

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: P852116

Luminaire Tested: **GLAN-SB1C-722-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852116  
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-SB1C-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4436 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

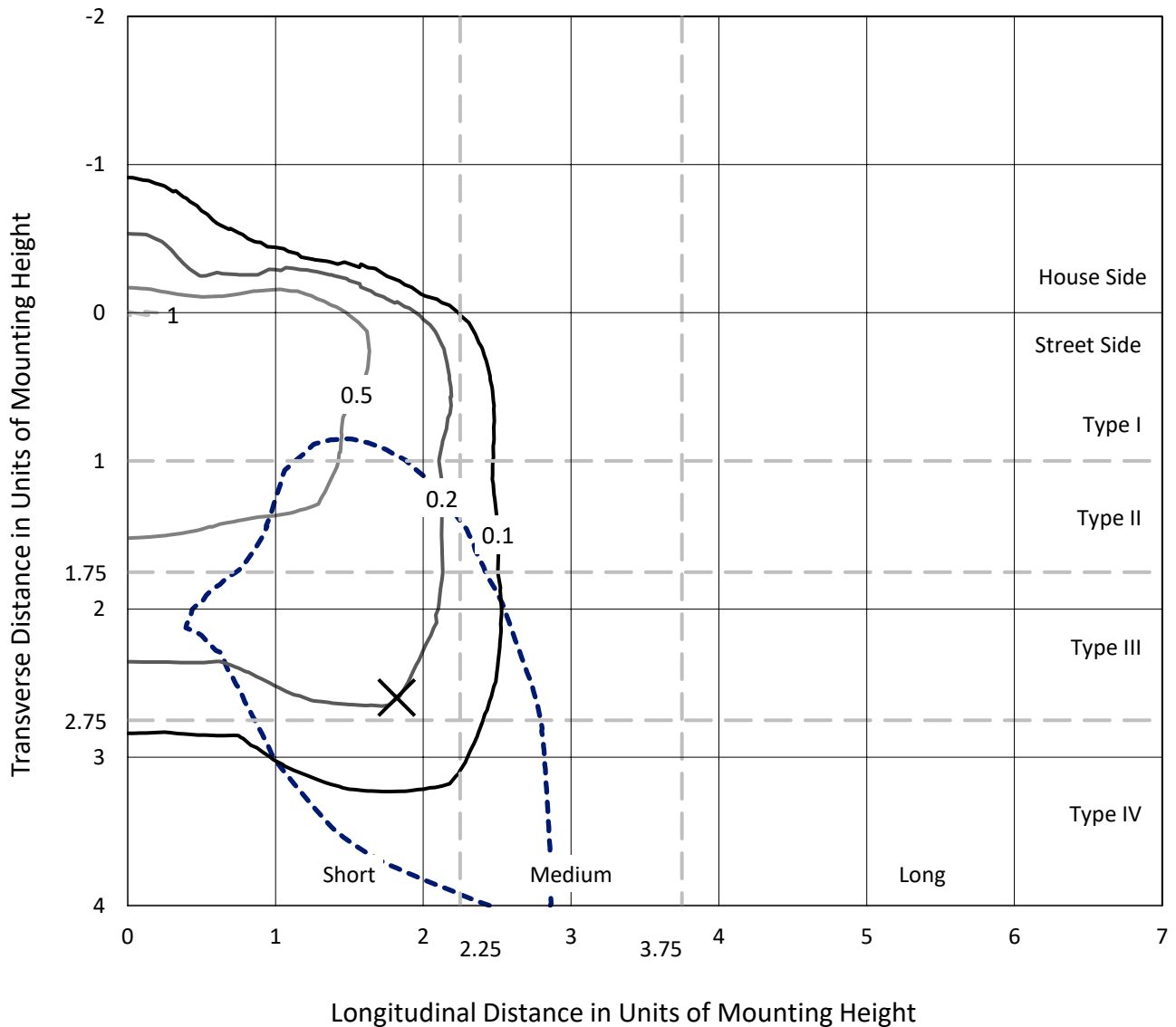
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

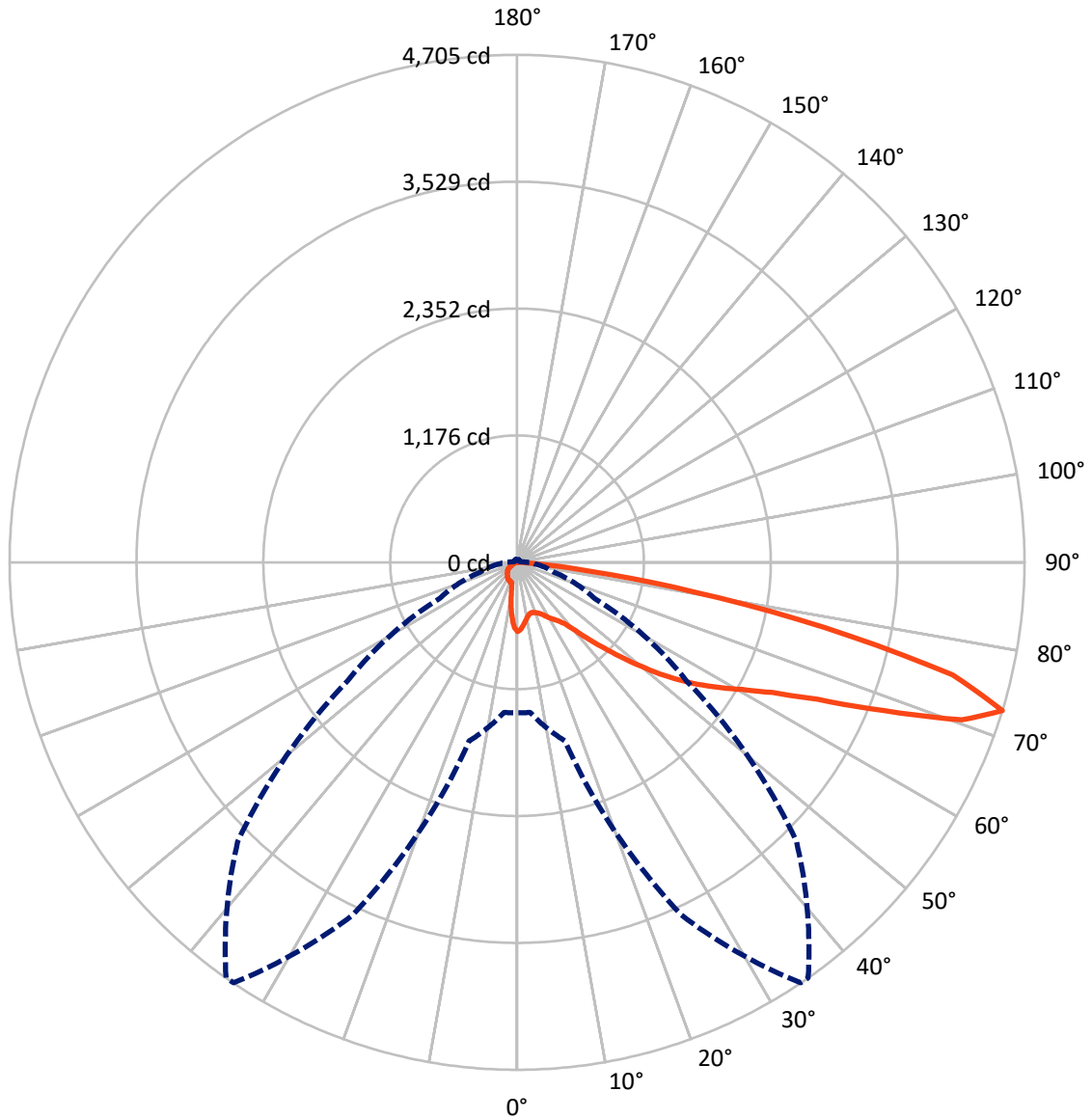
× Max cd  
 - - - 1/2 Max cd



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	499.3	0.0	499.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	3936.8	0.0	3936.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	4436.0	0.0	4436.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.8	1.2
10°-20°	123.6	2.8
20°-30°	200.8	4.5
30°-40°	335.0	7.6
40°-50°	633.8	14.3
50°-60°	1007.1	22.7
60°-70°	1245.9	28.1
70°-80°	774.4	17.5
80°-90°	62.6	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°	4436.0	100.0
0°-180°	4436.0	100.0

**Coefficient of Utilization**



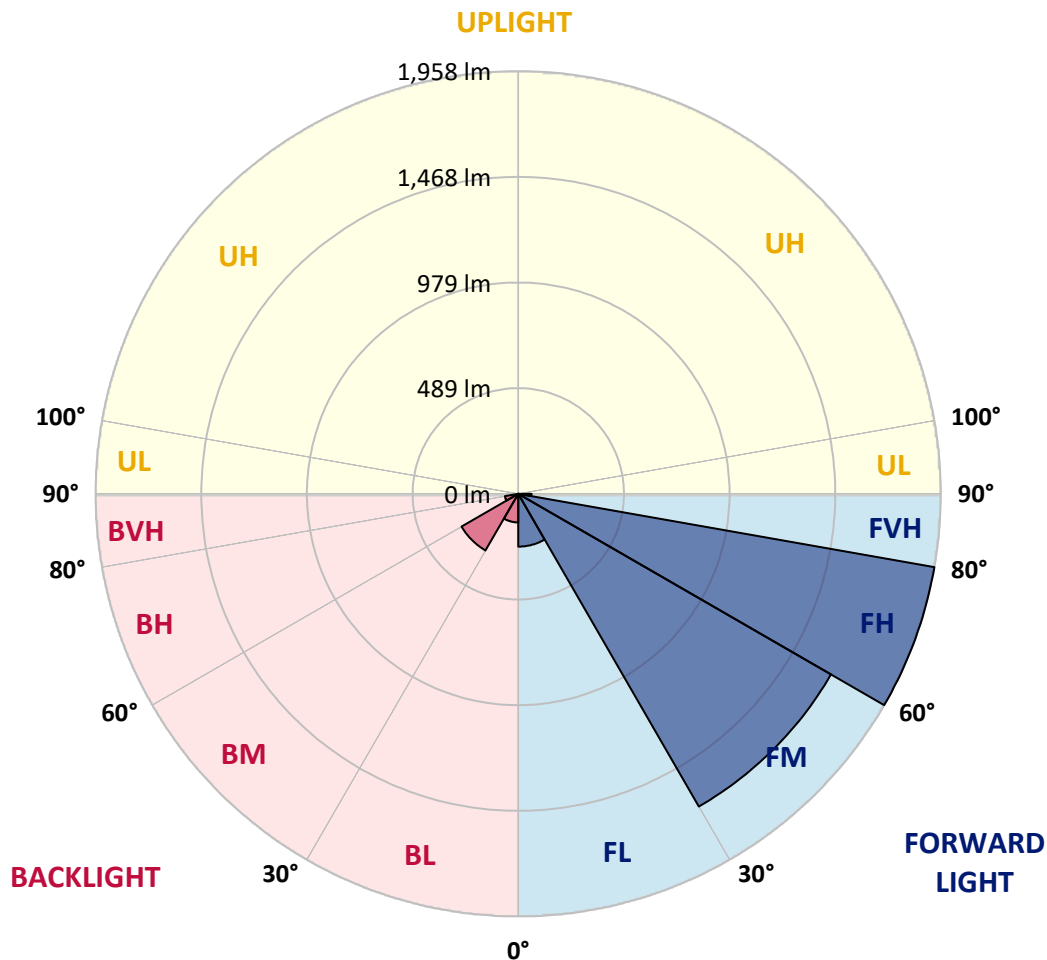
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.5	5.5			
FM (30°-60°)	1672.8	37.7			
FH (60°-80°)	1957.7	44.1			G2/5000
FVH (80°-90°)	61.7	1.4			G1/100
BL (0°-30°)	132.7	3.0	B1/500		
