

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: P845722

Luminaire Tested: **GLAN-SB1A-735-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845722  
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-SB1A-735-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 350mA 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: 3074 lumens  
Efficiency: N/A  
Efficacy: 99.5 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

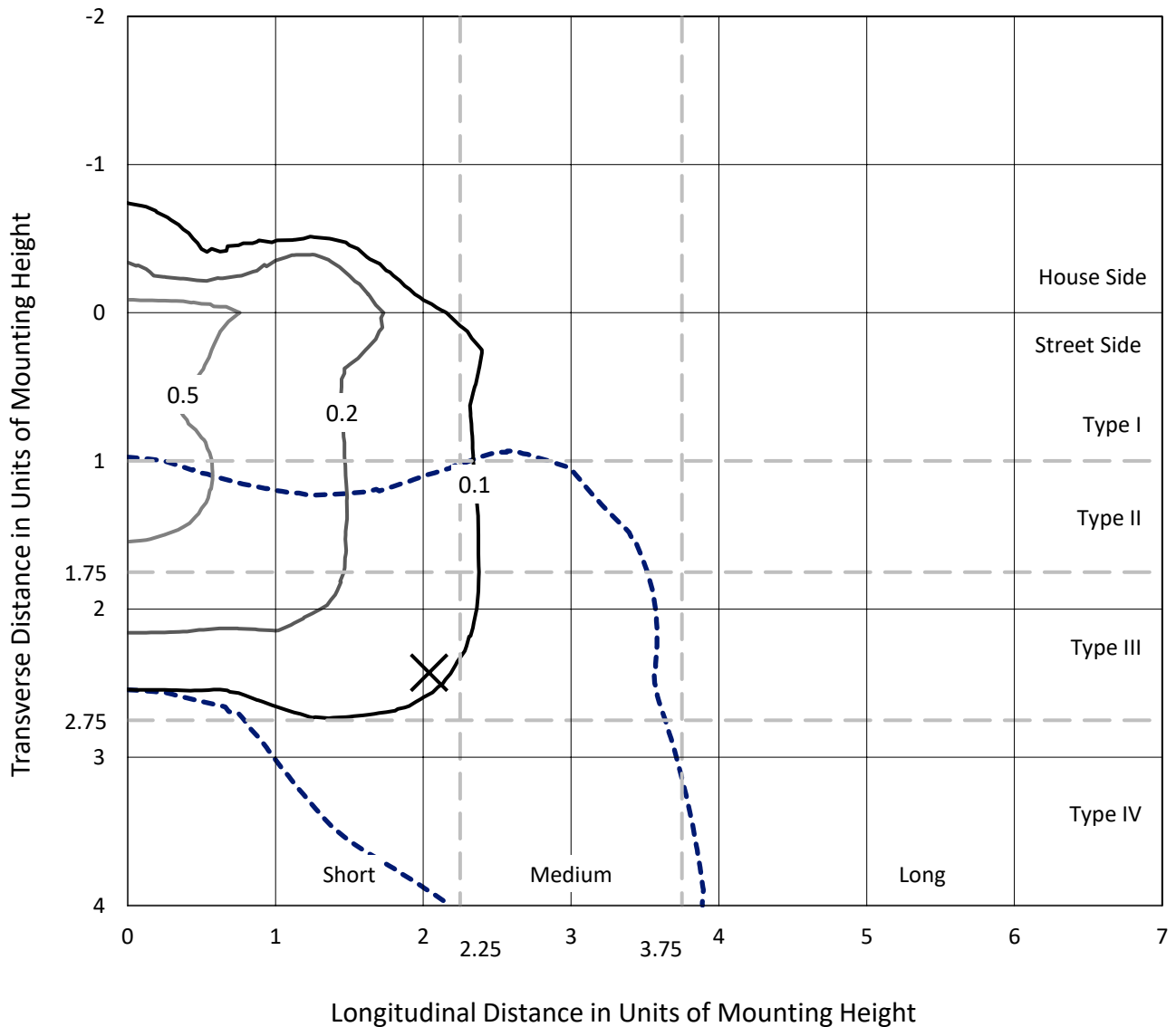
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

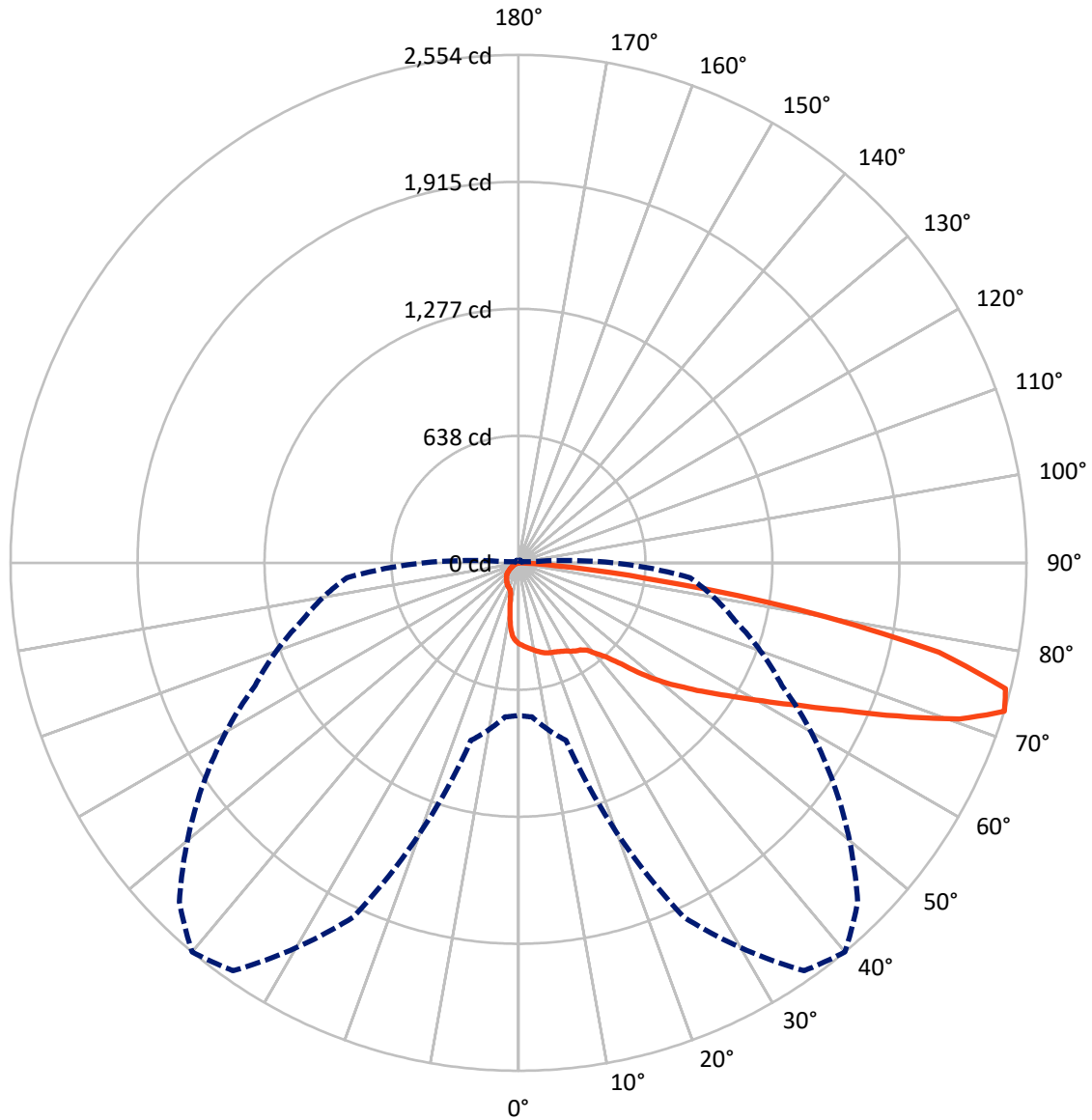
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	397.0	0.0	397.0
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2677.0	0.0	2677.0
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	3074.0	0.0	3074.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	1.2
10°-20°	100.9	3.3
20°-30°	163.3	5.3
30°-40°	241.2	7.8
40°-50°	405.9	13.2
50°-60°	630.2	20.5
60°-70°	788.5	25.7
70°-80°	645.6	21.0
80°-90°	61.2	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°	3074.0	100.0
0°-180°	3074.0	100.0

**Coefficient of Utilization**



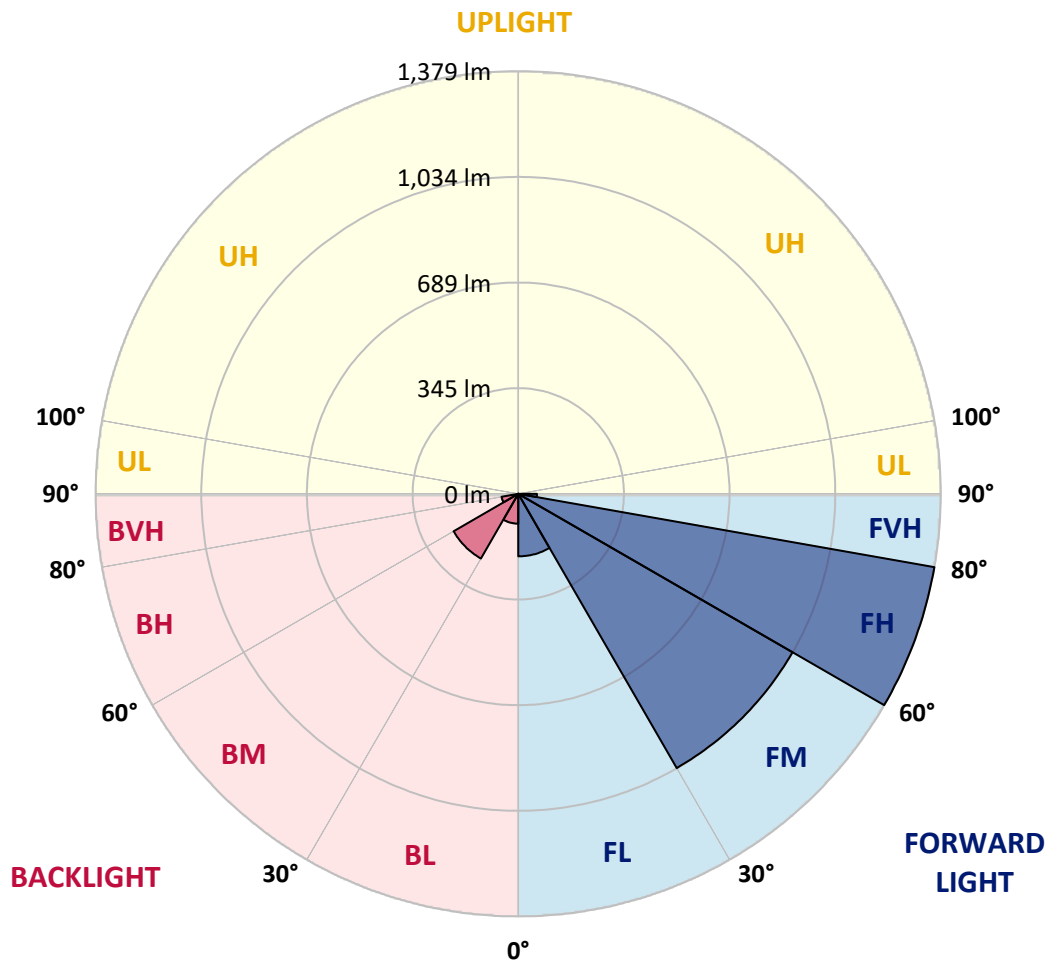
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.0	6.6			
FM (30°-60°)	1033.4	33.6			
FH (60°-80°)	1378.8	44.9			G1/1800
