

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: P847178

Luminaire Tested: **GLAN-SB3A-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8673 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

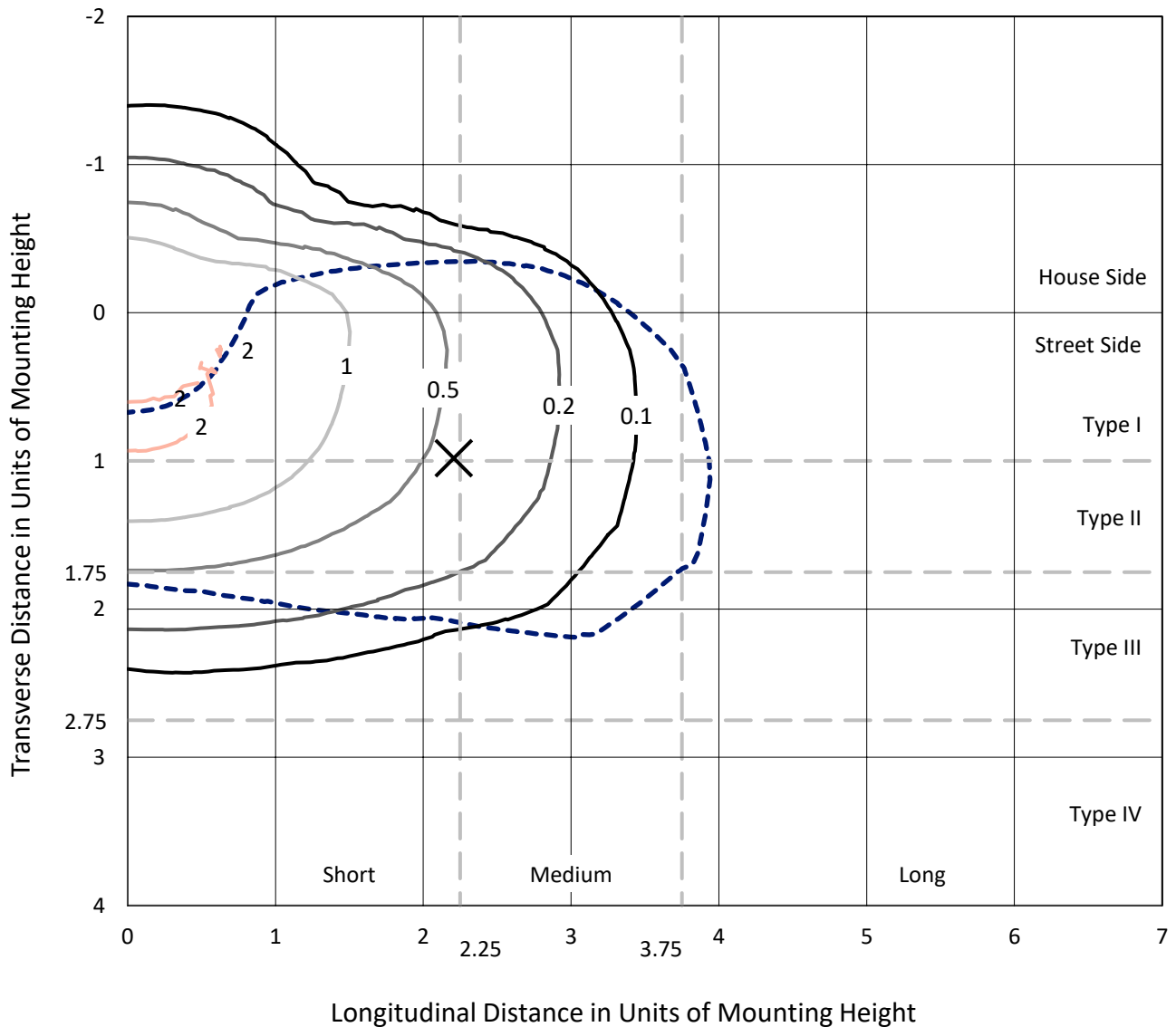
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

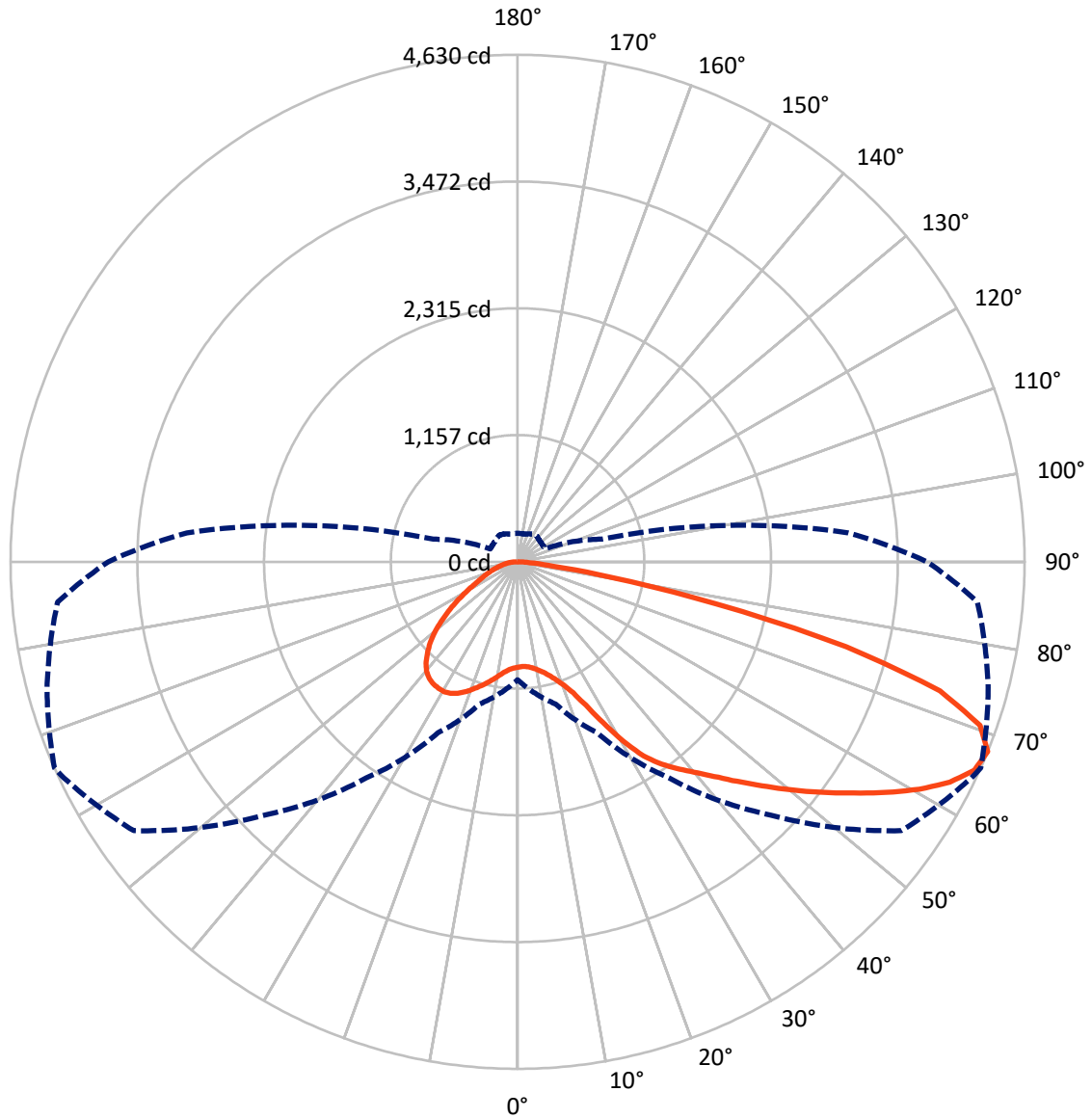
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2156.5	0.0	2156.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6516.5	0.0	6516.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	8673.0	0.0	8673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.1
10°-20°	315.1	3.6
20°-30°	607.3	7.0
30°-40°	1064.9	12.3
40°-50°	1583.1	18.3
50°-60°	2006.8	23.1
60°-70°	1963.6	22.6
70°-80°	936.7	10.8
80°-90°	100.1	1.2
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°	8673.0	100.0
0°-180°	8673.0	100.0

Coefficient of Utilization



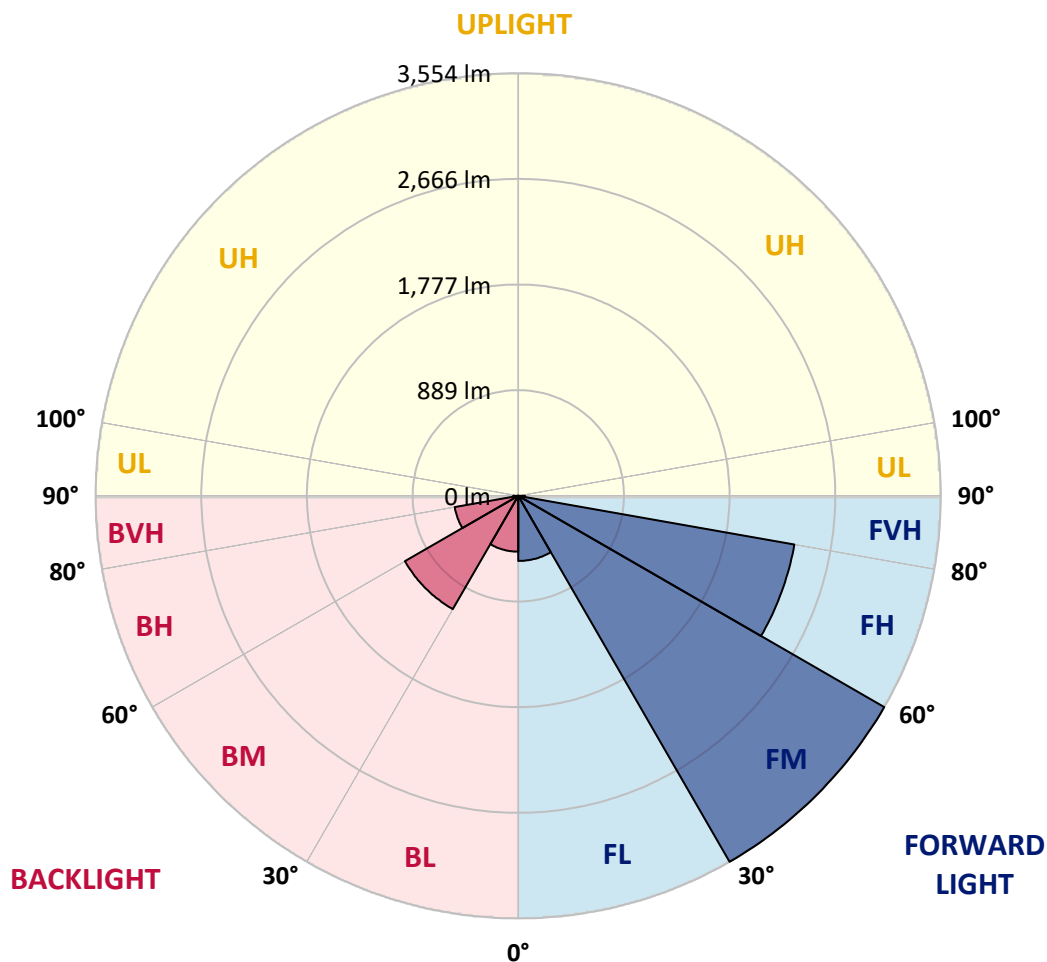
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	548.0	6.3			
FM (30°-60°)	3554.1	41.0			
FH (60°-80°)	2357.6	27.2			G2/5000
FVH (80°-90°)	56.8	0.7			G1/100
BL (0°-30°)	469.8	5.4	B1/500		
BM (30°-60°)	1100.7	12.7	B2/2500		
BH (60°-80°)	542.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	43.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0
2.5°	951.9	957.4	956.0	953.7	953.3	954.2	955.6	956.9	956.5	958.8
