

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: P852184

Luminaire Tested: **GLAN-SB2A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852184
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-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 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: 5311 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

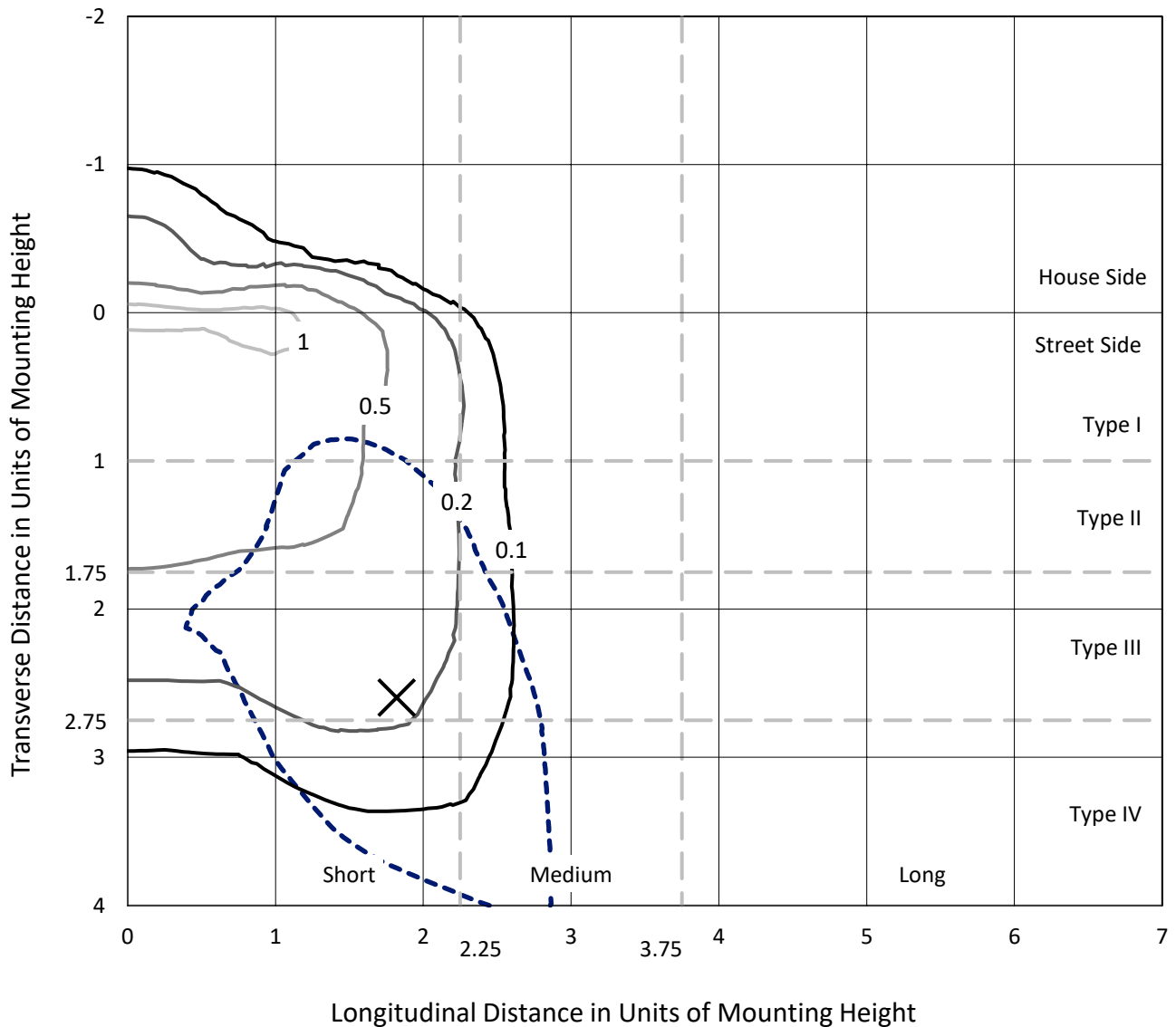
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

