

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: P845892

Luminaire Tested: **GLAN-SB1B-735-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-735-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3859 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

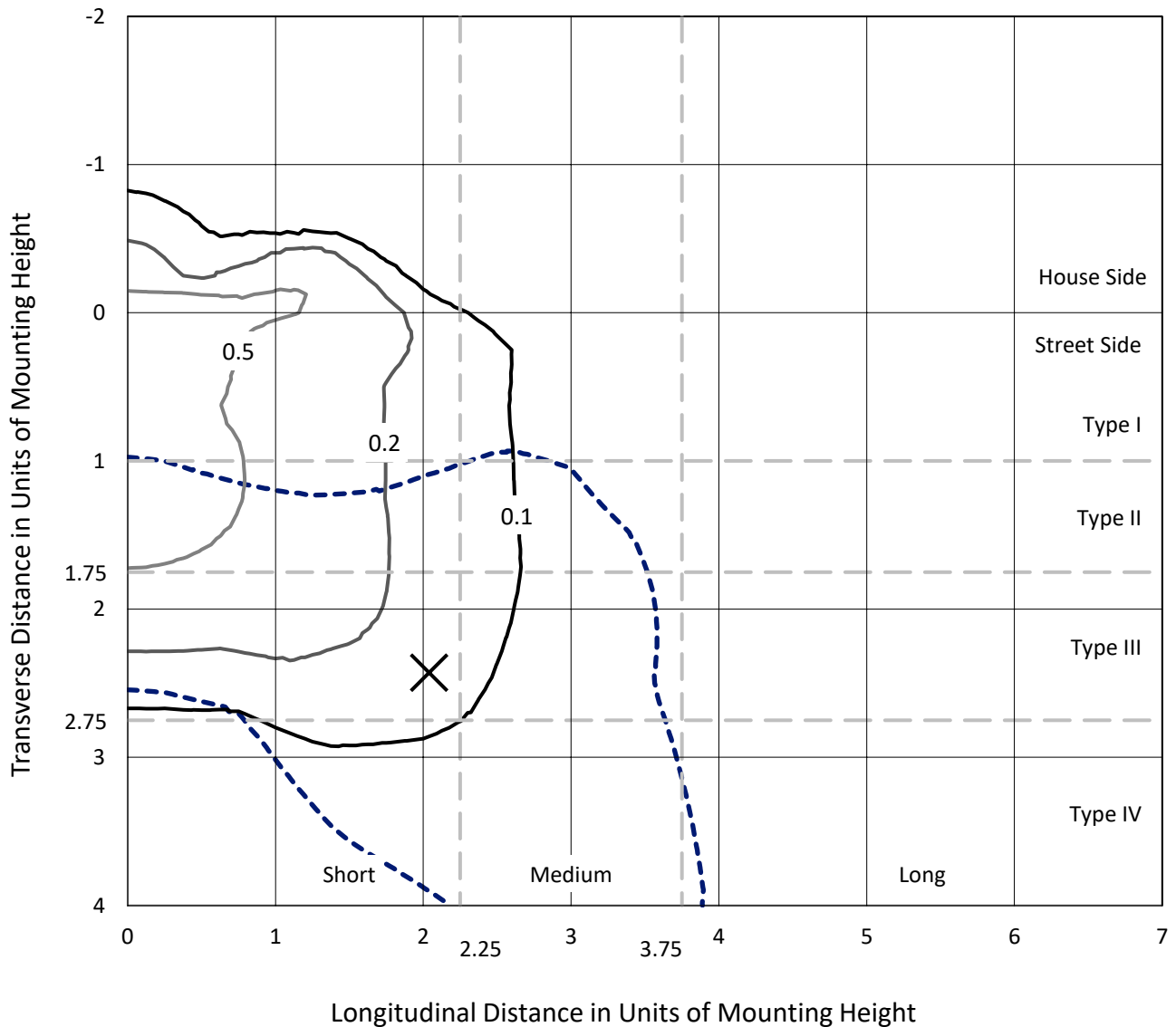
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

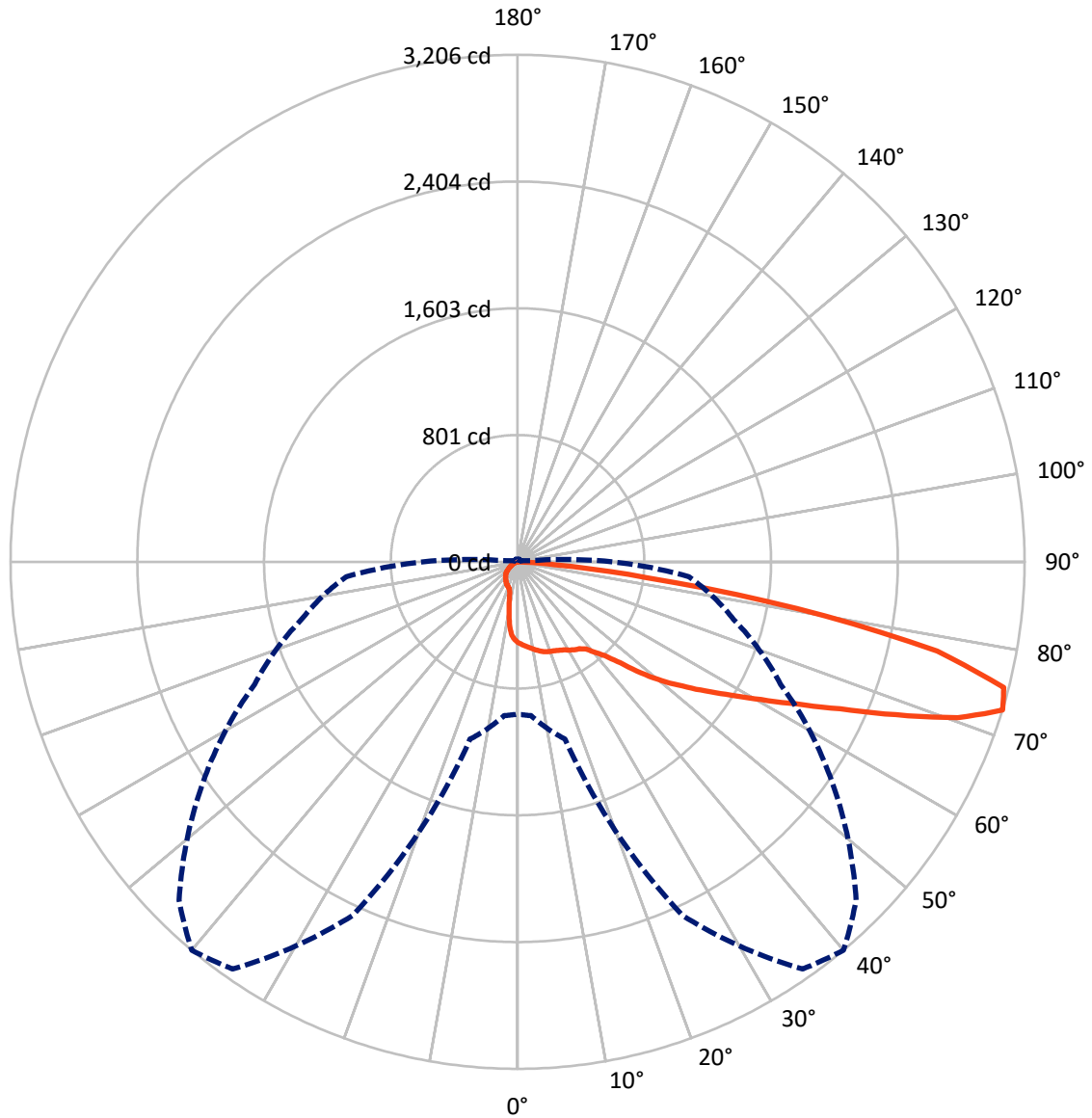
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	498.3	0.0	498.3
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	3360.6	0.0	3360.6
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	3859.0	0.0	3859.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.7	1.2
10°-20°	126.7	3.3
20°-30°	205.1	5.3
30°-40°	302.7	7.8
40°-50°	509.5	13.2
50°-60°	791.1	20.5
60°-70°	989.9	25.7
70°-80°	810.4	21.0
80°-90°	76.8	2.0
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°	3859.0	100.0
0°-180°	3859.0	100.0

**Coefficient of Utilization**



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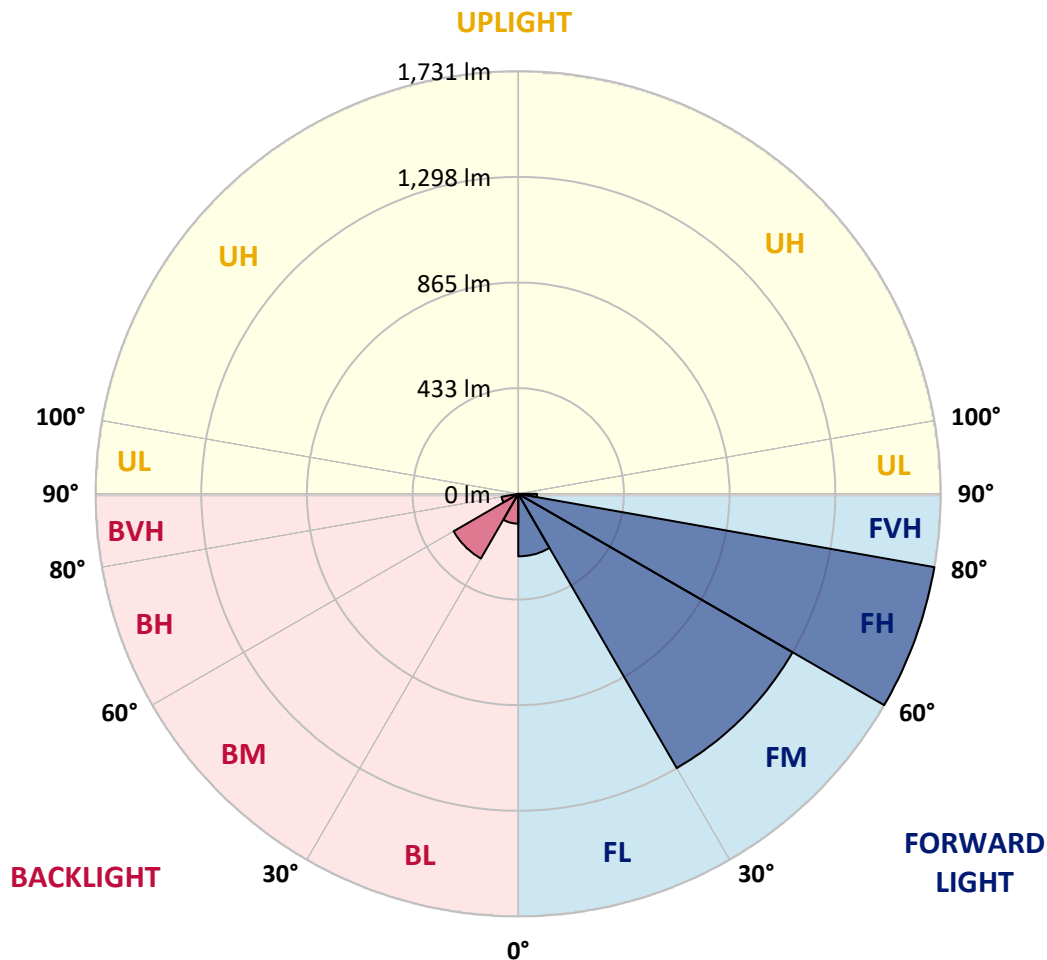
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.1	6.6			
FM (30°-60°)	1297.3	33.6			
FH (60°-80°)	1730.9	44.9			G1/1800
FVH (80°-90°)	76.3	2.0			G1/100
BL (0°-30°)	122.3	3.2	B1/500		
BM (30°-60°)	306.0	7.9	B1/1000		
