

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: P846407

Luminaire Tested: **GLAN-SB2A-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6904 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

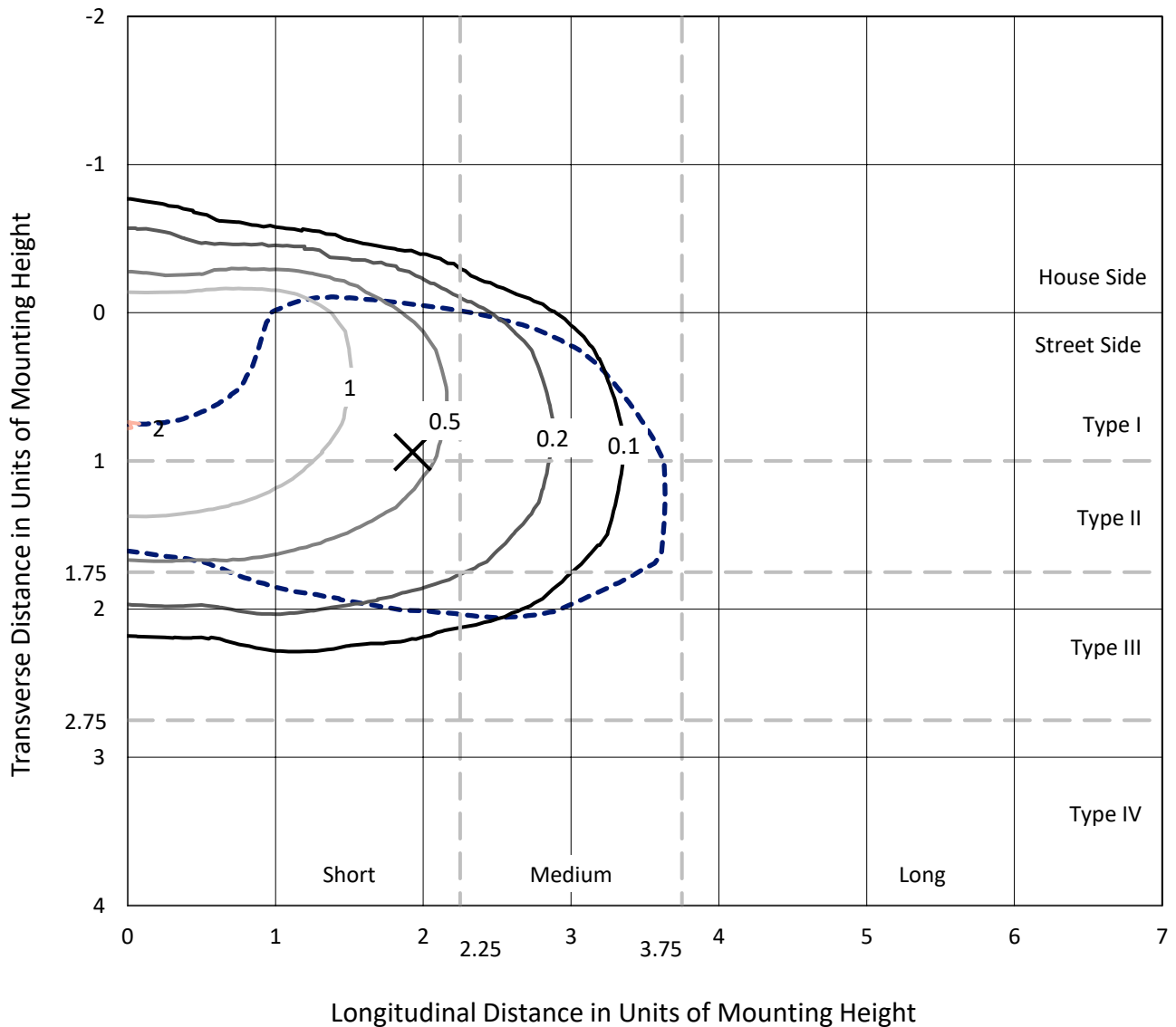
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

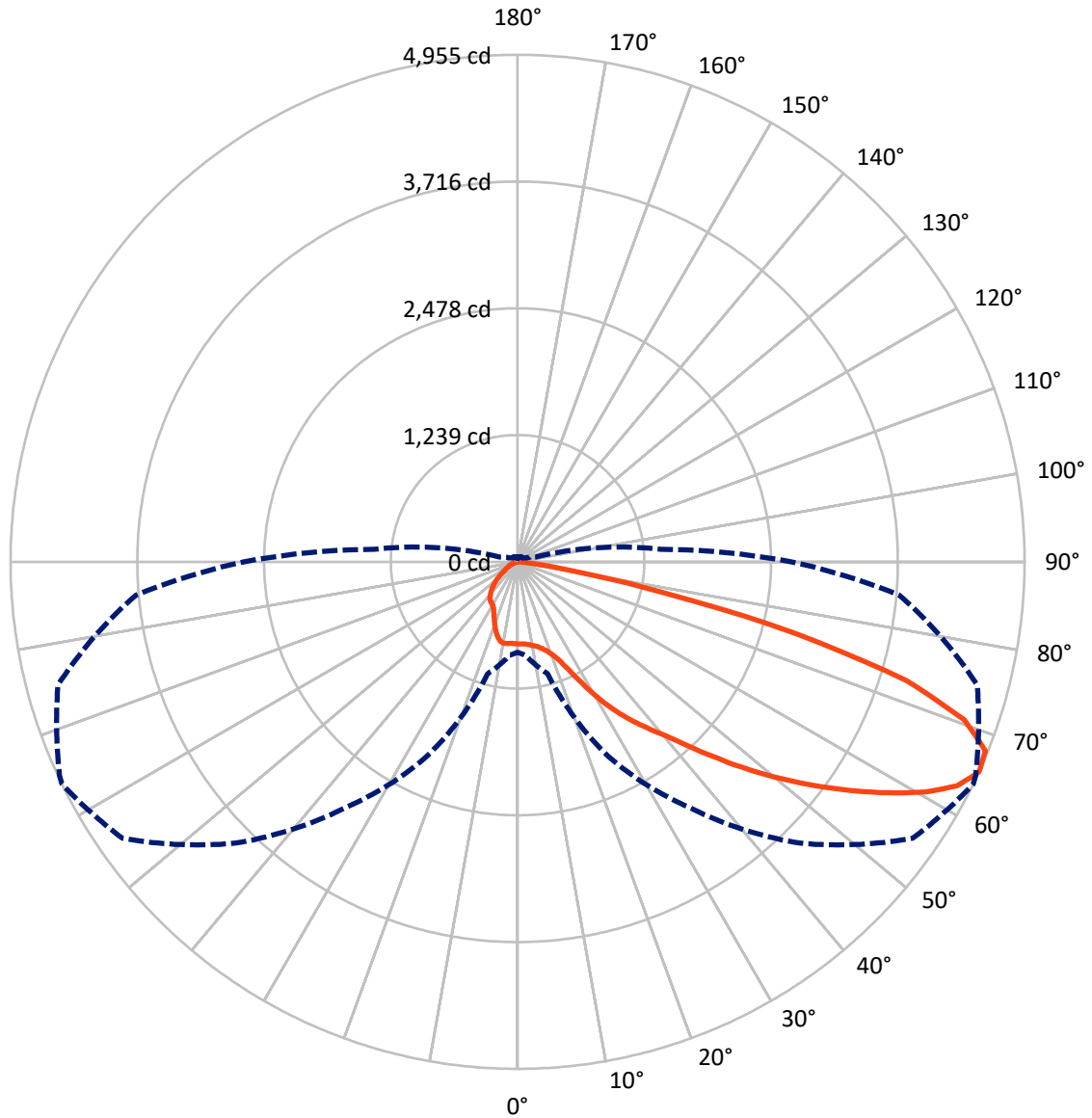
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	923.3	0.0	923.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5980.7	0.0	5980.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	6904.0	0.0	6904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.1
10°-20°	200.9	2.9
20°-30°	380.8	5.5
30°-40°	770.5	11.2
40°-50°	1312.5	19.0
50°-60°	1784.9	25.9
60°-70°	1676.2	24.3
70°-80°	671.5	9.7
80°-90°	32.5	0.5
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°	6904.0	100.0
0°-180°	6904.0	100.0

Coefficient of Utilization



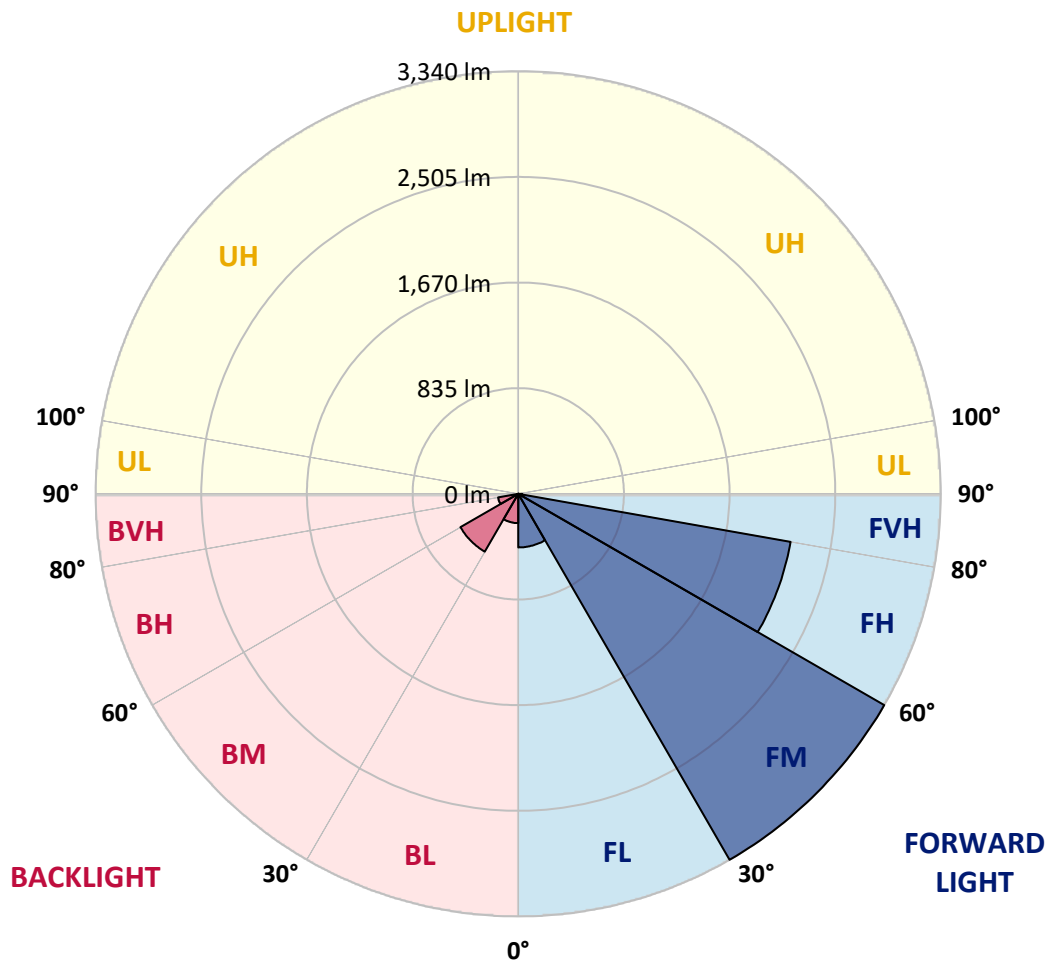
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.0	6.1			
FM (30°-60°)	3340.1	48.4			
FH (60°-80°)	2185.6	31.7			G2/5000
FVH (80°-90°)	30.9	0.4			G1/100
BL (0°-30°)	231.8	3.4	B1/500		
BM (30°-60°)	527.8	7.6	B1/1000		
BH (60°-80°)	162.0	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0
2.5°	800.2	805.8	804.4	803.0	802.5	803.5	803.9	803.5	803.5	803.5
