

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: P846227

Luminaire Tested: **GLAN-SB1D-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846227
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-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 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: 7712 lumens
Efficiency: N/A
Efficacy: 96.9 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

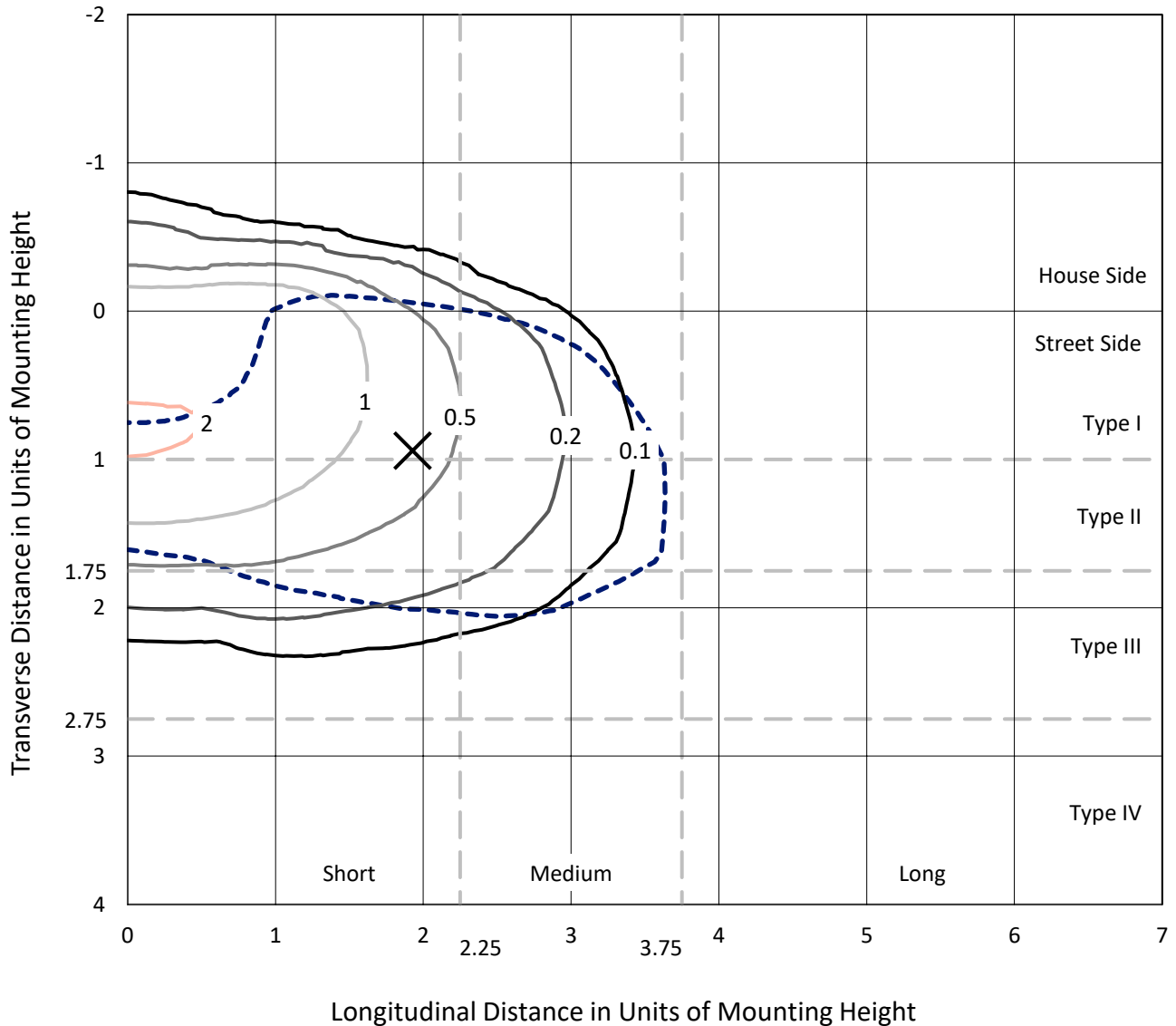
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

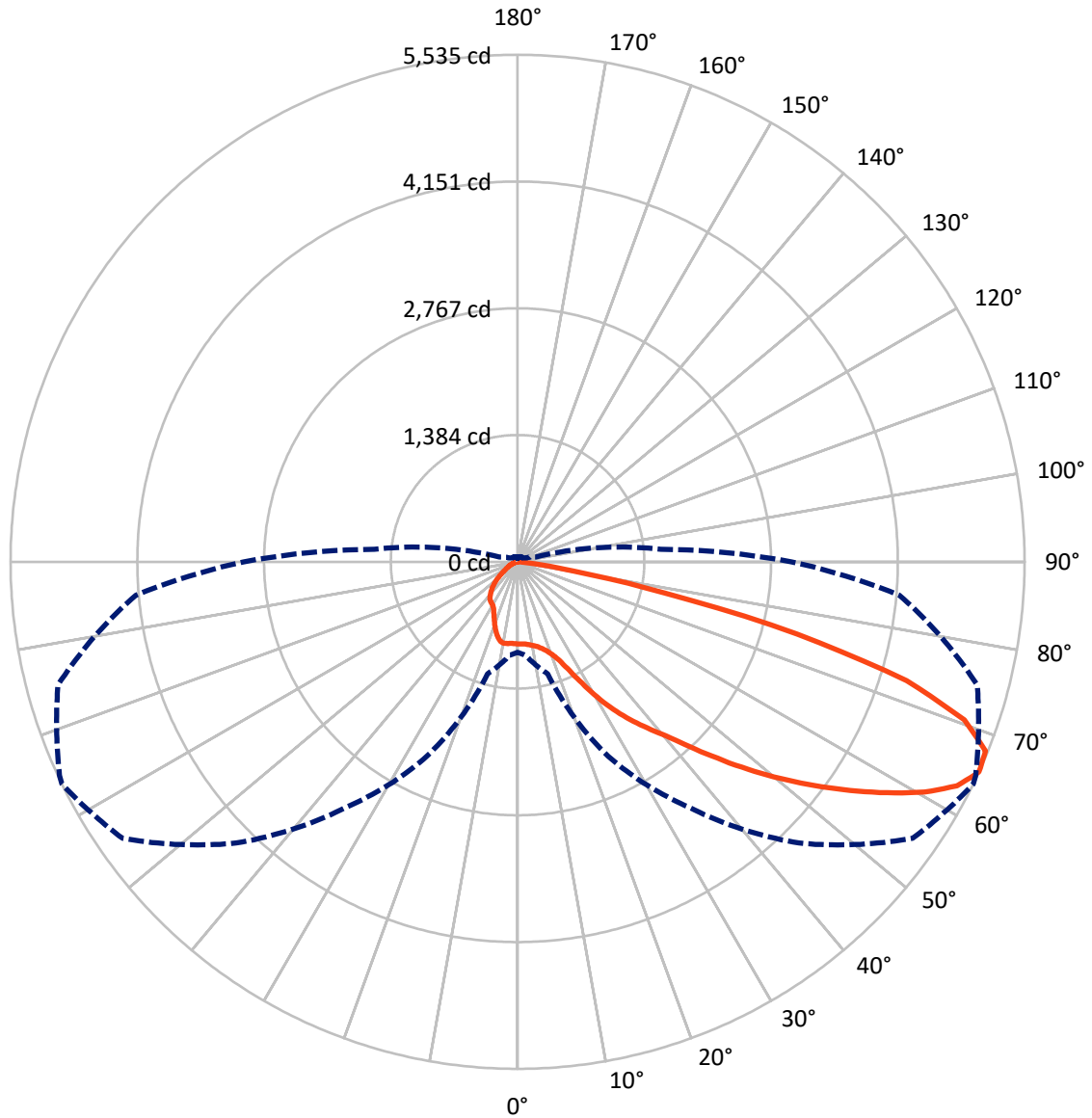
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	1031.3	0.0	1031.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6680.7	0.0	6680.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	7712.0	0.0	7712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	1.1
10°-20°	224.5	2.9
20°-30°	425.3	5.5
30°-40°	860.7	11.2
40°-50°	1466.1	19.0
50°-60°	1993.8	25.9
60°-70°	1872.3	24.3
70°-80°	750.1	9.7
80°-90°	36.3	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°	7712.0	100.0
0°-180°	7712.0	100.0

Coefficient of Utilization



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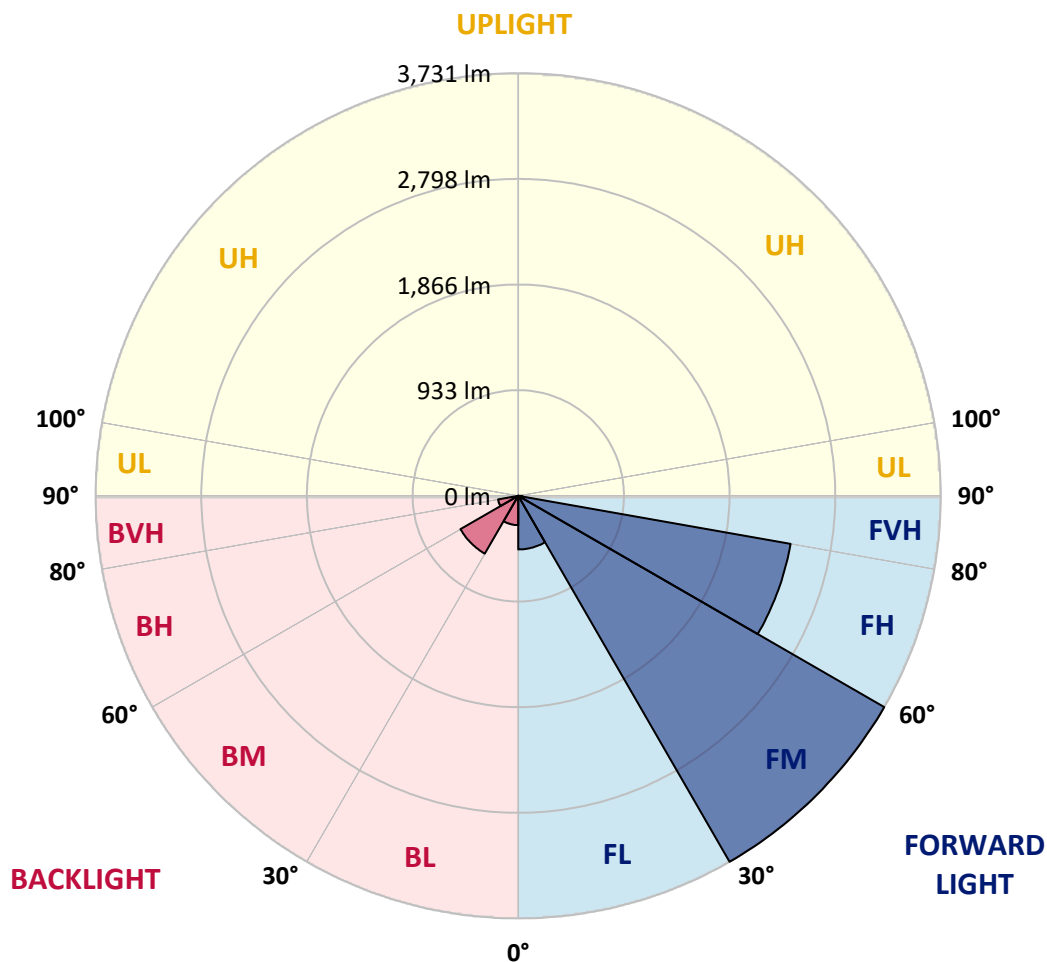
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.6	6.1			
FM (30°-60°)	3731.1	48.4			
FH (60°-80°)	2441.4	31.7			G2/5000
FVH (80°-90°)	34.6	0.4			G1/100
BL (0°-30°)	258.9	3.4	B1/500		
BM (30°-60°)	589.6	7.6	B1/1000		
