208.9	213.5	215.1
1416.8	62.5°	581.0	189.6	195.5	192.9	188.0	196.5	199.6	195.7	199.3	201.1
1381.5	65°	535.2	176.7	173.8	172.0	174.1	181.8	188.0	180.3	183.6	188.8
1245.5	67.5°	459.5	159.2	151.4	153.5	159.9	164.1	172.0	163.3	166.1	174.9
1003.1	70°	371.6	137.0	130.1	136.0	142.2	150.7	152.0	146.0	152.7	162.5
612.2	72.5°	263.0	114.6	109.7	121.8	123.9	135.0	132.1	129.3	138.6	141.9
302.6	75°	182.3	92.5	89.6	98.9	106.4	115.9	113.8	117.2	136.8	138.3
151.2	77.5°	115.4	71.9	70.1	76.0	86.3	96.8	100.2	138.3	233.6	242.9
78.6	80°	67.0	53.6	51.5	56.1	65.2	74.9	96.6	169.7	154.0	152.2
35.3	82.5°	37.3	36.8	34.3	35.5	43.5	54.1	136.5	119.5	97.1	100.2
14.2	85°	17.5	21.6	18.5	17.8	24.5	63.4	91.2	68.2	45.3	44.3
3.1	87.5°	4.6	4.1	4.1	4.6	10.3	54.6	36.3	29.1	17.3	16.7
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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