

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: P852151

Luminaire Tested: **GLAN-SB1D-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7868 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

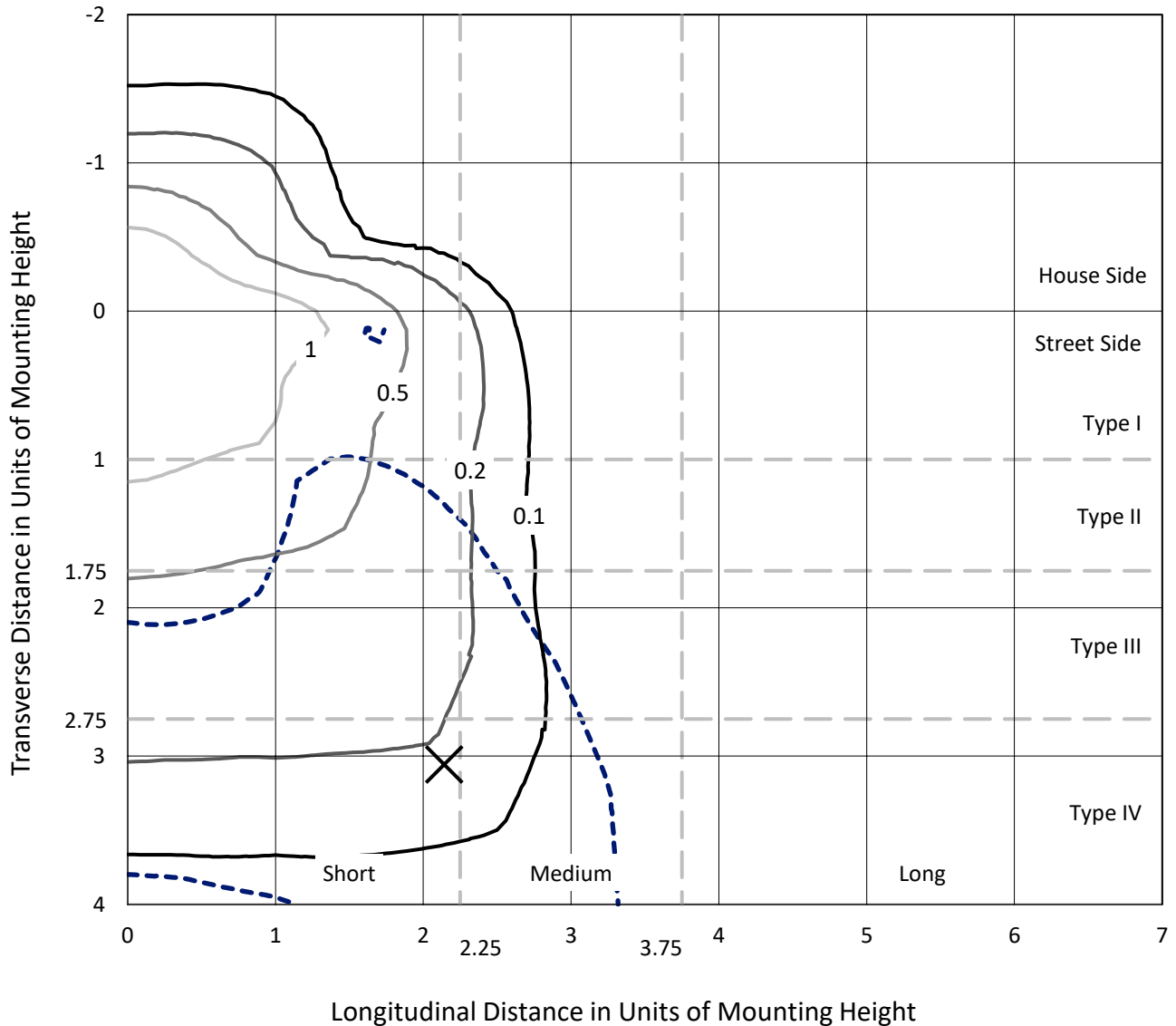
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

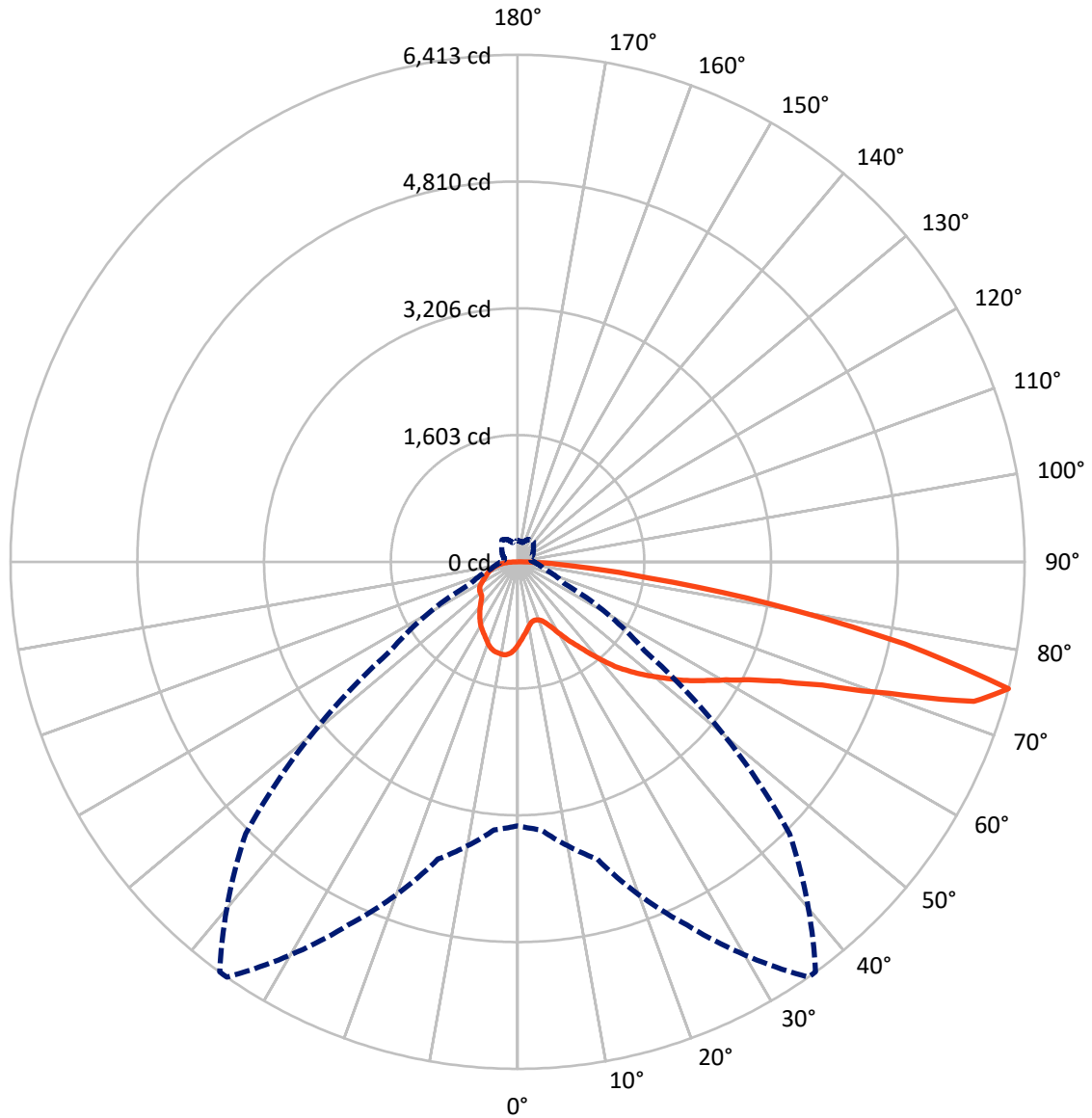
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1872.4	0.0	1872.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5995.6	0.0	5995.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	7868.0	0.0	7868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	1.3
10°-20°	286.3	3.6
20°-30°	480.8	6.1
30°-40°	747.3	9.5
40°-50°	1109.2	14.1
50°-60°	1531.3	19.5
60°-70°	1857.8	23.6
70°-80°	1535.3	19.5
80°-90°	220.8	2.8
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°	7868.0	100.0
0°-180°	7868.0	100.0

Coefficient of Utilization



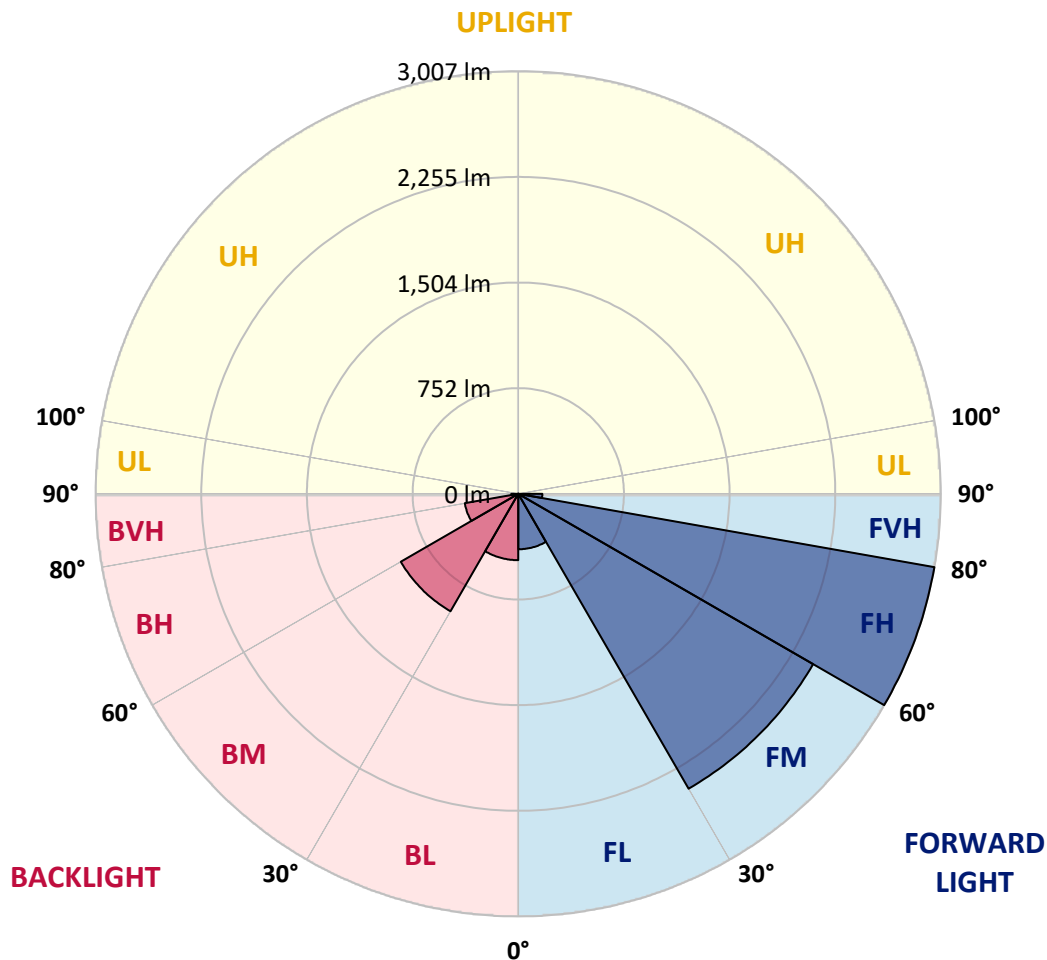
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.6	5.0			
FM (30°-60°)	2422.9	30.8			
FH (60°-80°)	3007.0	38.2			G2/5000
FVH (80°-90°)	171.1	2.2			G2/225
BL (0°-30°)	471.9	6.0	B1/500		
BM (30°-60°)	964.8	12.3	B1/1000		
BH (60°-80°)	386.0	4.9	B1/500		G1/500
BVH (80°-90°)	49.7	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5
2.5°	966.8	972.8	975.3	974.0	980.4	979.6	988.5	999.6	1014.9	1029.7
5°	892.4	898.7	904.3	909.4	921.7	925.5	939.6	960.8	988.9	1017.4