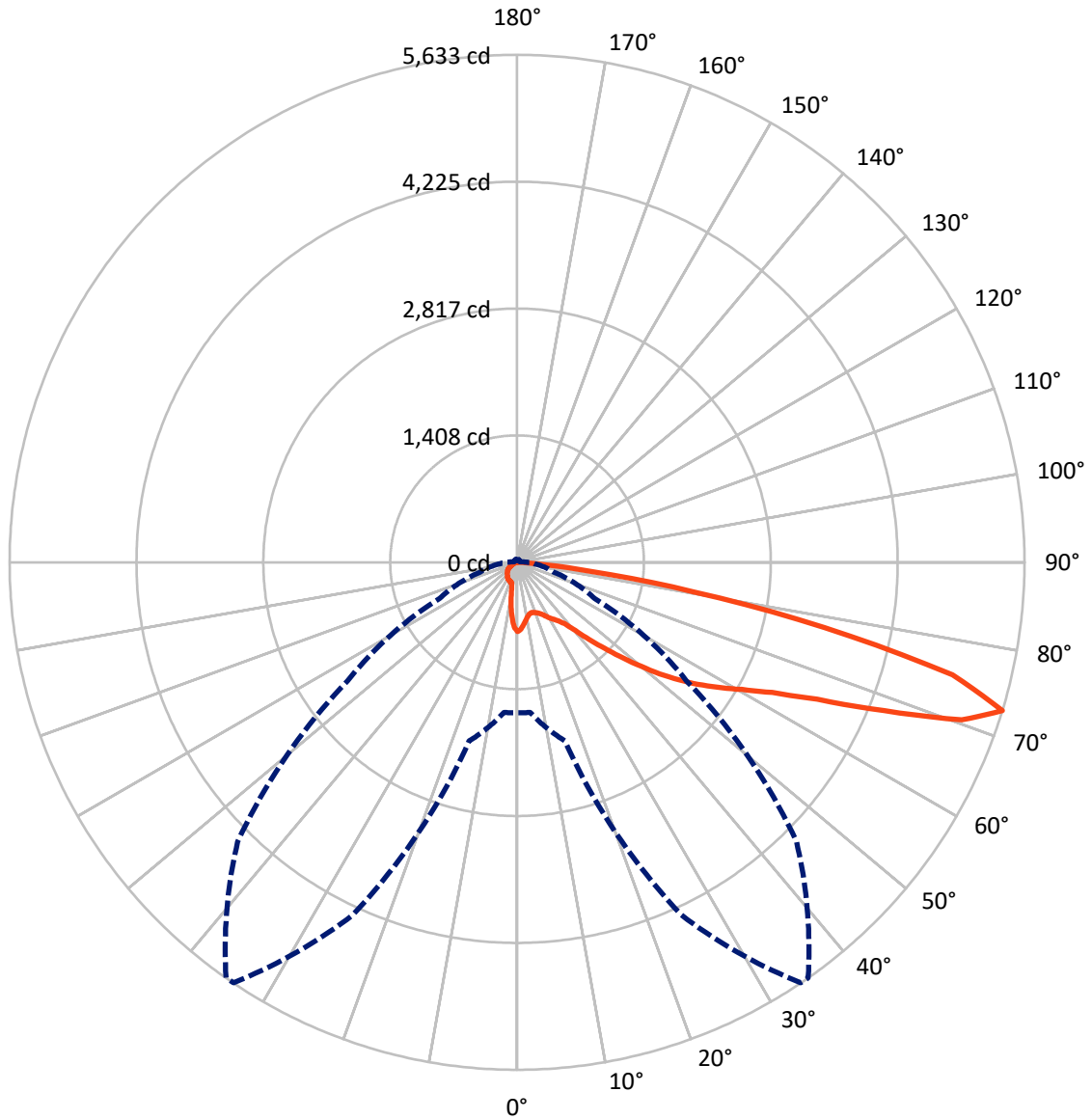
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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
House Side	Lumens	597.7	0.0	597.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4713.3	0.0	4713.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	5311.0	0.0	5311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	1.2
10°-20°	148.0	2.8
20°-30°	240.4	4.5
30°-40°	401.1	7.6
40°-50°	758.8	14.3
50°-60°	1205.8	22.7
60°-70°	1491.6	28.1
70°-80°	927.2	17.5
80°-90°	74.9	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°	5311.0	100.0
0°-180°	5311.0	100.0