BH (60°-80°)	69.4	1.8	B0/110		G0/110
BVH (80°-90°)	0.6	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-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0
2.5°	526.4	528.4	527.2	524.9	524.3	523.2	521.7	521.1	519.1	517.4
5°	541.2	543.2	541.8	538.6	537.1	535.7	533.6	531.9	527.8	524.0
7.5°	557.5	559.2	557.5	552.8	550.5	548.7	545.8	543.2	538.6	533.1
10°	575.5	576.9	574.3	568.2	564.4	561.8	559.2	556.3	551.9	545.8
12.5°	592.3	594.1	590.0	582.8	578.4	575.8	572.9	570.5	566.2	560.4
15°	607.7	610.4	603.4	595.5	590.6	588.6	585.7	584.2	581.3	577.2
17.5°	619.4	621.1	613.9	604.6	599.0	597.6	595.5	596.4	595.8	593.8
20°	629.3	630.4	620.8	609.5	603.4	603.7	603.1	606.0	607.2	607.2
22.5°	641.5	641.8	629.5	615.3	608.0	610.1	610.9	614.1	616.5	618.8
25°	657.5	656.9	642.3	622.9	616.5	619.4	621.4	622.6	625.2	629.0
27.5°	681.3	679.5	660.9	635.1	627.5	630.1	633.9	633.3	632.2	635.1
30°	711.5	709.2	684.5	652.2	645.2	647.6	648.7	643.5	635.1	637.7
32.5°	759.5	755.4	721.1	671.4	660.6	663.3	661.8	651.1	638.6	641.2
35°	842.9	833.0	784.5	711.5	678.1	675.2	671.7	661.2	645.8	643.2
37.5°	1020.2	1002.7	919.9	789.7	717.6	698.7	688.0	677.5	653.7	643.2
40°	1220.1	1202.4	1106.8	920.5	783.3	751.3	725.8	696.7	661.8	647.0
42.5°	1428.8	1409.4	1311.1	1082.7	877.2	811.5	763.8	712.1	675.2	658.6
