

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: P852208

Luminaire Tested: **GLAN-SB2A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4374 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

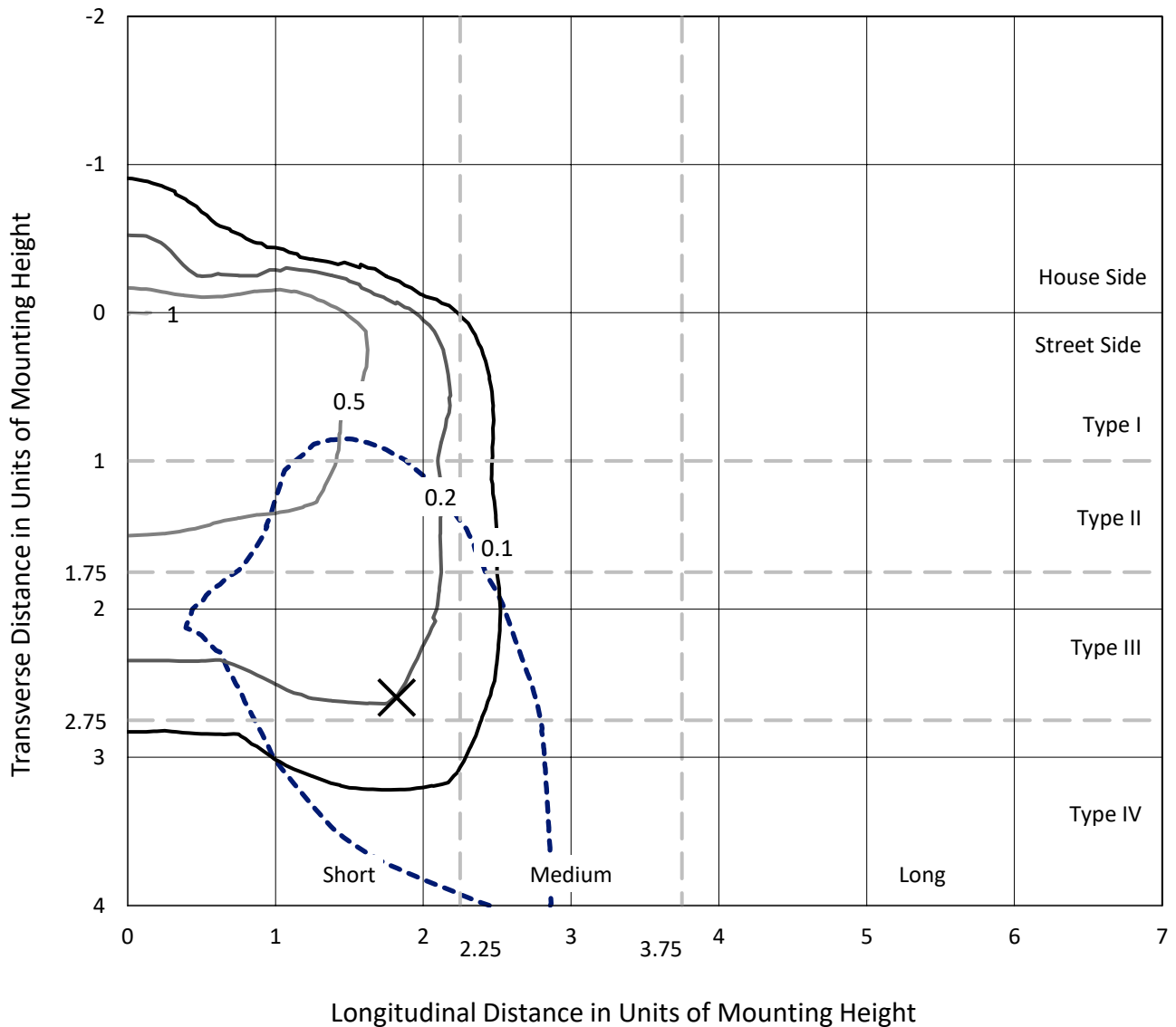
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

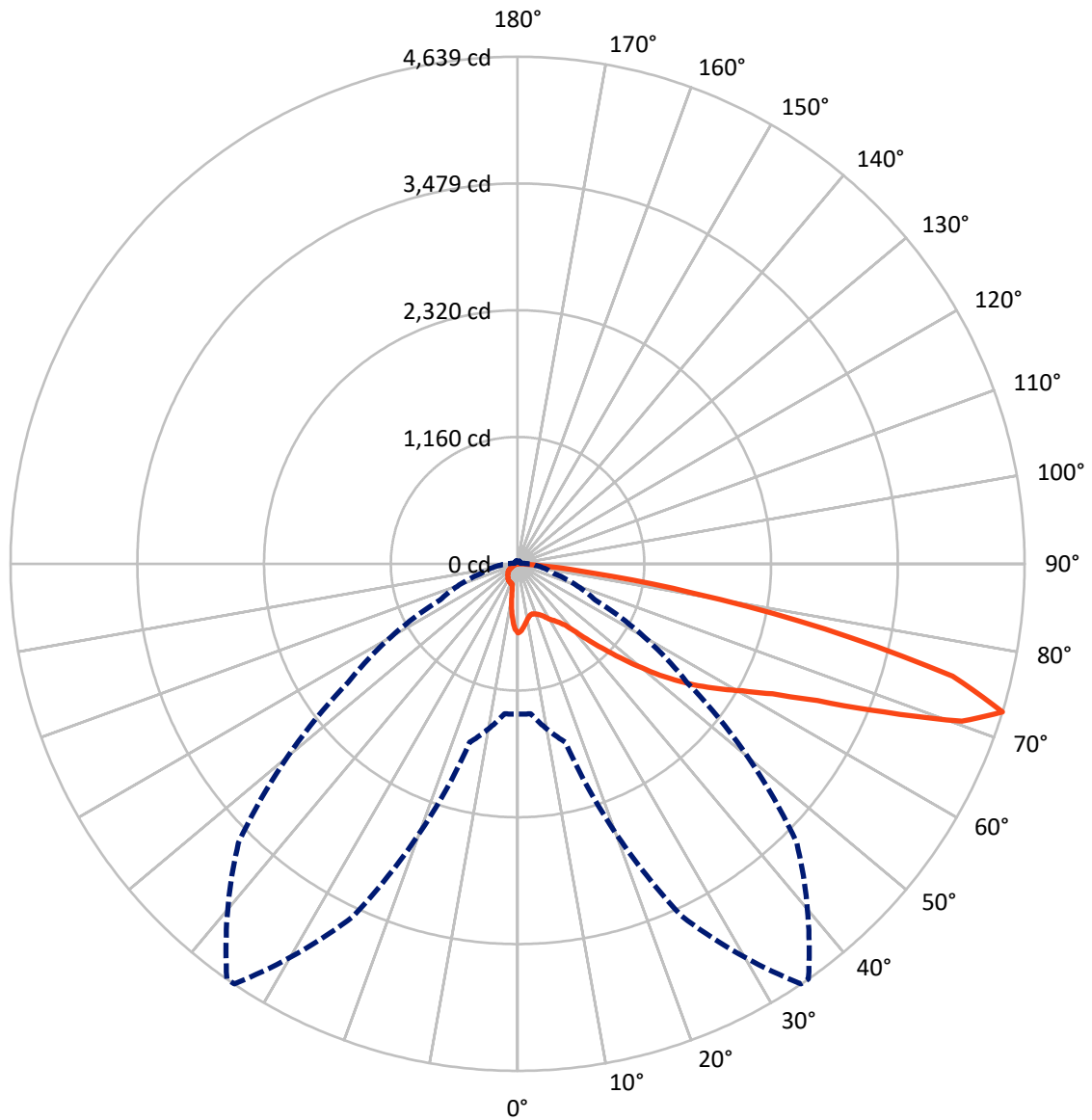
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	492.3	0.0	492.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	3881.7	0.0	3881.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	4374.0	0.0	4374.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	1.2
10°-20°	121.9	2.8
20°-30°	198.0	4.5
30°-40°	330.3	7.6
40°-50°	624.9	14.3
50°-60°	993.0	22.7
60°-70°	1228.5	28.1
70°-80°	763.6	17.5
80°-90°	61.7	1.4
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°	4374.0	100.0
0°-180°	4374.0	100.0

**Coefficient of Utilization**



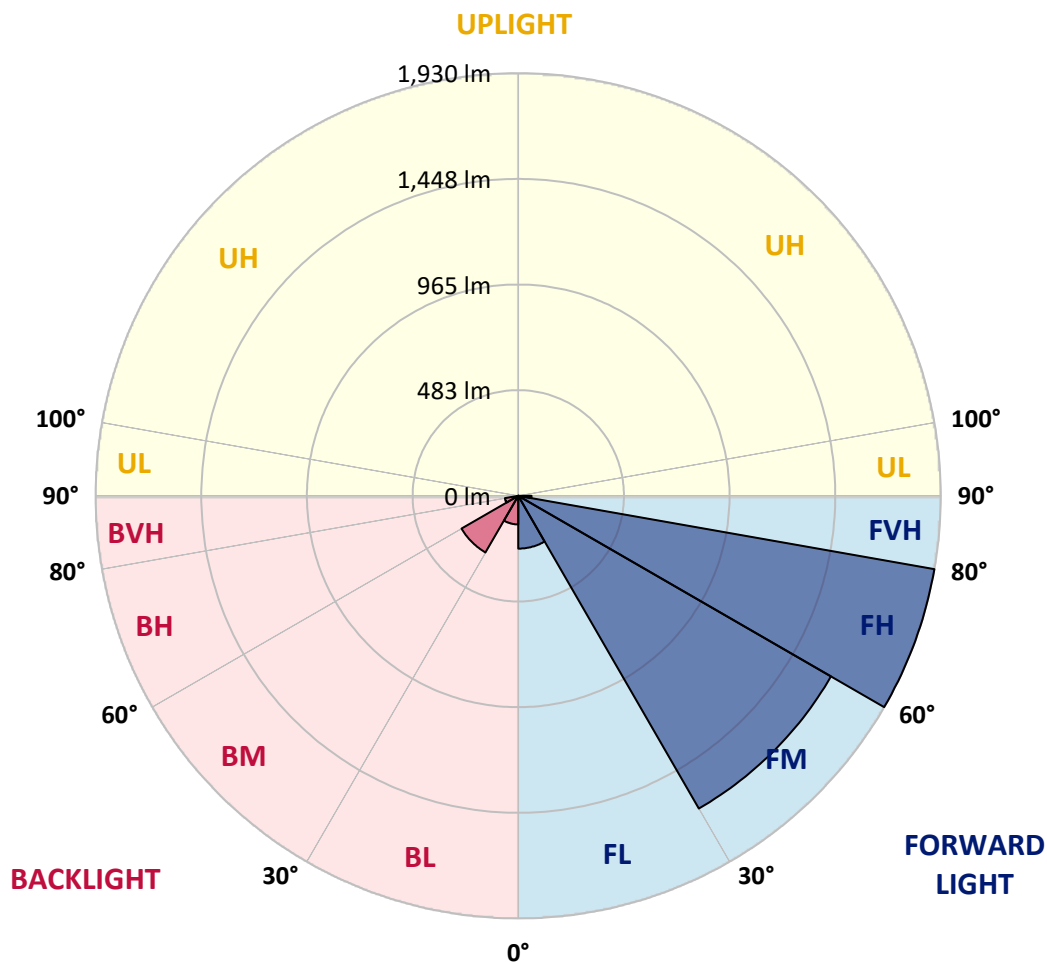
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.1	5.5			
FM	(30°-60°)	1649.4	37.7			
FH	(60°-80°)	1930.3	44.1			G2/5000
FVH	(80°-90°)	60.9	1.4			G1/100
BL	(0°-30°)	130.8	3.0	B1/500		
BM	(30°-60°)	298.9	6.8	B1/1000		
BH	(60°-80°)	61.8	1.4	B0/110		G0/110
BVH	(80°-90°)	0.8	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9
