

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: P846207

Luminaire Tested: **GLAN-SB1D-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846207
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-SB1D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6243 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

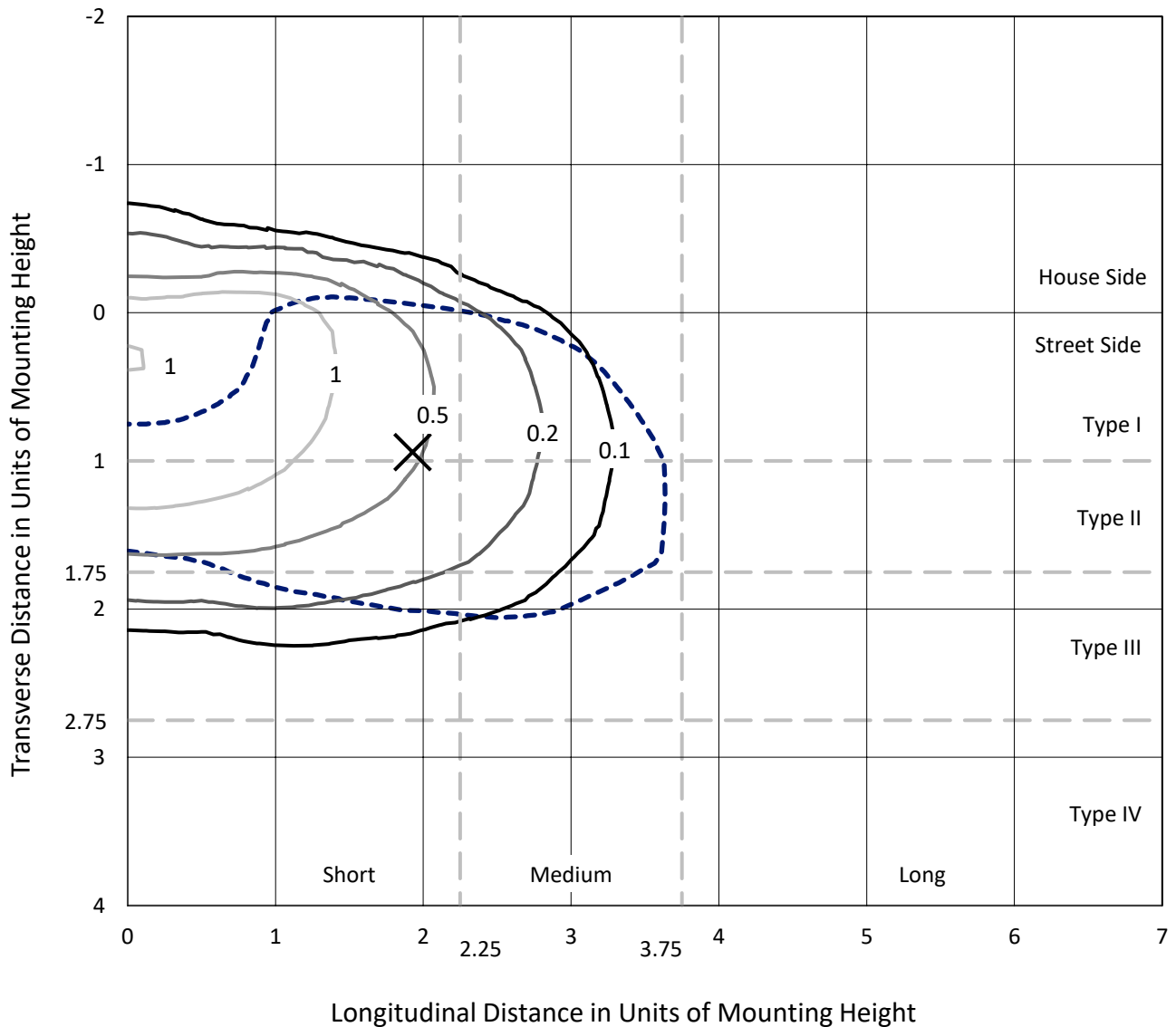
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

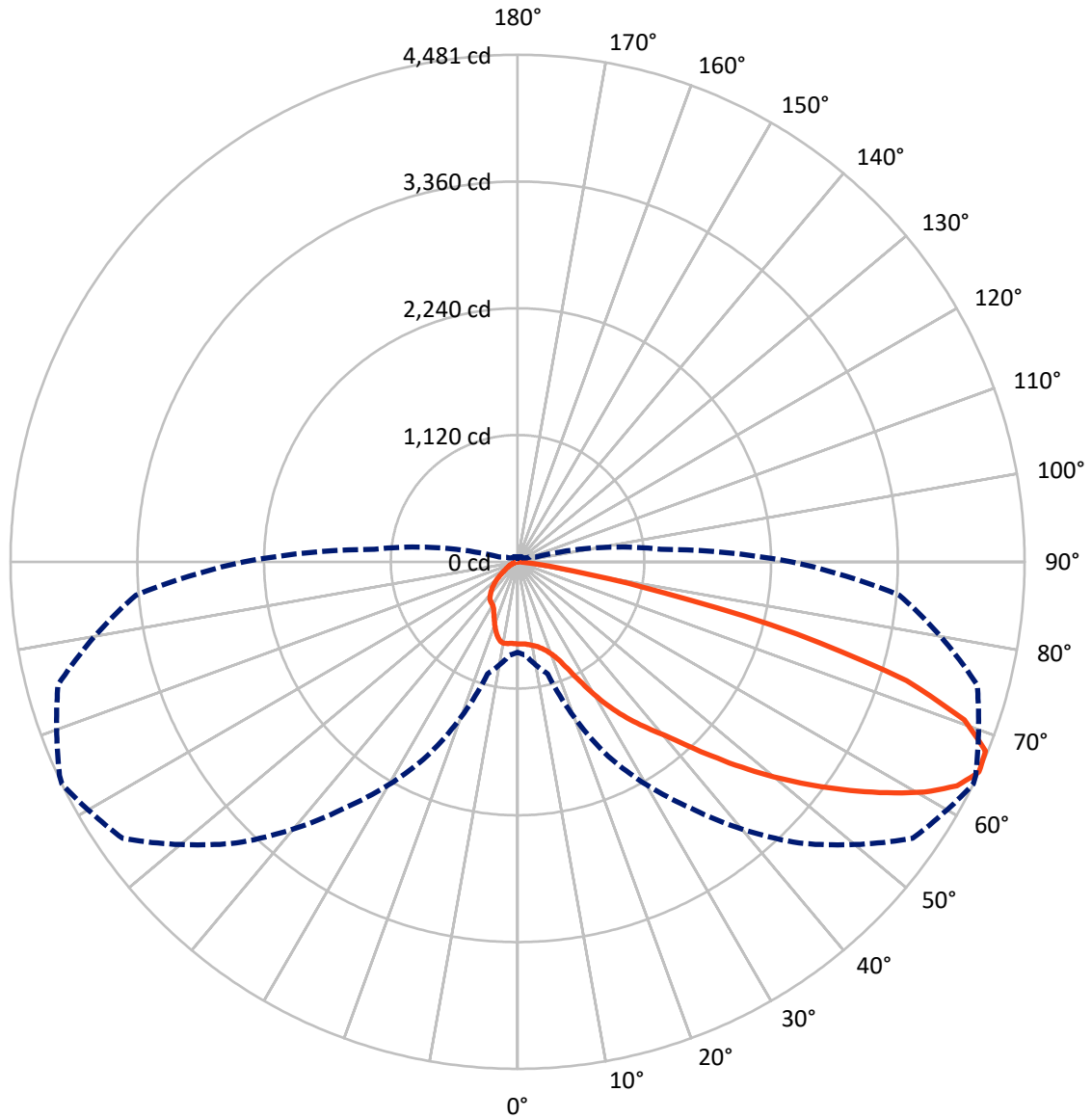
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	834.9	0.0	834.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5408.1	0.0	5408.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	6243.0	0.0	6243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	1.1
10°-20°	181.7	2.9
20°-30°	344.3	5.5
30°-40°	696.7	11.2
40°-50°	1186.9	19.0
50°-60°	1614.1	25.9
60°-70°	1515.7	24.3
70°-80°	607.2	9.7
80°-90°	29.4	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°	6243.0	100.0
0°-180°	6243.0	100.0

Coefficient of Utilization



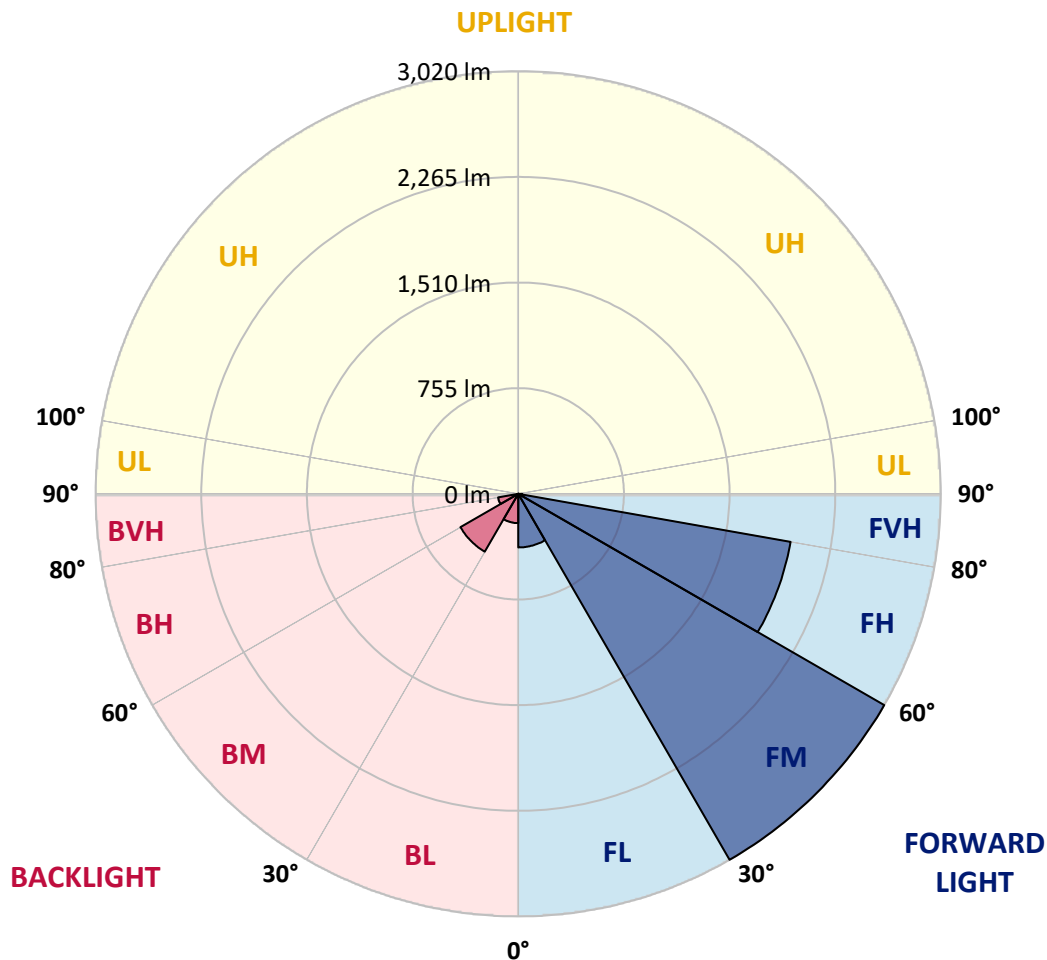
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.4	6.1			
FM (30°-60°)	3020.4	48.4			
FH (60°-80°)	1976.4	31.7			G2/5000
FVH (80°-90°)	28.0	0.4			G1/100
BL (0°-30°)	209.6	3.4	B1/500		
BM (30°-60°)	477.3	7.6	B1/1000		