FVH (80°-90°)	60.7	2.0			G1/100
BL (0°-30°)	97.4	3.2	B0/110		
BM (30°-60°)	243.8	7.9	B1/1000		
BH (60°-80°)	55.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	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°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	419.3	420.9	420.0	418.1	417.7	416.7	415.6	415.1	413.5	412.1
5°	431.1	432.7	431.6	429.0	427.9	426.7	425.1	423.7	420.5	417.4
7.5°	444.1	445.5	444.1	440.4	438.5	437.1	434.8	432.7	429.0	424.6
10°	458.4	459.6	457.5	452.6	449.6	447.5	445.5	443.1	439.7	434.8
12.5°	471.8	473.2	470.0	464.2	460.7	458.7	456.3	454.5	451.0	446.4
15°	484.1	486.2	480.6	474.4	470.5	468.8	466.5	465.4	463.1	459.8
17.5°	493.4	494.8	489.0	481.6	477.2	476.0	474.4	475.1	474.6	473.0
20°	501.3	502.2	494.5	485.5	480.6	480.9	480.4	482.7	483.7	483.7
22.5°	511.0	511.2	501.5	490.1	484.4	486.0	486.7	489.2	491.1	492.9
25°	523.7	523.2	511.7	496.2	491.1	493.4	495.0	495.9	498.0	501.0
27.5°	542.7	541.3	526.5	505.9	499.9	501.9	505.0	504.5	503.6	505.9
30°	566.8	564.9	545.2	519.5	514.0	515.8	516.8	512.6	505.9	508.0
32.5°	605.0	601.7	574.4	534.8	526.3	528.3	527.2	518.6	508.7	510.7
35°	671.4	663.6	624.9	566.8	540.1	537.8	535.1	526.7	514.5	512.4
37.5°	812.7	798.8	732.8	629.1	571.6	556.6	548.0	539.7	520.7	512.4
40°	971.9	957.8	881.7	733.2	624.0	598.5	578.1	555.0	527.2	515.4