45°	1661.9	1637.5	1509.1	1251.8	1013.5	911.5	825.2	743.8	698.4	679.2
47.5°	1907.8	1876.1	1706.4	1416.0	1160.3	1049.8	937.3	800.5	732.7	710.1
50°	2125.8	2094.4	1910.2	1587.8	1297.5	1181.5	1065.2	878.9	784.2	753.7
52.5°	2282.5	2258.6	2095.6	1765.1	1440.2	1305.0	1181.2	970.2	849.3	809.5
55°	2387.4	2365.6	2227.0	1933.1	1606.1	1441.0	1295.4	1069.3	927.8	876.3
57.5°	2451.1	2438.6	2322.0	2083.1	1770.6	1589.9	1426.2	1178.3	1020.2	955.1
60°	2473.7	2463.6	2381.0	2226.1	1969.4	1768.6	1580.0	1301.2	1132.4	1044.6
62.5°	2413.3	2415.3	2423.4	2395.5	2179.0	1977.9	1764.2	1448.9	1256.8	1146.0
65°	2128.7	2145.6	2300.2	2583.3	2456.6	2240.0	1998.8	1629.1	1399.2	1261.4
67.5°	1762.5	1786.9	1979.3	2693.2	2752.5	2580.4	2325.5	1858.7	1568.9	1378.8
70°	1349.2	1375.4	1608.5	2670.2	3029.4	2952.4	2729.5	2150.8	1744.8	1460.2
72.5°	962.9	976.3	1160.0	2465.9	3143.1	3205.9	3027.1	2427.5	1834.6	1415.2
75°	676.6	674.3	796.1	1985.7	2966.1	3175.1	2922.8	2277.8	1660.2	1124.2
77.5°	294.7	295.3	397.6	1205.9	2367.3	2711.8	2429.5	1426.8	1157.4	595.8
80°	76.4	78.8	145.9	480.2	1425.3	1789.8	1481.7	627.2	534.8	145.3
82.5°	27.0	28.8	67.1	150.8	525.8	820.8	659.8	200.5	139.5	41.6
85°	7.8	9.3	36.0	46.2	108.7	231.9	160.1	38.9	34.3	21.5
87.5°	0.0	1.2	7.3	6.4	6.4	4.4	8.1	4.4	5.5	2.6
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°