BM (30°-60°)	303.1	6.8	B1/1000		
BH (60°-80°)	62.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9
2.5°	614.3	619.5	620.5	622.1	622.1	624.1	627.3	631.9	639.3	643.3
5°	566.2	570.1	575.0	578.9	586.4	587.3	600.0	612.4	629.6	642.6
7.5°	517.8	522.3	528.8	538.3	548.0	550.9	570.1	590.9	618.2	642.6
10°	483.7	484.0	489.8	499.3	514.9	518.4	541.8	571.4	605.5	638.7
12.5°	464.5	466.8	469.4	476.5	491.5	493.7	518.8	553.5	592.9	636.4
15°	464.5	466.1	467.7	471.3	483.3	485.3	507.4	542.2	586.4	637.4
17.5°	469.4	472.0	470.7	474.9	487.6	488.9	508.4	538.9	586.0	643.6
20°	481.1	483.0	480.4	483.0	495.7	498.3	518.4	545.1	591.6	654.3
22.5°	499.6	500.6	494.4	496.3	509.3	512.6	536.0	562.6	604.9	671.5
25°	523.0	524.9	515.5	517.8	530.1	534.0	561.0	589.0	626.0	695.3
27.5°	550.0	550.9	542.8	542.5	558.4	563.9	591.2	621.5	654.3	725.2
30°	580.8	583.8	576.0	574.7	594.8	599.4	626.3	661.5	695.9	770.0
32.5°	605.2	607.5	602.9	606.2	626.7	630.2	668.9	718.0	761.2	833.7
35°	640.3	641.6	631.2	637.1	660.5	669.6	727.1	797.3	843.5	913.7
37.5°	767.4	767.4	723.2	694.3	716.7	724.8	806.7	897.1	944.9	1020.9
40°	943.3	940.3	875.7	816.5	813.6	829.5	920.2	1022.9	1075.9	1149.7
42.5°	1130.8	1126.3	1038.2	979.7	969.9	975.4	1051.2	1177.9	1231.9	1306.7
45°	1297.2	1295.9	1215.3	1136.7	1119.1	1136.7	1214.7	1359.3	1398.0	1476.6