42.5°	1138.2	1122.7	1044.4	862.4	698.7	646.4	608.5	567.2	537.8	524.6
45°	1323.9	1304.4	1202.1	997.2	807.3	726.1	657.3	592.5	556.4	541.1
47.5°	1519.7	1494.5	1359.3	1128.0	924.3	836.3	746.7	637.6	583.7	565.6
50°	1693.4	1668.4	1521.6	1264.8	1033.5	941.2	848.5	700.1	624.7	600.3
52.5°	1818.2	1799.2	1669.3	1406.1	1147.2	1039.6	940.9	772.8	676.5	644.8
55°	1901.8	1884.4	1774.0	1539.9	1279.4	1147.9	1031.9	851.8	739.0	698.1
57.5°	1952.5	1942.5	1849.7	1659.3	1410.5	1266.4	1136.1	938.6	812.7	760.8
60°	1970.5	1962.4	1896.7	1773.3	1568.8	1408.8	1258.6	1036.5	902.0	832.1
62.5°	1922.4	1924.0	1930.5	1908.2	1735.7	1575.5	1405.4	1154.2	1001.1	912.9
65°	1695.7	1709.1	1832.3	2057.8	1956.9	1784.4	1592.2	1297.7	1114.6	1004.8
67.5°	1404.0	1423.4	1576.7	2145.3	2192.6	2055.5	1852.4	1480.6	1249.8	1098.4
70°	1074.7	1095.6	1281.3	2127.0	2413.2	2351.8	2174.3	1713.3	1389.8	1163.2
72.5°	767.0	777.7	924.0	1964.3	2503.7	2553.7	2411.3	1933.7	1461.4	1127.3
75°	539.0	537.1	634.1	1581.8	2362.7	2529.2	2328.2	1814.5	1322.5	895.5
77.5°	234.8	235.2	316.7	960.6	1885.8	2160.1	1935.3	1136.6	921.9	474.6
80°	60.9	62.7	116.2	382.5	1135.4	1425.7	1180.3	499.6	426.0	115.8
82.5°	21.5	22.9	53.5	120.2	418.8	653.8	525.6	159.8	111.1	33.1
85°	6.3	7.4	28.7	36.8	86.6	184.8	127.6	31.0	27.3	17.1
87.5°	0.0	0.9	5.8	5.1	5.1	3.5	6.5	3.5	4.4	2.1