BH (60°-80°)	146.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1
2.5°	723.6	728.6	727.4	726.1	725.7	726.5	727.0	726.5	726.5	726.5
5°	709.8	714.0	714.0	716.9	721.1	726.1	729.9	730.7	731.6	732.8
7.5°	683.4	686.8	689.3	698.9	709.4	722.8	734.1	739.9	740.8	745.4
10°	665.4	669.6	673.8	683.9	698.9	719.0	738.3	752.5	754.6	765.5
12.5°	664.6	668.8	674.2	685.1	702.7	724.0	747.5	768.0	771.7	787.6
15°	673.4	678.4	683.4	696.8	715.7	741.6	766.7	792.3	796.0	818.6
17.5°	691.4	698.1	701.9	715.2	735.3	764.2	797.3	826.6	829.9	856.3
20°	727.0	734.9	736.2	747.1	766.7	797.7	837.0	873.4	877.6	907.8
22.5°	800.6	811.9	801.9	807.3	824.9	855.9	898.6	944.6	950.5	984.8
25°	930.4	946.3	920.3	911.1	918.6	950.9	1004.4	1062.6	1069.3	1096.9
27.5°	1185.2	1164.7	1125.4	1086.9	1064.3	1082.7	1143.0	1215.0	1223.3	1250.1
30°	1465.2	1447.2	1394.1	1308.7	1255.1	1252.2	1307.9	1388.2	1397.8	1423.4
32.5°	1745.6	1728.5	1670.7	1565.7	1472.8	1426.7	1465.2	1554.4	1559.4	1575.7
35°	2021.4	2003.9	1946.1	1838.5	1724.3	1619.7	1612.1	1712.6	1714.2	1731.4
37.5°	2298.9	2284.3	2222.7	2117.3	2004.7	1860.3	1790.4	1862.4	1864.5	1881.2
40°	2496.9	2503.1	2460.9	2379.3	2282.6	2124.8	1990.5	2021.9	2009.3	2037.3
42.5°	2666.8	2679.3	2642.5	2601.5	2545.4	2406.5	2238.2	2232.8	2212.7	2227.8
45°	2813.7	2824.1	2791.1	2781.5	2780.2	2682.7	2509.0	2476.4	2448.3	2445.4