47.5°	1436.7	1436.7	1377.8	1326.5	1317.4	1327.8	1436.0	1560.5	1556.9	1657.7
50°	1597.2	1595.9	1540.0	1517.9	1527.4	1542.0	1690.8	1772.4	1721.4	1835.5
52.5°	1709.7	1717.5	1698.3	1694.7	1742.9	1768.2	1949.6	1979.8	1868.6	2004.2
55°	1798.8	1807.9	1830.0	1855.0	1947.6	1980.8	2200.2	2176.5	1991.8	2150.5
57.5°	1924.9	1911.9	1946.0	1995.4	2145.3	2185.2	2443.0	2362.1	2091.0	2269.1
60°	2078.0	2079.9	2085.8	2148.2	2342.5	2393.9	2682.2	2537.6	2154.7	2341.9
62.5°	2261.9	2264.9	2276.9	2372.8	2607.5	2655.9	2937.0	2681.2	2183.9	2321.4
65°	2249.3	2261.6	2395.9	2723.8	3010.2	3058.0	3234.5	2782.0	2139.7	2134.2
67.5°	2049.0	2069.2	2293.8	3143.1	3617.3	3670.7	3593.9	2801.8	1948.9	1659.6
70°	1786.4	1793.6	2063.7	3520.2	4320.4	4374.4	3915.7	2583.7	1478.9	925.7
72.5°	1395.1	1396.7	1713.6	3607.6	4702.0	4704.9	3663.2	1918.0	795.4	355.6
75°	996.6	986.8	1147.7	2925.7	4136.8	4169.9	2746.2	899.7	303.9	168.0
77.5°	534.4	545.1	649.4	1735.1	2857.7	2914.3	1498.4	259.4	154.7	114.4
80°	165.1	174.2	266.2	794.4	1618.7	1652.8	555.5	115.4	107.9	81.6
82.5°	52.0	54.0	124.2	333.8	671.9	687.5	160.9	65.3	73.8	54.0
85°	15.0	15.3	55.3	124.5	166.1	169.3	45.2	25.4	42.3	33.5
87.5°	1.6	5.2	20.8	20.8	14.6	14.3	4.9	5.5	12.0	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°
642.9	0°	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9