Coefficient of Utilization

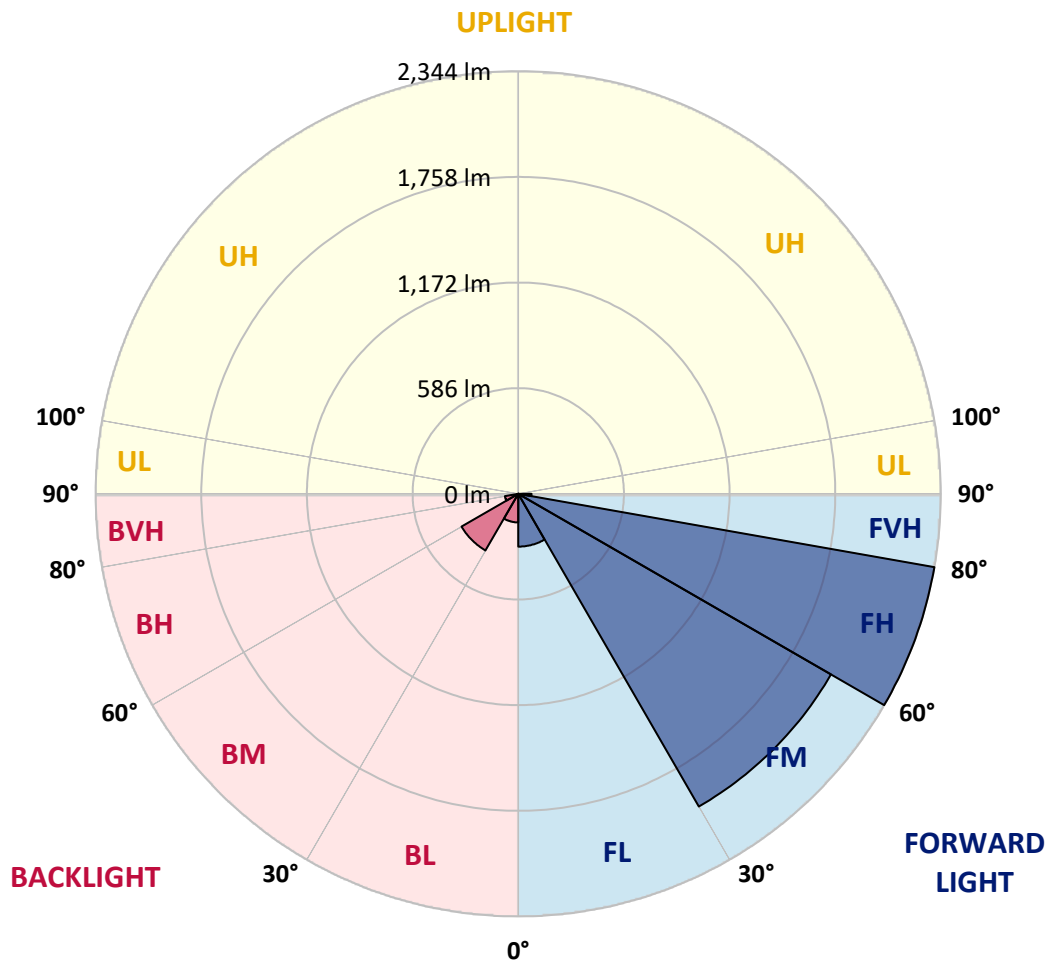


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.8	5.5			
FM (30°-60°)	2002.8	37.7			
FH (60°-80°)	2343.8	44.1			G2/5000
FVH (80°-90°)	73.9	1.4			G1/100
BL (0°-30°)	158.8	3.0	B1/500		
BM (30°-60°)	362.9	6.8	B1/1000		
BH (60°-80°)	75.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7
2.5°	735.5	741.7	742.9	744.8	744.8	747.2	751.1	756.5	765.5	770.1
5°	677.9	682.6	688.4	693.1	702.0	703.2	718.4	733.2	753.8	769.4
7.5°	619.9	625.4	633.1	644.4	656.1	659.6	682.6	707.5	740.2	769.4
10°	579.1	579.4	586.5	597.7	616.4	620.7	648.7	684.1	725.0	764.7
12.5°	556.1	558.8	561.9	570.5	588.4	591.1	621.1	662.7	709.8	762.0
15°	556.1	558.0	560.0	564.3	578.7	581.0	607.5	649.1	702.0	763.1
17.5°	561.9	565.0	563.5	568.6	583.7	585.3	608.6	645.2	701.6	770.5
20°	575.9	578.3	575.2	578.3	593.5	596.6	620.7	652.6	708.3	783.4
22.5°	598.1	599.3	591.9	594.2	609.8	613.7	641.7	673.6	724.2	804.0
25°	626.1	628.5	617.2	619.9	634.7	639.4	671.7	705.1	749.5	832.4
27.5°	658.4	659.6	649.9	649.5	668.6	675.2	707.9	744.1	783.4	868.2
30°	695.4	698.9	689.6	688.0	712.1	717.6	749.9	791.9	833.2	921.9
32.5°	724.6	727.3	721.9	725.8	750.3	754.6	800.9	859.6	911.4	998.2
35°	766.6	768.2	755.7	762.7	790.8	801.7	870.5	954.6	1009.8	1093.9
37.5°	918.8	918.8	865.9	831.2	858.1	867.8	965.9	1074.1	1131.3	1222.3
40°	1129.3	1125.8	1048.4	977.5	974.0	993.1	1101.7	1224.7	1288.1	1376.4
42.5°	1353.9	1348.4	1243.0	1172.9	1161.2	1167.8	1258.5	1410.3	1474.9	1564.4
45°	1553.1	1551.5	1455.0	1360.9	1339.8	1360.9	1454.3	1627.4	1673.7	1767.9
47.5°	1720.1	1720.1	1649.6	1588.1	1577.2	1589.7	1719.3	1868.3	1864.0	1984.7
50°	1912.3	1910.7	1843.8	1817.3	1828.6	1846.1	2024.4	2122.0	2060.9	2197.5
52.5°	2046.9	2056.3	2033.3	2029.0	2086.6	2117.0	2334.1	2370.3	2237.2	2399.5
55°	2153.6	2164.5	2190.9	2220.9	2331.8	2371.5	2634.2	2605.8	2384.7	2574.6