BH (60°-80°)	181.0	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	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°	897.0	897.0	897.0	897.0	897.0	897.0	897.0	897.0	897.0	897.0
2.5°	893.9	900.1	898.5	897.0	896.5	897.5	898.0	897.5	897.5	897.5
5°	876.8	882.0	882.0	885.6	890.8	897.0	901.6	902.7	903.7	905.3
7.5°	844.3	848.4	851.5	863.4	876.3	892.8	906.8	914.0	915.1	920.8
10°	822.0	827.2	832.4	844.8	863.4	888.2	912.0	929.6	932.1	945.6
12.5°	821.0	826.2	832.9	846.3	868.0	894.4	923.4	948.7	953.3	973.0
15°	831.8	838.0	844.3	860.8	884.1	916.1	947.1	978.7	983.3	1011.2
17.5°	854.1	862.3	867.0	883.5	908.4	944.0	984.9	1021.1	1025.2	1057.8
20°	898.0	907.8	909.4	922.8	947.1	985.4	1034.0	1079.0	1084.1	1121.4
22.5°	989.0	1003.0	990.6	997.3	1019.0	1057.3	1110.0	1166.9	1174.1	1216.5
25°	1149.3	1168.9	1136.9	1125.5	1134.8	1174.6	1240.8	1312.6	1320.9	1355.0
27.5°	1464.1	1438.8	1390.2	1342.6	1314.7	1337.5	1411.9	1500.8	1511.2	1544.3
30°	1810.0	1787.8	1722.1	1616.6	1550.5	1546.8	1615.6	1714.9	1726.8	1758.3
32.5°	2156.4	2135.2	2063.8	1934.1	1819.3	1762.4	1810.0	1920.1	1926.3	1946.5
35°	2497.1	2475.4	2404.0	2271.2	2130.0	2000.8	1991.5	2115.5	2117.6	2138.8
37.5°	2839.9	2821.8	2745.8	2615.5	2476.4	2298.0	2211.7	2300.6	2303.2	2323.9
40°	3084.4	3092.1	3039.9	2939.1	2819.7	2624.8	2458.8	2497.6	2482.1	2516.7
42.5°	3294.3	3309.8	3264.3	3213.6	3144.4	2972.7	2764.9	2758.2	2733.4	2752.0