645.9	2.5°	644.2	644.6	640.3	633.2	625.4	618.9	610.7	604.2	599.7	598.4
651.7	5°	648.8	646.5	634.5	612.7	586.7	564.3	539.2	519.4	506.4	500.9
657.9	7.5°	655.6	649.1	622.8	579.9	530.1	485.9	441.1	406.3	384.2	373.1
663.7	10°	661.5	648.5	603.3	532.4	456.4	389.4	328.9	287.0	263.6	252.6
670.6	12.5°	667.0	648.1	577.9	476.2	373.1	291.2	235.0	214.2	207.7	205.4
681.6	15°	677.4	649.1	546.1	411.8	290.3	220.1	199.6	199.2	200.5	199.9
698.5	17.5°	691.7	650.1	510.0	343.6	224.0	194.0	193.1	196.0	197.9	197.0
719.6	20°	710.2	654.0	471.6	276.0	192.4	187.5	189.8	192.4	194.0	192.4
747.9	22.5°	736.2	660.8	429.7	221.7	182.3	183.6	185.6	188.5	190.1	187.9
784.0	25°	768.1	671.5	388.4	192.7	177.5	179.1	182.0	185.3	187.2	184.9
829.5	27.5°	809.3	688.8	350.4	186.2	172.6	173.6	177.8	182.7	185.3	182.3
894.2	30°	869.2	717.0	317.6	189.2	169.7	167.4	173.2	180.1	183.0	180.4
982.3	32.5°	948.5	757.0	297.4	193.7	168.4	160.2	165.8	174.5	179.4	177.8
1097.3	35°	1052.5	817.8	289.6	198.9	167.4	152.8	156.7	166.1	174.5	176.2
1242.3	37.5°	1178.6	902.3	291.9	201.2	164.5	146.6	148.5	156.7	167.7	172.9
1405.5	40°	1321.9	1000.8	304.9	198.9	161.2	141.4	141.7	147.9	157.6	165.4
1581.0	42.5°	1469.8	1115.9	328.9	190.5	158.3	136.8	135.9	140.1	146.6	152.1
1756.2	45°	1610.6	1234.2	352.7	178.8	154.7	132.3	130.0	131.6	132.9	135.2
