

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: P852122

Luminaire Tested: **GLAN-SB1C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852122  
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-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 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: 5566 lumens  
Efficiency: N/A  
Efficacy: 102.3 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

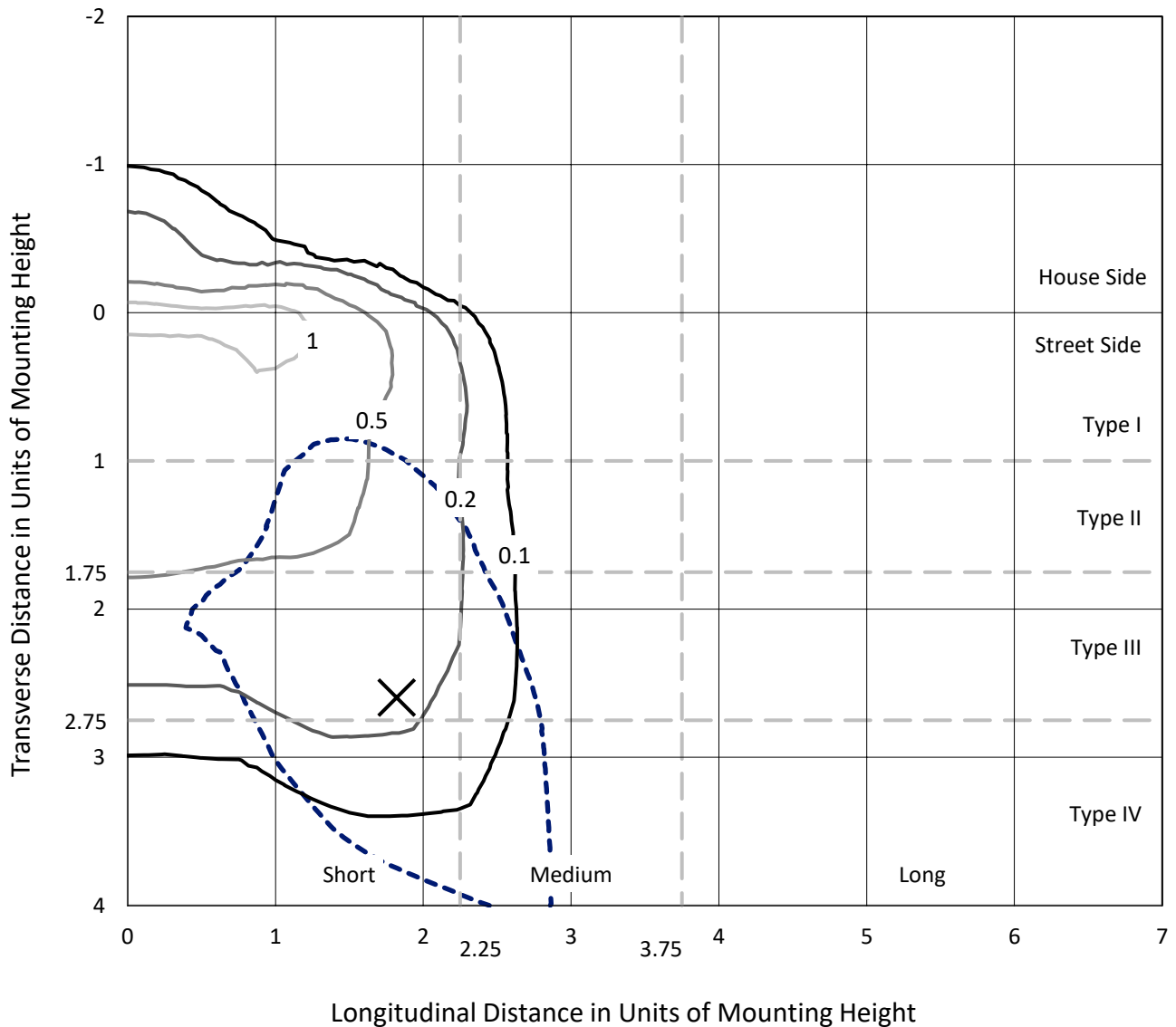
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

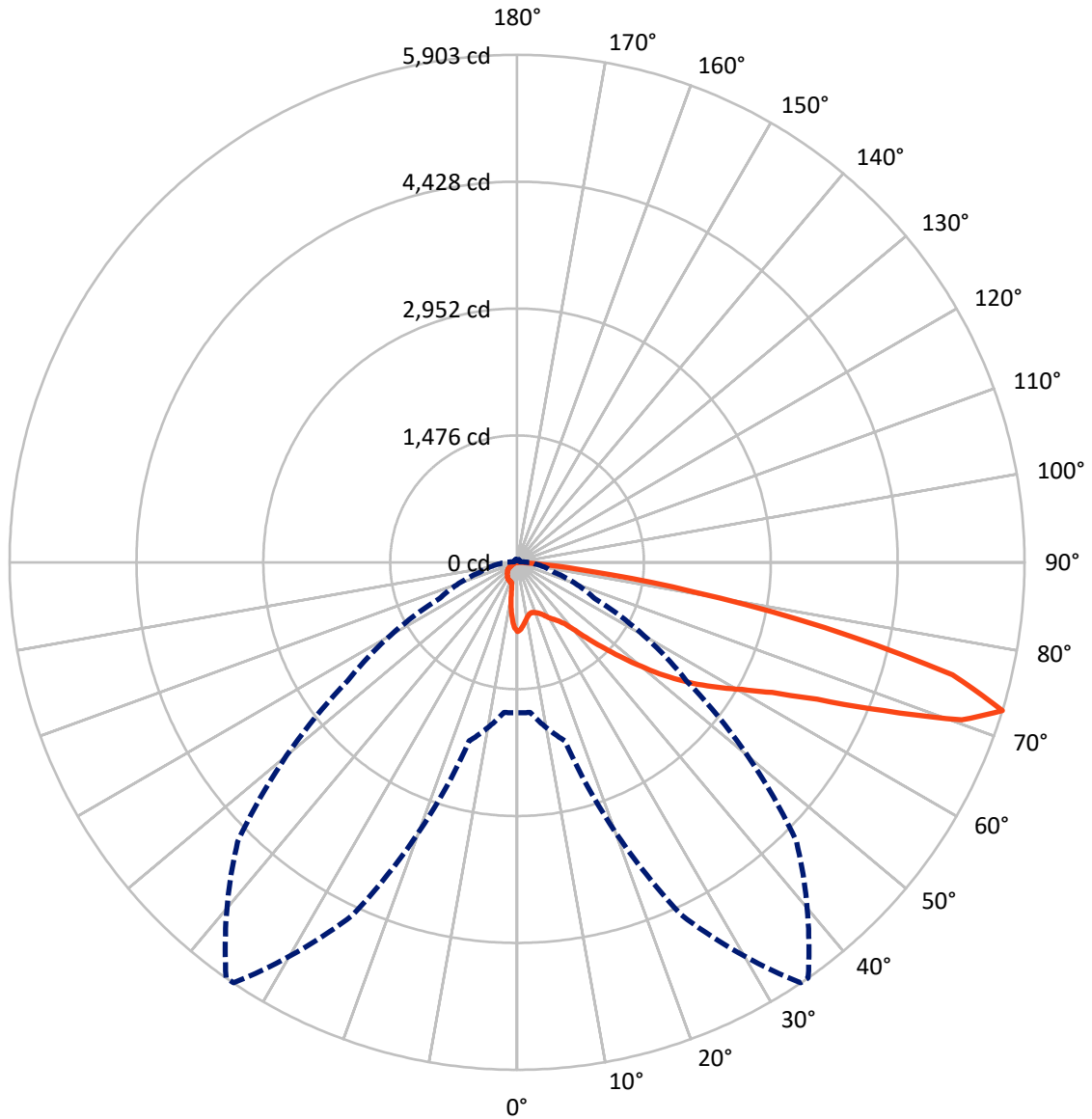
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	626.4	0.0	626.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	4939.6	0.0	4939.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	5566.0	0.0	5566.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.3	1.2
10°-20°	155.1	2.8
20°-30°	251.9	4.5
30°-40°	420.3	7.6
40°-50°	795.3	14.3
50°-60°	1263.7	22.7
60°-70°	1563.2	28.1
70°-80°	971.7	17.5
80°-90°	78.5	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°	5566.0	100.0
0°-180°	5566.0	100.0

**Coefficient of Utilization**



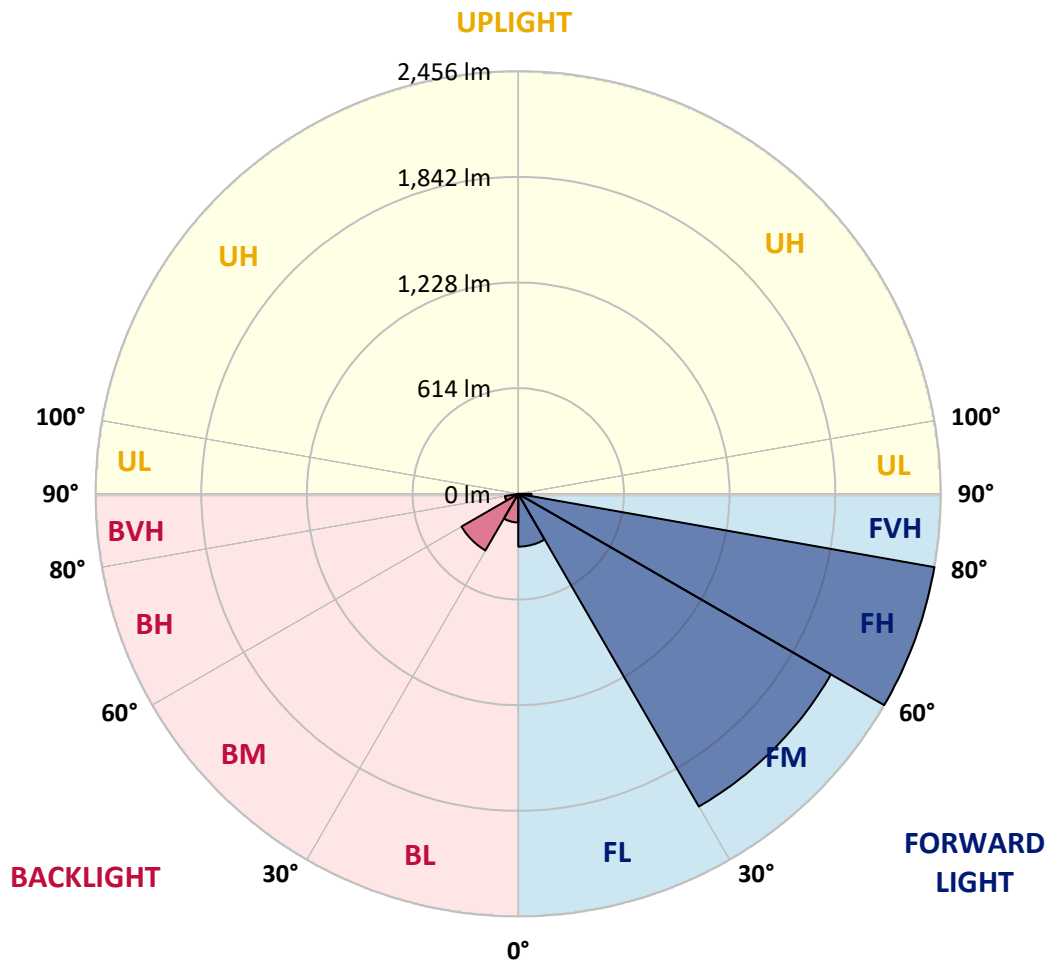
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.8	5.5			
FM (30°-60°)	2098.9	37.7			
FH (60°-80°)	2456.3	44.1			G2/5000
FVH (80°-90°)	77.5	1.4			G1/100
BL (0°-30°)	166.5	3.0	B1/500		
BM (30°-60°)	380.3	6.8	B1/1000		