45°	3475.8	3488.7	3447.8	3435.9	3434.4	3313.9	3099.4	3059.1	3024.4	3020.8
47.5°	3542.4	3567.3	3584.8	3624.6	3702.2	3651.5	3445.3	3382.7	3343.9	3315.5
50°	3567.8	3594.1	3654.1	3769.9	3953.5	3975.2	3789.6	3719.3	3671.7	3620.0
52.5°	3533.7	3580.7	3661.4	3856.3	4122.5	4234.7	4119.9	4058.4	4004.1	3919.9
55°	3332.5	3379.6	3544.5	3855.2	4206.8	4416.7	4432.2	4404.8	4343.8	4210.9
57.5°	2908.6	2978.4	3239.5	3723.9	4205.2	4573.3	4738.3	4757.9	4689.7	4499.4
60°	2321.3	2415.9	2734.4	3432.8	4075.5	4658.1	5006.6	5104.8	5032.4	4783.8
62.5°	1619.7	1729.3	2030.8	2976.9	3778.7	4597.1	5202.5	5384.0	5329.2	5038.1
65°	988.0	1023.1	1266.1	2342.5	3274.1	4341.7	5263.0	5534.9	5516.8	5193.7
67.5°	658.1	687.6	757.4	1606.3	2541.5	3831.4	5118.2	5508.6	5513.7	5168.4
70°	396.5	421.9	467.4	934.2	1647.1	3032.7	4670.0	5172.5	5202.5	4829.8
72.5°	163.4	180.4	221.8	423.4	853.0	1924.8	3718.7	4441.0	4510.8	4061.0
75°	92.5	101.3	130.3	212.5	370.2	897.0	2252.5	3152.6	3255.5	2799.0
77.5°	61.5	65.7	84.3	137.5	208.3	306.1	962.6	1642.5	1838.9	1528.8
80°	41.4	45.0	57.9	92.0	135.5	131.3	306.6	608.5	748.6	525.3
82.5°	27.9	28.4	41.4	60.5	85.8	63.6	90.5	189.2	237.8	152.0
85°	16.0	15.5	30.5	35.2	38.3	26.4	27.4	56.9	74.4	64.1
87.5°	2.1	3.1	11.9	9.3	5.2	5.7	5.7	9.8	14.5	15.5
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°
897.0	0°	897.0	897.0	897.0	897.0	897.0	897.0	897.0	897.0	897.0	897.0