5°	785.0	789.6	789.6	792.8	797.5	803.0	807.2	808.1	809.0	810.4
7.5°	755.8	759.5	762.3	772.9	784.5	799.3	811.8	818.3	819.2	824.3
10°	735.9	740.5	745.2	756.3	772.9	795.1	816.4	832.2	834.5	846.5
12.5°	735.0	739.6	745.6	757.6	777.1	800.7	826.6	849.3	853.5	871.0
15°	744.7	750.2	755.8	770.6	791.4	820.1	847.9	876.1	880.3	905.3
17.5°	764.6	772.0	776.2	791.0	813.2	845.1	881.7	914.1	917.8	946.9
20°	803.9	812.7	814.1	826.1	847.9	882.2	925.7	965.9	970.6	1003.9
22.5°	885.4	897.9	886.8	892.8	912.2	946.5	993.7	1044.6	1051.1	1089.0
25°	1028.9	1046.5	1017.8	1007.6	1015.9	1051.5	1110.8	1175.1	1182.5	1213.1
27.5°	1310.7	1288.1	1244.5	1202.0	1177.0	1197.3	1264.0	1343.6	1352.8	1382.5
30°	1620.4	1600.5	1541.7	1447.3	1388.0	1384.8	1446.3	1535.2	1545.8	1574.1
32.5°	1930.5	1911.5	1847.6	1731.4	1628.7	1577.8	1620.4	1718.9	1724.5	1742.5
35°	2235.5	2216.0	2152.2	2033.2	1906.9	1791.1	1782.8	1893.9	1895.7	1914.7
37.5°	2542.3	2526.1	2458.1	2341.4	2216.9	2057.3	1980.0	2059.6	2061.9	2080.4
40°	2761.2	2768.2	2721.4	2631.2	2524.3	2349.8	2201.2	2235.9	2222.0	2253.0
42.5°	2949.1	2963.0	2922.3	2876.9	2814.9	2661.3	2475.2	2469.2	2447.0	2463.6
45°	3111.6	3123.2	3086.6	3076.0	3074.6	2966.7	2774.7	2738.6	2707.5	2704.3