5°	949.2	954.7	954.2	954.2	956.0	959.7	962.0	964.2	962.0	964.7
7.5°	951.0	955.1	956.9	958.8	963.3	970.2	975.6	980.6	977.9	981.1
10°	974.3	977.4	979.3	979.3	982.5	990.2	995.7	1004.8	1002.5	1007.5
12.5°	1016.6	1019.8	1019.8	1018.0	1020.3	1025.3	1027.1	1037.1	1033.0	1041.2
15°	1068.6	1075.0	1069.9	1066.8	1067.7	1072.7	1072.2	1080.0	1075.9	1082.7
17.5°	1126.0	1134.2	1126.0	1125.5	1123.7	1129.2	1129.6	1136.5	1129.2	1134.2
20°	1193.9	1205.3	1198.5	1200.7	1196.6	1198.9	1201.2	1211.2	1199.8	1203.5
22.5°	1289.6	1303.3	1296.0	1304.6	1301.9	1300.1	1299.6	1317.4	1299.6	1301.0
25°	1429.0	1445.4	1432.7	1444.5	1444.5	1450.4	1457.3	1480.1	1450.4	1441.8
27.5°	1635.0	1651.4	1626.3	1633.6	1631.4	1645.9	1638.6	1695.1	1663.2	1649.1
30°	1882.9	1912.1	1864.7	1862.8	1860.6	1883.8	1894.3	1931.6	1899.3	1885.2
32.5°	2150.8	2181.4	2124.9	2108.5	2099.8	2113.9	2105.3	2135.3	2113.0	2091.1
35°	2434.3	2464.3	2410.6	2378.7	2344.0	2314.4	2283.4	2291.2	2270.2	2237.0
37.5°	2702.2	2757.3	2700.4	2666.2	2602.4	2544.5	2458.0	2422.0	2402.4	2371.8
40°	2975.2	3006.6	2963.3	2934.2	2864.9	2774.2	2635.7	2559.6	2533.2	2503.5
42.5°	3176.1	3206.2	3183.0	3162.9	3108.7	3003.4	2824.3	2729.1	2690.8	2657.6
45°	3335.6	3357.9	3343.4	3350.6	3327.4	3225.3	3019.8	2910.9	2871.3	2830.7
47.5°	3399.9	3423.6	3446.8	3490.1	3529.7	3454.5	3229.9	3107.8	3065.8	3024.4