511.0	0°	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0	511.0
515.3	2.5°	513.6	511.5	507.2	502.5	498.2	494.1	492.9	488.6	486.5	486.8
519.4	5°	516.2	512.4	504.0	493.8	483.4	471.4	461.6	447.6	435.7	434.2
527.2	7.5°	523.2	517.1	503.4	483.6	457.5	424.6	394.1	363.9	346.7	337.4
538.9	10°	533.9	525.8	504.9	467.1	411.6	352.8	306.6	268.6	249.1	240.1
553.1	12.5°	546.7	537.7	507.2	438.9	352.3	275.2	225.3	202.0	197.9	197.4
570.5	15°	564.7	554.9	509.8	400.8	288.0	209.6	186.6	186.9	190.1	191.8
589.4	17.5°	584.8	574.9	506.0	354.3	224.7	179.0	178.5	181.1	185.7	187.5
606.9	20°	605.1	595.8	492.7	299.7	181.7	170.6	172.9	175.8	180.5	182.8
624.0	22.5°	626.1	617.9	471.4	241.5	163.9	164.5	167.4	170.3	175.6	178.2
640.9	25°	648.4	641.5	443.2	193.6	156.4	158.1	161.9	165.4	170.9	174.1
655.1	27.5°	671.1	665.9	411.3	161.6	149.4	151.4	155.8	160.4	166.0	169.7
667.6	30°	695.8	692.9	385.7	149.7	142.7	144.5	149.4	154.6	160.7	165.4
680.1	32.5°	721.1	720.5	373.2	158.4	136.6	137.8	142.1	147.4	154.9	160.7
690.6	35°	746.1	747.3	365.9	183.1	134.6	131.4	134.3	138.9	147.9	155.2
702.5	37.5°	778.1	781.0	365.6	209.8	139.5	125.0	127.0	130.2	138.1	146.5
721.1	40°	825.7	841.1	384.2	232.8	148.2	119.2	119.7	120.3	124.4	131.4
745.8	42.5°	889.1	934.1	451.4	248.5	151.7	113.9	111.9	108.7	108.1	111.9