57.5°	2304.6	2289.0	2329.9	2389.0	2568.4	2616.3	2924.9	2828.0	2503.4	2716.7
60°	2487.8	2490.2	2497.2	2571.9	2804.6	2866.1	3211.3	3038.1	2579.7	2803.8
62.5°	2708.1	2711.6	2726.0	2840.8	3121.8	3179.8	3516.4	3210.1	2614.7	2779.3
65°	2692.9	2707.7	2868.4	3261.1	3603.9	3661.1	3872.4	3330.7	2561.8	2555.2
67.5°	2453.2	2477.3	2746.2	3763.1	4330.9	4394.7	4302.8	3354.5	2333.4	1987.0
70°	2138.8	2147.3	2470.7	4214.5	5172.6	5237.2	4688.1	3093.4	1770.6	1108.3
72.5°	1670.2	1672.2	2051.6	4319.2	5629.5	5633.0	4385.7	2296.4	952.3	425.7
75°	1193.1	1181.5	1374.1	3502.8	4952.7	4992.4	3287.9	1077.2	363.9	201.2
77.5°	639.8	652.6	777.5	2077.3	3421.4	3489.1	1794.0	310.5	185.2	137.0
80°	197.7	208.6	318.7	951.1	1938.0	1978.8	665.1	138.1	129.2	97.7
82.5°	62.3	64.6	148.7	399.7	804.4	823.1	192.6	78.2	88.3	64.6
85°	17.9	18.3	66.2	149.0	198.9	202.7	54.1	30.4	50.6	40.1
87.5°	1.9	6.2	24.9	24.9	17.5	17.1	5.8	6.6	14.4	5.1
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°
769.7	0°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7
773.2	2.5°	771.3	771.7	766.6	758.1	748.7	740.9	731.2	723.4	718.0	716.4
780.2	5°	776.7	774.0	759.6	733.6	702.4	675.6	645.6	621.9	606.3	599.7
787.6	7.5°	784.9	777.1	745.6	694.2	634.7	581.8	528.1	486.4	460.0	446.7
794.6	10°	791.9	776.4	722.3	637.4	546.4	466.2	393.8	343.6	315.6	302.4
802.8	12.5°	798.5	776.0	691.9	570.1	446.7	348.7	281.4	256.5	248.7	245.9
816.1	15°	811.0	777.1	653.8	493.1	347.5	263.5	238.9	238.5	240.1	239.3
836.3	17.5°	828.1	778.3	610.6	411.3	268.1	232.3	231.2	234.7	237.0	235.8
861.6	20°	850.3	783.0	564.7	330.4	230.4	224.5	227.3	230.4	232.3	230.4
895.4	22.5°	881.4	791.1	514.5	265.4	218.3	219.9	222.2	225.7	227.7	224.9
938.6	25°	919.6	804.0	465.0	230.8	212.5	214.4	217.9	221.8	224.2	221.4
993.1	27.5°	969.0	824.6	419.5	223.0	206.6	207.8	212.9	218.7	221.8	218.3