7.5°	823.0	828.6	837.1	846.4	867.3	871.1	894.5	927.7	966.8	1008.5
10°	766.5	772.0	780.9	791.6	817.5	822.2	852.0	896.2	947.2	1000.0
12.5°	742.2	743.9	749.0	759.7	782.2	785.2	817.9	868.5	928.1	993.6
15°	740.9	744.3	744.8	750.3	769.0	770.3	800.5	850.7	916.2	992.3
17.5°	753.7	756.3	752.4	755.8	771.6	773.7	797.5	842.2	912.4	997.8
20°	787.7	789.9	778.4	773.7	785.2	786.9	810.3	847.7	916.2	1009.3
22.5°	860.0	861.3	833.2	814.1	815.0	815.8	836.2	870.2	931.1	1030.2
25°	972.8	971.9	927.2	890.2	869.0	864.3	877.9	906.8	956.2	1057.8
27.5°	1104.6	1098.2	1053.6	998.3	951.9	945.1	942.1	954.5	991.9	1094.4
30°	1253.5	1247.5	1199.5	1127.2	1062.9	1051.9	1023.8	1017.4	1045.1	1144.2
32.5°	1416.8	1413.0	1355.6	1267.9	1182.0	1169.3	1122.0	1105.0	1126.7	1219.5
35°	1553.8	1550.4	1502.7	1412.6	1307.5	1291.8	1243.7	1224.6	1235.6	1316.0
37.5°	1677.5	1675.8	1635.0	1564.0	1455.5	1436.4	1382.4	1376.0	1373.8	1443.2
40°	1792.4	1788.1	1745.6	1708.2	1627.8	1610.3	1562.7	1557.2	1541.0	1599.7
42.5°	1919.6	1908.5	1846.8	1829.4	1807.7	1793.2	1764.7	1765.6	1729.9	1776.2
45°	2023.3	2017.0	1953.6	1943.4	1966.8	1960.8	1985.5	1991.9	1922.5	1961.2
47.5°	2134.8	2128.8	2075.2	2068.0	2131.4	2133.1	2220.3	2222.4	2110.5	2153.5
50°	2272.2	2263.7	2210.5	2219.4	2290.5	2296.8	2456.3	2441.9	2283.7	2348.7
52.5°	2362.8	2367.9	2356.4	2370.8	2467.8	2473.8	2688.6	2651.6	2455.1	2541.4