BH (60°-80°)	78.6	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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°	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7
2.5°	770.8	777.3	778.6	780.6	780.6	783.0	787.1	792.8	802.2	807.1
5°	710.5	715.3	721.5	726.4	735.7	737.0	752.9	768.4	790.0	806.3
7.5°	649.7	655.4	663.5	675.4	687.6	691.3	715.3	741.4	775.7	806.3
10°	606.9	607.3	614.6	626.4	646.0	650.5	679.9	717.0	759.8	801.4
12.5°	582.8	585.7	588.9	597.9	616.6	619.5	650.9	694.5	743.9	798.5
15°	582.8	584.8	586.9	591.4	606.5	608.9	636.6	680.3	735.7	799.8
17.5°	588.9	592.2	590.5	595.8	611.8	613.4	637.9	676.2	735.3	807.5
20°	603.6	606.0	602.8	606.0	622.0	625.2	650.5	683.9	742.3	821.0
22.5°	626.8	628.1	620.3	622.8	639.1	643.2	672.5	706.0	759.0	842.6
25°	656.2	658.7	646.8	649.7	665.2	670.1	703.9	739.0	785.5	872.4
27.5°	690.1	691.3	681.1	680.7	700.7	707.6	741.9	779.8	821.0	909.9
30°	728.8	732.5	722.7	721.1	746.3	752.0	785.9	829.9	873.2	966.2
32.5°	759.4	762.2	756.5	760.6	786.3	790.8	839.3	900.9	955.2	1046.1
35°	803.4	805.1	792.0	799.4	828.7	840.1	912.3	1000.4	1058.3	1146.4
37.5°	962.9	962.9	907.4	871.1	899.3	909.5	1012.2	1125.6	1185.6	1281.0
40°	1183.5	1179.9	1098.7	1024.5	1020.8	1040.8	1154.6	1283.5	1349.9	1442.5
42.5°	1418.9	1413.2	1302.6	1229.2	1217.0	1223.9	1318.9	1478.0	1545.7	1639.5
45°	1627.7	1626.0	1524.9	1426.2	1404.2	1426.2	1524.1	1705.6	1754.1	1852.8