50°	3392.6	3416.7	3484.2	3576.2	3699.2	3674.2	3451.4	3317.4	3278.7	3231.3
52.5°	3334.2	3361.6	3448.2	3601.3	3797.2	3838.7	3676.9	3533.8	3497.4	3440.9
55°	3181.1	3197.5	3327.4	3544.3	3820.5	3953.5	3897.9	3764.4	3728.0	3649.1
57.5°	2897.2	2920.9	3110.0	3390.7	3762.1	4031.4	4092.0	4006.8	3971.7	3858.3
60°	2526.8	2564.6	2781.0	3132.8	3613.6	4031.0	4268.4	4245.2	4216.0	4064.3
62.5°	2107.5	2151.3	2359.5	2768.3	3353.8	3916.6	4378.7	4444.7	4429.7	4254.3
65°	1618.6	1648.7	1856.0	2296.7	2949.6	3671.0	4391.4	4581.0	4583.7	4398.7
67.5°	1077.7	1164.3	1344.3	1723.4	2408.3	3269.5	4279.3	4603.3	4629.8	4448.4
70°	525.9	639.8	816.1	1120.1	1723.4	2653.9	3986.3	4420.1	4478.9	4303.5
72.5°	218.3	255.2	351.3	552.7	989.3	1790.8	3397.6	3923.4	4032.4	3813.2
75°	147.2	159.5	201.0	283.4	450.7	883.1	2450.2	2925.5	3100.9	2879.9
77.5°	113.5	121.2	146.3	198.2	267.9	334.0	1311.5	1763.0	1853.7	1716.1
80°	89.3	95.2	109.4	144.5	190.0	178.6	447.0	798.8	851.2	714.1
82.5°	77.5	79.7	78.4	98.0	126.2	104.4	146.7	294.8	325.4	236.0
85°	56.0	62.4	65.2	60.6	67.0	52.9	60.2	104.4	114.8	102.5
87.5°	22.8	33.7	41.5	39.2	24.6	15.0	18.7	30.5	35.1	38.3
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°
962.0	0°	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0
962.4	2.5°	962.9	966.1	968.3	971.1	972.9	975.6	981.1	984.3	984.7	987.0