779.5	45°	967.9	1046.6	569.4	257.2	148.2	108.1	102.6	94.2	91.0	93.6
825.2	47.5°	1060.6	1169.9	709.2	259.3	142.4	100.9	91.0	79.9	77.3	78.2
886.5	50°	1151.0	1262.3	832.1	242.4	132.8	91.6	78.2	68.9	67.1	67.4
958.9	52.5°	1230.9	1294.0	867.0	202.6	120.0	80.2	67.1	60.7	59.6	59.6
1038.8	55°	1283.8	1259.7	773.1	154.9	104.1	68.6	57.5	54.4	53.8	53.5
1128.0	57.5°	1294.8	1148.1	583.9	111.9	81.4	57.8	51.2	49.4	48.2	47.1
1219.6	60°	1255.3	962.1	371.7	78.2	61.0	49.4	45.3	44.2	41.9	39.5
1305.6	62.5°	1169.9	726.6	205.8	54.4	49.1	42.1	40.1	38.7	34.3	30.5
1373.9	65°	1055.1	483.1	91.0	42.4	40.1	35.5	34.3	32.3	27.0	22.7
1399.8	67.5°	939.7	278.2	41.0	34.0	32.3	29.1	28.2	26.7	23.0	18.9
1333.8	70°	808.0	141.0	28.2	27.0	25.0	22.1	23.0	22.7	18.9	15.4
1087.9	72.5°	601.6	70.0	21.2	20.3	18.0	15.7	18.9	18.6	14.8	11.6
670.8	75°	340.6	34.6	15.4	14.2	10.8	11.6	15.1	14.2	10.2	7.6
283.1	77.5°	135.2	17.7	10.2	8.7	6.4	7.8	11.0	9.6	5.2	3.2
54.1	80°	31.1	8.7	5.2	3.8	2.9	4.7	5.8	3.5	1.5	0.3
14.5	82.5°	8.7	3.8	1.7	1.5	1.5	1.7	1.5	0.6	0.0	0.0
3.8	85°	2.9	1.7	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.2	87.5°	1.2	0.6	0.0	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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511.0
486.5
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