898.0	2.5°	898.0	897.5	896.0	894.4	890.8	888.7	889.7	888.7	888.2	888.7
904.7	5°	904.7	903.2	899.1	893.9	886.6	877.9	872.2	863.9	856.1	851.5
922.8	7.5°	922.8	921.3	915.6	901.1	877.9	841.2	807.5	778.1	755.8	742.9
951.8	10°	951.8	949.2	940.4	908.4	847.4	767.2	700.5	645.2	609.0	592.0
985.9	12.5°	985.9	982.8	967.3	901.6	789.5	664.3	572.3	510.8	477.2	462.2
1025.2	15°	1026.2	1022.1	991.6	869.6	705.2	550.6	466.3	420.3	398.6	385.2
1075.3	17.5°	1076.4	1069.1	1009.7	821.5	613.7	463.7	401.2	366.5	347.4	334.5
1141.0	20°	1141.5	1129.6	1024.2	764.1	529.4	408.9	357.2	328.3	313.8	302.4
1234.1	22.5°	1232.5	1215.5	1041.7	702.1	469.9	371.2	324.7	303.5	291.6	278.7
1363.8	25°	1345.2	1325.1	1063.5	644.7	429.1	338.6	300.9	283.3	269.4	254.4
1533.9	27.5°	1502.9	1466.7	1089.3	597.6	393.9	310.7	279.2	259.5	243.5	231.1
1726.8	30°	1678.7	1619.2	1112.1	569.2	361.9	284.9	250.7	231.1	216.1	207.3
1900.0	32.5°	1845.2	1764.5	1127.0	556.8	332.9	255.4	219.7	198.5	187.2	184.6
2069.5	35°	2002.3	1895.8	1125.5	544.9	307.1	225.9	189.2	167.5	158.7	160.3
2252.0	37.5°	2183.3	2035.9	1114.6	526.3	285.9	199.0	162.9	143.7	136.0	136.5
2473.8	40°	2393.7	2197.7	1107.9	491.1	262.6	174.2	141.1	125.6	119.9	117.9
2707.5	42.5°	2618.1	2354.4	1109.0	451.3	233.7	152.0	126.1	113.2	108.1	106.5
2967.5	45°	2843.5	2503.8	1110.5	410.0	203.2	134.9	115.3	104.4	101.3	99.3
3231.2	47.5°	3055.4	2631.0	1081.6	365.5	173.2	122.0	106.5	99.3	96.7	94.1