969.7	5°	971.5	976.1	981.1	988.4	996.6	1003.4	1013.9	1021.2	1023.9	1026.2
987.5	7.5°	990.2	996.6	1005.7	1018.5	1030.3	1039.4	1052.2	1060.8	1069.5	1072.7
1015.7	10°	1018.0	1027.1	1040.3	1057.6	1070.4	1082.3	1095.5	1102.8	1111.4	1115.1
1049.4	12.5°	1052.6	1062.2	1079.5	1103.7	1115.5	1123.7	1128.3	1126.5	1128.3	1131.5
1090.0	15°	1092.3	1102.8	1122.4	1148.3	1156.5	1149.2	1139.2	1130.1	1128.7	1129.6
1139.2	17.5°	1139.2	1147.0	1169.7	1191.6	1185.7	1155.6	1133.7	1119.2	1111.9	1109.6
1202.1	20°	1204.8	1204.8	1223.5	1237.2	1197.5	1146.5	1112.3	1088.6	1073.6	1067.2
1287.8	22.5°	1284.6	1277.3	1289.1	1279.6	1195.3	1121.0	1073.6	1032.6	1009.8	1000.7
1407.6	25°	1385.7	1377.1	1373.9	1314.7	1178.9	1080.4	1003.4	953.7	933.7	928.7
1580.3	27.5°	1538.4	1516.5	1475.1	1333.8	1148.8	1016.6	921.4	875.4	864.0	864.4
1802.2	30°	1741.6	1697.9	1596.3	1337.0	1099.6	926.4	837.5	804.7	799.3	801.5
1988.6	32.5°	1929.8	1888.4	1720.2	1322.4	1023.9	838.0	762.4	740.5	732.3	735.0
2130.8	35°	2077.5	2066.1	1835.0	1301.9	931.0	755.1	694.9	676.2	660.3	656.6
2264.8	37.5°	2216.9	2212.3	1921.2	1273.2	838.9	696.3	640.7	616.1	592.8	580.1
2412.9	40°	2370.0	2365.5	1977.7	1229.0	757.3	645.2	591.9	559.6	530.9	507.6
2580.5	42.5°	2542.3	2515.4	2004.6	1165.6	688.1	602.0	552.3	508.5	470.7	449.3
2770.1	45°	2730.5	2669.9	2004.1	1085.0	629.8	562.3	509.9	447.9	412.9	392.8