2.5°	605.7	610.9	611.8	613.4	613.4	615.4	618.6	623.0	630.4	634.3
5°	558.3	562.1	567.0	570.8	578.2	579.1	591.6	603.8	620.8	633.6
7.5°	510.5	515.0	521.4	530.7	540.4	543.2	562.1	582.7	609.6	633.6
10°	476.9	477.2	483.0	492.3	507.7	511.2	534.3	563.4	597.1	629.8
12.5°	458.0	460.2	462.8	469.8	484.6	486.8	511.5	545.8	584.6	627.5
15°	458.0	459.6	461.2	464.7	476.6	478.5	500.3	534.6	578.2	628.5
17.5°	462.8	465.4	464.1	468.2	480.7	482.0	501.3	531.4	577.9	634.6
20°	474.3	476.3	473.7	476.3	488.8	491.3	511.2	537.5	583.3	645.2
22.5°	492.6	493.6	487.5	489.4	502.2	505.4	528.5	554.8	596.4	662.1
25°	515.7	517.6	508.3	510.5	522.7	526.6	553.2	580.7	617.3	685.5
27.5°	542.3	543.2	535.2	534.9	550.6	556.1	583.0	612.8	645.2	715.0
30°	572.7	575.6	567.9	566.6	586.5	591.0	617.6	652.2	686.2	759.3
32.5°	596.8	599.0	594.5	597.7	617.9	621.4	659.6	708.0	750.6	822.1
35°	631.4	632.7	622.4	628.2	651.2	660.2	716.9	786.2	831.7	900.9
37.5°	756.7	756.7	713.1	684.6	706.7	714.7	795.5	884.6	931.7	1006.7
40°	930.1	927.2	863.4	805.1	802.2	817.9	907.3	1008.6	1060.8	1133.6
42.5°	1115.0	1110.5	1023.7	966.0	956.4	961.8	1036.5	1161.5	1214.7	1288.4
45°	1279.1	1277.8	1198.3	1120.8	1103.5	1120.8	1197.7	1340.3	1378.4	1456.0
47.5°	1416.6	1416.6	1358.6	1307.9	1299.0	1309.2	1415.9	1538.7	1535.2	1634.5