47.5°	3171.3	3193.5	3209.3	3244.9	3314.3	3269.0	3084.3	3028.3	2993.6	2968.1
50°	3194.0	3217.6	3271.3	3374.9	3539.2	3558.7	3392.5	3329.6	3287.0	3240.7
52.5°	3163.4	3205.5	3277.7	3452.2	3690.6	3791.0	3688.3	3633.2	3584.6	3509.2
55°	2983.4	3025.5	3173.1	3451.3	3766.0	3953.9	3967.8	3943.3	3888.7	3769.7
57.5°	2603.9	2666.4	2900.1	3333.8	3764.6	4094.2	4241.8	4259.4	4198.3	4028.0
60°	2078.1	2162.8	2447.9	3073.2	3648.5	4170.1	4482.0	4570.0	4505.2	4282.5
62.5°	1450.0	1548.2	1818.0	2665.0	3382.8	4115.5	4657.4	4819.9	4770.8	4510.3
65°	884.5	915.9	1133.5	2097.1	2931.1	3886.8	4711.6	4955.0	4938.8	4649.6
67.5°	589.2	615.6	678.0	1438.0	2275.3	3430.0	4582.0	4931.4	4936.1	4626.9
70°	355.0	377.7	418.4	836.3	1474.6	2715.0	4180.7	4630.6	4657.4	4323.7
72.5°	146.3	161.5	198.6	379.1	763.7	1723.1	3329.1	3975.7	4038.2	3635.5
75°	82.8	90.7	116.6	190.2	331.4	803.0	2016.5	2822.3	2914.4	2505.8
77.5°	55.1	58.8	75.4	123.1	186.5	274.0	861.8	1470.4	1646.3	1368.6
80°	37.0	40.3	51.8	82.4	121.3	117.6	274.5	544.7	670.2	470.2
82.5°	25.0	25.5	37.0	54.2	76.8	56.9	81.0	169.4	212.9	136.1
85°	14.3	13.9	27.3	31.5	34.2	23.6	24.5	50.9	66.6	57.4
87.5°	1.9	2.8	10.6	8.3	4.6	5.1	5.1	8.8	13.0	13.9
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°
803.0	0°	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0