55°	2429.5	2439.8	2475.5	2508.7	2655.0	2660.9	2907.6	2851.1	2597.1	2720.1
57.5°	2515.5	2501.0	2567.8	2632.4	2832.8	2848.5	3120.7	3043.3	2723.0	2874.0
60°	2638.8	2628.6	2680.5	2776.2	3031.8	3056.9	3346.2	3216.4	2815.3	2996.1
62.5°	2888.9	2863.4	2871.5	2956.1	3282.8	3316.0	3600.5	3367.4	2861.3	3043.7
65°	3262.8	3219.0	3178.1	3236.8	3636.2	3669.0	3887.6	3486.1	2844.3	2951.4
67.5°	3733.6	3690.3	3640.1	3695.4	4156.9	4182.8	4241.9	3552.9	2710.3	2595.9
70°	4122.0	4105.8	4165.8	4393.3	4988.4	4989.2	4696.2	3497.6	2343.2	1840.4
72.5°	4070.5	4060.7	4376.8	5080.3	6036.4	6013.9	5126.2	3079.0	1578.4	830.3
75°	3339.3	3402.7	3892.3	5067.9	6412.9	6409.9	4862.9	1957.4	652.9	344.1
77.5°	1790.7	1891.1	2526.9	3741.7	5006.3	5081.5	3418.9	684.8	280.3	220.3
80°	584.0	671.6	1007.2	1905.1	3253.0	3239.0	1465.3	268.8	191.8	156.1
82.5°	248.0	258.2	450.0	899.6	1669.5	1643.5	466.6	154.4	134.8	106.8
85°	97.0	108.5	198.6	416.0	723.1	707.3	168.4	76.6	86.3	69.8
87.5°	31.9	38.7	71.0	142.5	225.0	216.9	41.3	26.4	37.4	31.9
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°
1048.5	0°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5
1051.4	2.5°	1057.4	1064.2	1072.3	1084.2	1094.4	1102.9	1111.8	1117.4	1119.5	1125.9
1053.1	5°	1065.1	1079.9	1099.9	1119.5	1138.6	1150.1	1160.3	1165.4	1170.1	1173.5
1057.8	7.5°	1077.8	1097.0	1128.4	1153.9	1170.1	1179.5	1186.3	1184.6	1186.3	1187.1