47.5°	1802.6	1802.6	1728.8	1664.4	1653.0	1666.0	1801.8	1958.0	1953.5	2080.0
50°	2004.1	2002.5	1932.3	1904.6	1916.4	1934.8	2121.6	2223.9	2159.9	2303.1
52.5°	2145.2	2155.0	2130.9	2126.5	2186.8	2218.6	2446.2	2484.1	2344.7	2514.7
55°	2257.0	2268.4	2296.1	2327.5	2443.8	2485.4	2760.6	2730.9	2499.2	2698.2
57.5°	2415.2	2398.9	2441.7	2503.7	2691.7	2741.9	3065.3	2963.7	2623.6	2847.1
60°	2607.3	2609.7	2617.1	2695.4	2939.3	3003.7	3365.5	3184.0	2703.5	2938.5
62.5°	2838.1	2841.8	2856.9	2977.2	3271.7	3332.4	3685.2	3364.2	2740.3	2912.8
65°	2822.2	2837.7	3006.2	3417.7	3777.0	3836.9	4058.4	3490.7	2684.8	2677.9
67.5°	2571.0	2596.3	2878.1	3943.8	4538.8	4605.7	4509.4	3515.5	2445.4	2082.4
70°	2241.5	2250.4	2589.4	4416.9	5421.0	5488.7	4913.2	3241.9	1855.7	1161.5
72.5°	1750.4	1752.5	2150.1	4526.6	5899.8	5903.4	4596.3	2406.6	998.0	446.2
75°	1250.4	1238.2	1440.1	3670.9	5190.5	5232.1	3445.8	1128.9	381.3	210.9
77.5°	670.5	683.9	814.9	2177.0	3585.7	3656.7	1880.1	325.5	194.1	143.6
80°	207.2	218.6	334.0	996.8	2031.0	2073.8	697.0	144.8	135.4	102.4
82.5°	65.3	67.7	155.8	418.8	843.0	862.6	201.9	82.0	92.6	67.7
85°	18.8	19.2	69.3	156.2	208.4	212.5	56.7	31.8	53.0	42.0
87.5°	2.0	6.5	26.1	26.1	18.4	17.9	6.1	6.9	15.1	5.3
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°
806.7	0°	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7