1926.8	47.5°	1733.4	1317.4	345.8	168.0	149.8	127.1	123.2	122.5	118.6	118.3
2079.3	50°	1818.3	1335.6	307.2	157.3	142.7	121.2	115.1	111.2	104.3	101.1
2193.4	52.5°	1845.2	1263.7	250.9	146.6	131.0	113.4	104.7	98.5	90.0	87.1
2259.0	55°	1809.5	1123.0	200.5	133.6	114.7	103.0	93.3	85.2	78.3	74.8
2266.2	57.5°	1722.1	943.9	158.6	118.3	97.5	91.3	81.6	73.5	67.6	64.0
2186.9	60°	1577.1	749.5	125.5	100.1	83.2	78.7	68.6	63.4	58.2	54.0
1982.1	62.5°	1357.0	535.0	98.5	79.3	69.6	64.4	58.5	54.6	48.4	42.6
1613.8	65°	1059.0	327.3	76.1	58.2	55.9	53.3	49.7	46.2	38.7	32.8
1052.8	67.5°	668.0	155.0	54.3	43.9	44.2	42.9	41.3	38.4	32.8	27.6
471.6	70°	294.2	75.1	35.8	33.5	32.8	32.8	34.1	33.2	28.0	23.1
163.8	72.5°	100.1	40.3	26.7	25.4	23.7	23.4	28.6	27.6	22.4	17.9
81.6	75°	52.3	27.0	19.5	18.2	14.3	17.2	22.8	21.5	15.9	11.7
54.0	77.5°	34.1	19.2	13.3	11.7	8.1	11.4	16.9	15.0	9.4	5.9
35.4	80°	21.5	12.7	7.8	5.5	3.9	6.2	9.1	6.5	3.6	1.3
20.8	82.5°	11.4	6.5	2.9	2.0	1.6	2.0	2.3	1.6	0.7	0.0
10.7	85°	4.6	2.3	1.0	0.7	0.3	0.0	0.7	0.3	0.0	0.0
2.0	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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642.9
600.7
502.8
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180.1
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