1070.6	30°	1040.6	858.5	380.2	226.5	203.1	200.4	207.4	215.6	219.1	216.0
1176.0	32.5°	1135.5	906.3	356.1	231.9	201.6	191.9	198.5	209.0	214.8	212.9
1313.8	35°	1260.1	979.1	346.7	238.2	200.4	182.9	187.6	198.9	209.0	210.9
1487.3	37.5°	1411.1	1080.3	349.5	240.9	196.9	175.5	177.8	187.6	200.8	207.0
1682.7	40°	1582.7	1198.2	365.0	238.2	193.0	169.3	169.7	177.1	188.7	198.1
1892.8	42.5°	1759.7	1336.0	393.8	228.0	189.5	163.8	162.7	167.7	175.5	182.1
2102.6	45°	1928.2	1477.6	422.2	214.0	185.2	158.4	155.7	157.6	159.2	161.9
2306.9	47.5°	2075.3	1577.2	414.1	201.2	179.4	152.2	147.5	146.7	142.0	141.7
2489.4	50°	2176.9	1599.0	367.7	188.3	170.8	145.2	137.8	133.1	124.9	121.0
2626.0	52.5°	2209.2	1513.0	300.4	175.5	156.8	135.8	125.3	117.9	107.8	104.3
2704.6	55°	2166.4	1344.5	240.1	159.9	137.4	123.4	111.7	102.0	93.8	89.5
2713.2	57.5°	2061.7	1130.1	189.9	141.7	116.7	109.4	97.7	87.9	80.9	76.7
2618.2	60°	1888.2	897.4	150.2	119.9	99.6	94.2	82.1	75.9	69.7	64.6
2373.0	62.5°	1624.7	640.5	117.9	95.0	83.3	77.1	70.0	65.4	58.0	51.0
1932.1	65°	1267.9	391.9	91.1	69.7	66.9	63.8	59.5	55.3	46.3	39.3
1260.5	67.5°	799.7	185.6	65.0	52.5	52.9	51.4	49.4	45.9	39.3	33.1
564.7	70°	352.2	89.9	42.8	40.1	39.3	39.3	40.9	39.7	33.5	27.6
196.1	72.5°	119.9	48.3	31.9	30.4	28.4	28.0	34.2	33.1	26.9	21.4
97.7	75°	62.7	32.3	23.3	21.8	17.1	20.6	27.2	25.7	19.1	14.0
64.6	77.5°	40.9	23.0	16.0	14.0	9.7	13.6	20.2	17.9	11.3	7.0
42.4	80°	25.7	15.2	9.3	6.6	4.7	7.4	10.9	7.8	4.3	1.6
24.9	82.5°	13.6	7.8	3.5	2.3	1.9	2.3	2.7	1.9	0.8	0.0
12.8	85°	5.4	2.7	1.2	0.8	0.4	0.0	0.8	0.4	0.0	0.0
2.3	87.5°	1.9	0.4	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

(END O

180°
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769.7
719.2
602.0
448.7
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218.3
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210.9
208.6
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