50°	1574.9	1573.6	1518.5	1496.7	1506.0	1520.4	1667.2	1747.7	1697.3	1809.8
52.5°	1685.8	1693.5	1674.6	1671.1	1718.5	1743.5	1922.3	1952.1	1842.5	1976.2
55°	1773.6	1782.6	1804.4	1829.1	1920.4	1953.1	2169.4	2146.0	1964.0	2120.4
57.5°	1898.0	1885.2	1918.8	1967.5	2115.3	2154.7	2408.8	2329.0	2061.7	2237.4
60°	2048.9	2050.8	2056.6	2118.2	2309.8	2360.4	2644.7	2502.1	2124.6	2309.2
62.5°	2230.3	2233.2	2245.1	2339.6	2571.0	2618.8	2896.0	2643.8	2153.4	2289.0
65°	2217.8	2230.0	2362.4	2685.7	2968.1	3015.2	3189.2	2743.1	2109.8	2104.4
67.5°	2020.4	2040.3	2261.7	3099.2	3566.8	3619.4	3543.7	2762.7	1921.7	1636.4
70°	1761.4	1768.5	2034.8	3471.0	4260.0	4313.2	3861.0	2547.6	1458.3	912.8
72.5°	1375.6	1377.2	1689.7	3557.2	4636.3	4639.2	3612.0	1891.2	784.3	350.6
75°	982.6	973.0	1131.7	2884.8	4078.9	4111.6	2707.9	887.1	299.7	165.7
77.5°	526.9	537.5	640.3	1710.8	2817.8	2873.6	1477.5	255.8	152.6	112.8
80°	162.8	171.8	262.5	783.3	1596.1	1629.7	547.7	113.8	106.4	80.4
82.5°	51.3	53.2	122.4	329.1	662.5	677.8	158.6	64.4	72.8	53.2
85°	14.7	15.1	54.5	122.7	163.8	167.0	44.5	25.0	41.7	33.0
87.5°	1.6	5.1	20.5	20.5	14.4	14.1	4.8	5.4	11.9	4.2
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°
633.9	0°	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9