47.5°	2867.7	2887.8	2902.0	2934.2	2997.0	2956.0	2789.0	2738.4	2707.0	2683.9
50°	2888.2	2909.5	2958.1	3051.8	3200.4	3218.0	3067.7	3010.8	2972.3	2930.5
52.5°	2860.6	2898.6	2963.9	3121.7	3337.2	3428.1	3335.2	3285.4	3241.4	3173.2
55°	2697.8	2735.8	2869.3	3120.9	3405.5	3575.4	3587.9	3565.8	3516.4	3408.8
57.5°	2354.6	2411.1	2622.4	3014.6	3404.2	3702.2	3835.7	3851.6	3796.4	3642.3
60°	1879.1	1955.7	2213.5	2778.9	3299.2	3770.8	4052.9	4132.4	4073.8	3872.5
62.5°	1311.2	1399.9	1643.9	2409.8	3058.9	3721.4	4211.5	4358.4	4314.1	4078.4
65°	799.8	828.2	1024.9	1896.3	2650.5	3514.7	4260.5	4480.6	4466.0	4204.4
67.5°	532.8	556.6	613.1	1300.3	2057.4	3101.6	4143.3	4459.3	4463.5	4183.9
70°	321.0	341.5	378.3	756.3	1333.4	2455.0	3780.5	4187.3	4211.5	3909.8
72.5°	132.3	146.1	179.5	342.8	690.6	1558.1	3010.4	3595.1	3651.6	3287.4
75°	74.9	82.0	105.5	172.0	299.7	726.1	1823.5	2552.1	2635.4	2265.8
77.5°	49.8	53.2	68.2	111.3	168.7	247.8	779.3	1329.6	1488.7	1237.6
80°	33.5	36.4	46.9	74.5	109.7	106.3	248.2	492.6	606.0	425.2
82.5°	22.6	23.0	33.5	49.0	69.5	51.5	73.2	153.2	192.5	123.0
85°	13.0	12.6	24.7	28.5	31.0	21.3	22.2	46.0	60.3	51.9
87.5°	1.7	2.5	9.6	7.5	4.2	4.6	4.6	8.0	11.7	12.6
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°
726.1	0°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1