3495.9	50°	3252.9	2715.8	1011.8	313.8	149.4	111.7	99.8	94.6	92.0	89.4
3735.8	52.5°	3406.5	2729.2	896.5	260.6	132.9	103.9	95.6	91.0	87.9	85.3
3929.7	55°	3474.7	2644.9	732.6	210.9	119.9	97.2	91.5	86.9	83.2	80.7
4082.2	57.5°	3457.1	2467.6	571.3	169.6	107.5	90.5	86.3	83.2	79.1	75.0
4205.8	60°	3370.8	2230.3	430.7	141.1	96.2	83.2	80.7	78.1	72.4	66.2
4253.3	62.5°	3221.4	1932.0	307.1	116.8	83.8	75.0	73.9	71.9	63.6	52.2
4183.0	65°	2992.9	1569.6	206.8	97.2	71.9	65.7	66.2	62.6	51.7	38.8
3925.5	67.5°	2658.9	1147.7	132.4	79.6	60.0	54.8	55.3	53.3	43.9	33.1
3437.5	70°	2233.4	760.0	86.3	60.5	48.1	42.4	45.5	46.0	37.2	26.9
2638.2	72.5°	1637.3	448.8	60.5	45.0	35.2	29.5	37.2	38.3	30.0	20.2
1587.2	75°	933.2	213.0	45.5	32.6	21.7	20.7	29.0	29.0	20.7	13.4
687.1	77.5°	391.9	88.9	32.1	21.2	12.4	11.9	19.6	18.1	10.3	6.2
167.5	80°	113.2	39.8	17.1	10.3	5.2	4.7	7.8	5.7	2.6	1.0
63.6	82.5°	44.5	17.6	6.7	4.1	2.1	2.1	1.0	0.0	0.0	0.0
36.2	85°	26.4	7.2	3.1	1.6	0.5	0.0	0.0	0.0	0.0	0.0
7.8	87.5°	6.7	1.6	1.0	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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897.0
890.8
852.5
743.4
590.4
460.6
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333.5
300.4
276.6
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205.8
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160.3
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117.4
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