1062.9	10°	1088.9	1115.7	1153.1	1177.3	1189.7	1190.1	1188.4	1182.4	1179.5	1179.9
1070.6	12.5°	1102.1	1131.8	1172.2	1192.7	1196.1	1186.7	1179.5	1169.3	1165.4	1163.7
1082.1	15°	1119.9	1153.9	1193.1	1200.7	1192.2	1180.3	1168.0	1151.4	1142.9	1136.1
1101.6	17.5°	1141.6	1179.0	1209.2	1203.7	1185.4	1165.9	1145.9	1120.8	1103.3	1096.1
1128.4	20°	1171.8	1205.4	1221.6	1197.3	1169.7	1139.9	1105.9	1075.3	1059.1	1051.9
1162.5	22.5°	1208.4	1240.7	1233.5	1186.3	1147.1	1099.5	1057.0	1034.4	1026.3	1021.2
1206.3	25°	1252.2	1279.8	1242.0	1170.1	1110.1	1045.9	1013.2	1005.9	1002.1	998.3
1259.9	27.5°	1309.2	1324.1	1248.4	1146.3	1052.3	988.9	977.0	978.3	977.0	970.6
1334.3	30°	1384.5	1381.5	1254.3	1107.6	985.9	937.5	938.3	943.8	944.7	940.4
1438.1	32.5°	1483.6	1453.4	1257.3	1057.4	922.6	892.4	893.2	899.2	903.4	896.2
1573.8	35°	1603.5	1537.2	1252.6	994.4	873.6	849.4	843.0	844.7	846.0	839.2
1738.4	37.5°	1743.5	1631.2	1231.8	924.7	833.2	807.3	793.7	782.2	775.4	769.0
1924.7	40°	1897.0	1733.7	1193.5	856.6	788.2	762.6	742.2	720.5	697.6	689.1
2122.0	42.5°	2057.8	1839.2	1147.1	791.6	736.3	715.4	693.7	662.3	627.8	610.4
2327.0	45°	2224.5	1947.2	1101.6	727.3	683.1	674.2	649.1	611.2	573.8	551.7
2532.5	47.5°	2387.9	2049.3	1034.9	662.7	633.3	643.1	623.5	588.7	547.0	512.1
2736.2	50°	2544.0	2145.0	925.5	597.2	592.9	633.8	615.0	564.9	517.2	472.6