727.0	2.5°	727.0	726.5	725.3	724.0	721.1	719.4	720.3	719.4	719.0	719.4
732.4	5°	732.4	731.1	727.8	723.6	717.8	710.6	706.0	699.3	693.1	689.3
747.1	7.5°	747.1	745.8	741.2	729.5	710.6	680.9	653.7	629.9	611.9	601.4
770.5	10°	770.5	768.4	761.3	735.3	685.9	621.1	567.1	522.3	493.0	479.2
798.1	12.5°	798.1	795.6	783.0	729.9	639.1	537.8	463.3	413.5	386.3	374.2
829.9	15°	830.8	827.4	802.7	703.9	570.9	445.7	377.5	340.3	322.7	311.8
870.5	17.5°	871.4	865.5	817.4	665.0	496.8	375.4	324.8	296.7	281.2	270.8
923.7	20°	924.1	914.5	829.1	618.6	428.6	331.0	289.2	265.8	254.0	244.8
999.0	22.5°	997.7	983.9	843.3	568.3	380.4	300.5	262.8	245.7	236.0	225.6
1104.0	25°	1089.0	1072.7	860.9	521.9	347.4	274.1	243.6	229.3	218.0	205.9
1241.7	27.5°	1216.6	1187.3	881.8	483.8	318.9	251.5	226.0	210.1	197.1	187.1
1397.8	30°	1358.9	1310.8	900.2	460.8	293.0	230.6	203.0	187.1	174.9	167.8
1538.0	32.5°	1493.7	1428.4	912.4	450.7	269.5	206.7	177.9	160.7	151.5	149.4
1675.3	35°	1620.9	1534.7	911.1	441.1	248.6	182.9	153.2	135.6	128.5	129.7
1823.1	37.5°	1767.4	1648.1	902.3	426.0	231.4	161.1	131.8	116.3	110.1	110.5
2002.6	40°	1937.7	1779.1	896.9	397.6	212.6	141.0	114.3	101.7	97.1	95.4
2191.8	42.5°	2119.4	1905.9	897.7	365.4	189.2	123.0	102.1	91.7	87.5	86.2
2402.3	45°	2301.8	2026.9	899.0	331.9	164.5	109.2	93.3	84.5	82.0	80.4