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°
407.0	0°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
410.5	2.5°	409.1	407.5	404.0	400.3	396.8	393.6	392.7	389.2	387.6	387.8
413.7	5°	411.2	408.2	401.5	393.4	385.0	375.5	367.7	356.5	347.1	345.9
420.0	7.5°	416.7	411.9	401.0	385.3	364.4	338.3	313.9	289.9	276.2	268.8
429.2	10°	425.3	418.8	402.2	372.1	327.8	281.1	244.3	213.9	198.4	191.2
440.6	12.5°	435.5	428.3	404.0	349.6	280.6	219.3	179.4	160.9	157.7	157.2
454.5	15°	449.9	442.0	406.1	319.3	229.4	166.9	148.6	148.9	151.4	152.8
469.5	17.5°	465.8	458.0	403.1	282.2	179.0	142.6	142.2	144.2	147.9	149.3
483.4	20°	482.0	474.6	392.4	238.7	144.7	135.9	137.8	140.1	143.8	145.6
497.1	22.5°	498.7	492.2	375.5	192.4	130.6	131.0	133.4	135.7	139.8	141.9
510.5	25°	516.5	511.0	353.1	154.2	124.6	126.0	129.0	131.7	136.1	138.7
521.9	27.5°	534.6	530.4	327.6	128.7	119.0	120.6	124.1	127.8	132.2	135.2
531.8	30°	554.3	552.0	307.2	119.2	113.7	115.1	119.0	123.2	128.0	131.7
541.8	32.5°	574.4	574.0	297.3	126.2	108.8	109.7	113.2	117.4	123.4	128.0
550.1	35°	594.3	595.3	291.5	145.9	107.2	104.6	107.0	110.7	117.8	123.6
559.6	37.5°	619.8	622.1	291.3	167.2	111.1	99.6	101.2	103.7	110.0	116.7
574.4	40°	657.8	670.0	306.1	185.5	118.1	94.9	95.4	95.9	99.1	104.6