2936.1	52.5°	2698.8	2222.4	785.6	537.6	571.2	631.2	604.0	548.7	490.4	443.6
3124.1	55°	2830.2	2262.4	650.8	486.6	539.8	609.5	590.8	529.5	452.6	402.8
3253.0	57.5°	2905.1	2230.1	538.5	436.4	496.4	573.8	568.3	488.7	407.5	369.2
3278.1	60°	2872.7	2099.1	446.6	392.6	455.1	535.1	529.1	448.3	373.0	336.9
3143.7	62.5°	2694.5	1849.4	373.9	354.3	417.7	495.5	490.0	417.3	346.7	311.8
2786.8	65°	2335.5	1504.4	317.3	322.4	379.8	447.9	456.0	391.3	325.8	291.8
2156.1	67.5°	1781.3	1089.7	273.1	294.8	342.8	401.1	424.5	372.6	308.4	276.0
1247.5	70°	1015.3	618.9	235.6	268.0	310.1	357.7	400.2	357.7	289.7	262.9
467.4	72.5°	384.9	284.1	203.7	241.2	278.6	321.1	373.4	334.3	268.0	248.0
241.6	75°	205.4	173.1	171.4	209.7	242.4	285.4	339.8	311.3	251.8	262.0
167.2	77.5°	139.9	122.5	143.3	179.5	202.9	245.8	304.1	276.5	218.2	217.3
115.7	80°	97.0	86.8	116.5	144.6	157.0	206.7	265.4	237.3	177.8	165.9
71.5	82.5°	58.3	56.6	87.2	108.0	111.0	159.5	219.9	199.1	145.5	126.8
42.5	85°	31.9	33.6	55.7	63.4	64.7	111.4	172.3	154.0	111.9	94.0
15.3	87.5°	8.9	11.5	20.4	25.1	31.0	57.8	102.5	91.4	56.1	39.1
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°
1048.5
1125.5
1174.4
1188.4
1180.7
1162.9
1138.2
1096.5
1051.0
1022.1
998.3
971.9
942.6
899.6
843.9
773.3
692.9
612.5
550.0
508.3
468.7
438.5
398.5
364.1
331.8
306.2
286.3
270.9
259.5
244.6
270.5
200.3
158.7
127.6
94.9
39.1
0.0

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