803.9	2.5°	803.9	803.5	802.1	800.7	797.5	795.6	796.5	795.6	795.1	795.6
809.9	5°	809.9	808.6	804.9	800.2	793.8	785.9	780.8	773.4	766.4	762.3
826.1	7.5°	826.1	824.8	819.7	806.7	785.9	753.0	722.9	696.6	676.7	665.1
852.1	10°	852.1	849.8	841.9	813.2	758.6	686.8	627.1	577.6	545.2	529.9
882.6	12.5°	882.6	879.8	866.0	807.2	706.7	594.7	512.4	457.3	427.2	413.8
917.8	15°	918.7	915.0	887.7	778.5	631.3	492.9	417.5	376.3	356.8	344.8
962.7	17.5°	963.6	957.1	903.9	735.4	549.4	415.2	359.2	328.1	311.0	299.4
1021.5	20°	1021.9	1011.3	916.9	684.1	473.9	366.1	319.8	293.9	280.9	270.8
1104.8	22.5°	1103.4	1088.1	932.6	628.5	420.7	332.3	290.7	271.7	261.0	249.5
1220.9	25°	1204.3	1186.2	952.0	577.1	384.1	303.2	269.4	253.6	241.1	227.7
1373.2	27.5°	1345.4	1313.0	975.2	535.0	352.7	278.2	249.9	232.3	218.0	206.9
1545.8	30°	1502.8	1449.6	995.5	509.6	324.0	255.0	224.5	206.9	193.5	185.6
1700.9	32.5°	1651.8	1579.6	1009.0	498.5	298.1	228.6	196.7	177.7	167.5	165.2
1852.7	35°	1792.5	1697.2	1007.6	487.8	274.9	202.3	169.4	150.0	142.1	143.5
2016.1	37.5°	1954.5	1822.6	997.9	471.2	255.9	178.2	145.8	128.7	121.7	122.2
2214.6	40°	2142.9	1967.5	991.8	439.7	235.1	156.0	126.4	112.5	107.4	105.5
2423.8	42.5°	2343.8	2107.7	992.8	404.0	209.2	136.1	112.9	101.4	96.7	95.3