636.8	2.5°	635.2	635.5	631.4	624.3	616.6	610.2	602.2	595.8	591.3	590.0
642.6	5°	639.7	637.5	625.6	604.1	578.5	556.4	531.7	512.2	499.3	493.9
648.7	7.5°	646.4	640.0	614.1	571.8	522.7	479.1	434.9	400.6	378.8	367.9
654.5	10°	652.2	639.4	594.8	525.0	450.0	384.0	324.3	283.0	259.9	249.0
661.2	12.5°	657.7	639.1	569.8	469.5	367.9	287.2	231.7	211.2	204.8	202.6
672.1	15°	667.9	640.0	538.4	406.1	286.2	217.0	196.8	196.5	197.7	197.1
688.7	17.5°	682.0	641.0	502.9	338.8	220.8	191.3	190.4	193.3	195.2	194.2
709.6	20°	700.3	644.8	465.0	272.1	189.7	184.9	187.2	189.7	191.3	189.7
737.5	22.5°	725.9	651.6	423.7	218.6	179.8	181.1	183.0	185.9	187.5	185.2
773.0	25°	757.3	662.1	383.0	190.1	175.0	176.6	179.5	182.7	184.6	182.4
817.9	27.5°	798.0	679.1	345.5	183.6	170.2	171.1	175.3	180.1	182.7	179.8
881.7	30°	857.0	707.0	313.1	186.5	167.3	165.1	170.8	177.6	180.4	177.9
968.5	32.5°	935.2	746.4	293.3	191.0	166.0	158.0	163.5	172.1	176.9	175.3
1082.0	35°	1037.8	806.4	285.6	196.1	165.1	150.6	154.5	163.8	172.1	173.7
1224.9	37.5°	1162.1	889.7	287.8	198.4	162.2	144.5	146.5	154.5	165.4	170.5
1385.8	40°	1303.5	986.8	300.6	196.1	159.0	139.4	139.7	145.8	155.4	163.1
1558.9	42.5°	1449.3	1100.3	324.3	187.8	156.1	134.9	134.0	138.1	144.5	150.0
1731.6	45°	1588.1	1216.9	347.7	176.3	152.6	130.4	128.2	129.8	131.1	133.3