810.4	2.5°	808.3	808.7	803.4	794.5	784.7	776.5	766.3	758.2	752.5	750.8
817.7	5°	814.0	811.2	796.1	768.8	736.1	708.0	676.6	651.7	635.4	628.5
825.5	7.5°	822.6	814.4	781.4	727.6	665.2	609.7	553.4	509.8	482.1	468.2
832.8	10°	829.9	813.6	756.9	668.0	572.6	488.6	412.7	360.1	330.8	316.9
841.4	12.5°	836.9	813.2	725.1	597.5	468.2	365.4	294.9	268.8	260.6	257.8
855.2	15°	849.9	814.4	685.2	516.7	364.2	276.1	250.4	250.0	251.6	250.8
876.4	17.5°	867.9	815.7	639.9	431.1	281.0	243.5	242.3	245.9	248.4	247.1
902.9	20°	891.1	820.6	591.8	346.3	241.4	235.3	238.2	241.4	243.5	241.4
938.4	22.5°	923.7	829.1	539.2	278.1	228.8	230.4	232.9	236.5	238.6	235.7
983.7	25°	963.7	842.6	487.4	241.8	222.7	224.7	228.4	232.5	234.9	232.1
1040.8	27.5°	1015.5	864.2	439.6	233.7	216.6	217.8	223.1	229.2	232.5	228.8
1122.0	30°	1090.6	899.7	398.5	237.4	212.9	210.0	217.4	225.9	229.6	226.3
1232.5	32.5°	1190.1	949.9	373.2	243.1	211.3	201.1	208.0	219.0	225.1	223.1
1376.9	35°	1320.6	1026.1	363.4	249.6	210.0	191.7	196.6	208.4	219.0	221.0
1558.7	37.5°	1478.8	1132.2	366.2	252.5	206.4	183.9	186.4	196.6	210.4	217.0
1763.5	40°	1658.7	1255.7	382.6	249.6	202.3	177.4	177.8	185.6	197.8	207.6
1983.7	42.5°	1844.2	1400.1	412.7	239.0	198.6	171.7	170.5	175.8	183.9	190.9
2203.5	45°	2020.8	1548.6	442.5	224.3	194.1	166.0	163.1	165.2	166.8	169.7
2417.7	47.5°	2175.0	1653.0	433.9	210.9	188.0	159.5	154.6	153.8	148.9	148.5