2656.6	45°	2545.6	2241.5	994.2	367.0	181.9	120.8	103.2	93.5	90.7	88.9
2892.7	47.5°	2735.3	2355.3	968.2	327.2	155.0	109.2	95.3	88.9	86.5	84.2
3129.6	50°	2912.1	2431.2	905.8	280.9	133.8	100.0	89.3	84.7	82.4	80.1
3344.4	52.5°	3049.6	2443.3	802.5	233.3	118.9	93.0	85.6	81.5	78.7	76.4
3518.0	55°	3110.7	2367.8	655.8	188.8	107.4	87.0	81.9	77.8	74.5	72.2
3654.5	57.5°	3094.9	2209.1	511.4	151.8	96.3	81.0	77.3	74.5	70.8	67.1
3765.1	60°	3017.6	1996.6	385.5	126.4	86.1	74.5	72.2	69.9	64.8	59.2
3807.7	62.5°	2883.9	1729.6	274.9	104.6	75.0	67.1	66.2	64.3	56.9	46.7
3744.7	65°	2679.3	1405.1	185.1	87.0	64.3	58.8	59.2	56.0	46.3	34.7
3514.3	67.5°	2380.3	1027.5	118.5	71.3	53.7	49.1	49.5	47.7	39.3	29.6
3077.3	70°	1999.4	680.4	77.3	54.2	43.0	38.0	40.7	41.2	33.3	24.1
2361.8	72.5°	1465.8	401.7	54.2	40.3	31.5	26.4	33.3	34.2	26.8	18.1
1420.9	75°	835.4	190.7	40.7	29.2	19.4	18.5	25.9	25.9	18.5	12.0
615.1	77.5°	350.8	79.6	28.7	19.0	11.1	10.6	17.6	16.2	9.3	5.6
150.0	80°	101.4	35.6	15.3	9.3	4.6	4.2	6.9	5.1	2.3	0.9
56.9	82.5°	39.8	15.7	6.0	3.7	1.9	1.9	0.9	0.0	0.0	0.0
32.4	85°	23.6	6.5	2.8	1.4	0.5	0.0	0.0	0.0	0.0	0.0
6.9	87.5°	6.0	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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797.5
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