2964.7	47.5°	2930.1	2817.5	1979.5	995.7	573.3	518.6	444.3	396.9	373.7	361.4
3176.1	50°	3136.0	2955.6	1937.6	893.1	515.4	468.9	403.3	370.9	353.2	341.8
3385.7	52.5°	3329.7	3080.9	1887.0	776.9	456.6	420.6	385.1	360.0	341.3	328.5
3589.0	55°	3509.7	3188.9	1815.4	658.0	408.7	388.2	376.4	355.4	334.0	319.0
3795.4	57.5°	3669.6	3259.1	1692.0	546.4	374.6	365.9	367.3	347.7	323.1	310.3
3998.6	60°	3802.7	3310.5	1509.2	442.9	346.8	344.0	353.2	333.1	304.4	289.8
4170.4	62.5°	3882.4	3309.6	1285.0	362.7	323.1	324.0	334.5	314.9	285.7	272.0
4260.2	65°	3875.6	3228.5	1039.0	310.3	300.3	301.2	314.9	294.8	270.2	262.0
4215.1	67.5°	3738.4	3030.8	797.0	276.1	275.2	279.3	295.3	281.2	260.7	259.7
3946.2	70°	3367.1	2620.2	574.2	248.8	249.3	255.2	276.1	272.5	255.6	257.5
3317.8	72.5°	2699.9	1997.7	385.5	220.1	220.6	230.1	257.9	265.7	250.6	274.8
2354.1	75°	1798.1	1245.8	247.9	189.6	190.0	202.3	242.0	252.4	237.0	273.9
1224.9	77.5°	864.0	560.0	179.5	159.5	159.5	170.9	209.2	226.0	201.9	212.8
393.7	80°	298.5	210.5	141.3	128.5	125.8	133.5	176.3	195.9	174.1	160.4
128.5	82.5°	117.6	109.4	113.5	99.8	90.7	95.7	137.2	161.8	128.0	115.7
72.5	85°	67.4	71.1	80.2	66.1	52.4	58.8	100.7	116.2	96.6	85.2
23.7	87.5°	18.2	25.1	36.9	34.2	23.7	25.1	47.8	64.3	55.6	42.8
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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