2608.9	50°	2281.4	1675.8	385.4	197.4	179.0	152.1	144.4	139.5	130.9	126.8
2752.1	52.5°	2315.3	1585.7	314.8	183.9	164.4	142.3	131.3	123.6	113.0	109.3
2834.5	55°	2270.4	1409.1	251.6	167.6	144.0	129.3	117.0	106.9	98.3	93.8
2843.4	57.5°	2160.7	1184.4	199.0	148.5	122.4	114.6	102.4	92.2	84.8	80.3
2743.9	60°	1978.8	940.5	157.4	125.6	104.4	98.7	86.1	79.5	73.0	67.7
2487.0	62.5°	1702.7	671.3	123.6	99.5	87.3	80.8	73.4	68.5	60.8	53.4
2024.9	65°	1328.7	410.7	95.4	73.0	70.1	66.9	62.4	57.9	48.5	41.2
1321.0	67.5°	838.1	194.5	68.1	55.1	55.5	53.8	51.8	48.1	41.2	34.7
591.8	70°	369.1	94.2	44.9	42.0	41.2	41.2	42.8	41.6	35.1	29.0
205.5	72.5°	125.6	50.6	33.4	31.8	29.8	29.4	35.9	34.7	28.1	22.4
102.4	75°	65.7	33.9	24.5	22.8	17.9	21.6	28.5	26.9	20.0	14.7
67.7	77.5°	42.8	24.1	16.7	14.7	10.2	14.3	21.2	18.8	11.8	7.3
44.5	80°	26.9	15.9	9.8	6.9	4.9	7.7	11.4	8.2	4.5	1.6
26.1	82.5°	14.3	8.2	3.7	2.4	2.0	2.4	2.9	2.0	0.8	0.0
13.5	85°	5.7	2.9	1.2	0.8	0.4	0.0	0.8	0.4	0.0	0.0
2.4	87.5°	2.0	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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806.7
753.7
630.9
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256.9
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235.3
231.7
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225.9
223.1
221.0
218.6
210.9
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