1899.9	47.5°	1709.2	1299.0	341.0	165.7	147.7	125.3	121.5	120.8	117.0	116.7
2050.2	50°	1792.8	1316.9	302.9	155.1	140.7	119.5	113.5	109.6	102.9	99.7
2162.7	52.5°	1819.5	1246.1	247.4	144.5	129.2	111.9	103.2	97.1	88.8	85.9
2227.4	55°	1784.2	1107.3	197.7	131.7	113.1	101.6	92.0	84.0	77.2	73.7
2234.5	57.5°	1698.0	930.7	156.4	116.7	96.1	90.1	80.4	72.4	66.7	63.1
2156.3	60°	1555.0	739.1	123.7	98.7	82.0	77.6	67.6	62.5	57.4	53.2
1954.4	62.5°	1338.1	527.5	97.1	78.2	68.6	63.5	57.7	53.8	47.8	42.0
1591.3	65°	1044.2	322.7	75.0	57.4	55.1	52.6	49.0	45.5	38.1	32.4
1038.1	67.5°	658.6	152.9	53.5	43.3	43.6	42.3	40.7	37.8	32.4	27.2
465.0	70°	290.0	74.0	35.3	33.0	32.4	32.4	33.7	32.7	27.6	22.8
161.5	72.5°	98.7	39.7	26.3	25.0	23.4	23.1	28.2	27.2	22.1	17.6
80.4	75°	51.6	26.6	19.2	17.9	14.1	17.0	22.4	21.2	15.7	11.5
53.2	77.5°	33.7	18.9	13.1	11.5	8.0	11.2	16.7	14.7	9.3	5.8
34.9	80°	21.2	12.5	7.7	5.4	3.8	6.1	9.0	6.4	3.5	1.3
20.5	82.5°	11.2	6.4	2.9	1.9	1.6	1.9	2.2	1.6	0.6	0.0
10.6	85°	4.5	2.2	1.0	0.6	0.3	0.0	0.6	0.3	0.0	0.0
1.9	87.5°	1.6	0.3	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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633.9
592.3
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85.6
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