594.1	42.5°	708.2	744.1	359.6	198.0	120.9	90.8	89.1	86.6	86.1	89.1
621.0	45°	771.0	833.7	453.6	204.9	118.1	86.1	81.7	75.0	72.5	74.6
657.3	47.5°	844.8	931.9	564.9	206.5	113.4	80.3	72.5	63.7	61.6	62.3
706.2	50°	916.8	1005.5	662.9	193.1	105.8	72.9	62.3	54.9	53.5	53.7
763.8	52.5°	980.5	1030.8	690.6	161.4	95.6	63.9	53.5	48.4	47.5	47.5
827.5	55°	1022.6	1003.4	615.9	123.4	82.9	54.6	45.8	43.3	42.8	42.6
898.6	57.5°	1031.4	914.5	465.1	89.1	64.8	46.1	40.7	39.4	38.4	37.5
971.5	60°	1000.0	766.4	296.1	62.3	48.6	39.4	36.1	35.2	33.3	31.5
1040.0	62.5°	931.9	578.8	163.9	43.3	39.1	33.6	32.0	30.8	27.3	24.3
1094.4	65°	840.4	384.8	72.5	33.8	32.0	28.2	27.3	25.7	21.5	18.1
1115.0	67.5°	748.5	221.6	32.6	27.1	25.7	23.2	22.5	21.3	18.3	15.0
1062.5	70°	643.6	112.3	22.5	21.5	19.9	17.6	18.3	18.1	15.0	12.3
866.6	72.5°	479.3	55.8	16.9	16.2	14.4	12.5	15.0	14.8	11.8	9.3
534.4	75°	271.3	27.6	12.3	11.3	8.6	9.3	12.0	11.3	8.1	6.0
225.5	77.5°	107.7	14.1	8.1	6.9	5.1	6.3	8.8	7.6	4.2	2.5
43.1	80°	24.8	6.9	4.2	3.0	2.3	3.7	4.6	2.8	1.2	0.2
11.6	82.5°	6.9	3.0	1.4	1.2	1.2	1.4	1.2	0.5	0.0	0.0
3.0	85°	2.3	1.4	0.5	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.9	87.5°	0.9	0.5	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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407.0
387.6
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