2615.7	47.5°	2473.4	2129.8	875.5	295.9	140.2	98.8	86.2	80.4	78.3	76.2
2830.0	50°	2633.3	2198.5	819.0	254.0	121.0	90.4	80.8	76.6	74.5	72.4
3024.2	52.5°	2757.6	2209.3	725.7	210.9	107.6	84.1	77.4	73.7	71.1	69.1
3181.1	55°	2812.8	2141.1	593.0	170.8	97.1	78.7	74.1	70.3	67.4	65.3
3304.6	57.5°	2798.6	1997.6	462.5	137.3	87.1	73.2	69.9	67.4	64.0	60.7
3404.6	60°	2728.7	1805.5	348.6	114.3	77.8	67.4	65.3	63.2	58.6	53.6
3443.1	62.5°	2607.8	1564.0	248.6	94.6	67.8	60.7	59.8	58.2	51.5	42.3
3386.2	65°	2422.8	1270.6	167.4	78.7	58.2	53.2	53.6	50.6	41.9	31.4
3177.8	67.5°	2152.4	929.1	107.1	64.5	48.5	44.4	44.8	43.1	35.6	26.8
2782.7	70°	1808.0	615.2	69.9	49.0	38.9	34.3	36.8	37.2	30.1	21.8
2135.7	72.5°	1325.4	363.3	49.0	36.4	28.5	23.9	30.1	31.0	24.3	16.3
1284.8	75°	755.4	172.4	36.8	26.4	17.6	16.7	23.4	23.4	16.7	10.9
556.2	77.5°	317.2	72.0	25.9	17.2	10.0	9.6	15.9	14.6	8.4	5.0
135.6	80°	91.7	32.2	13.8	8.4	4.2	3.8	6.3	4.6	2.1	0.8
51.5	82.5°	36.0	14.2	5.4	3.3	1.7	1.7	0.8	0.0	0.0	0.0
29.3	85°	21.3	5.9	2.5	1.3	0.4	0.0	0.0	0.0	0.0	0.0
6.3	87.5°	5.4	1.3	0.8	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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726.1
721.1
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166.6
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