

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: P852168

Luminaire Tested: **GLAN-SB1D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852168  
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-SB1D-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 900mA 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: 6381 lumens  
Efficiency: N/A  
Efficacy: 80.2 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

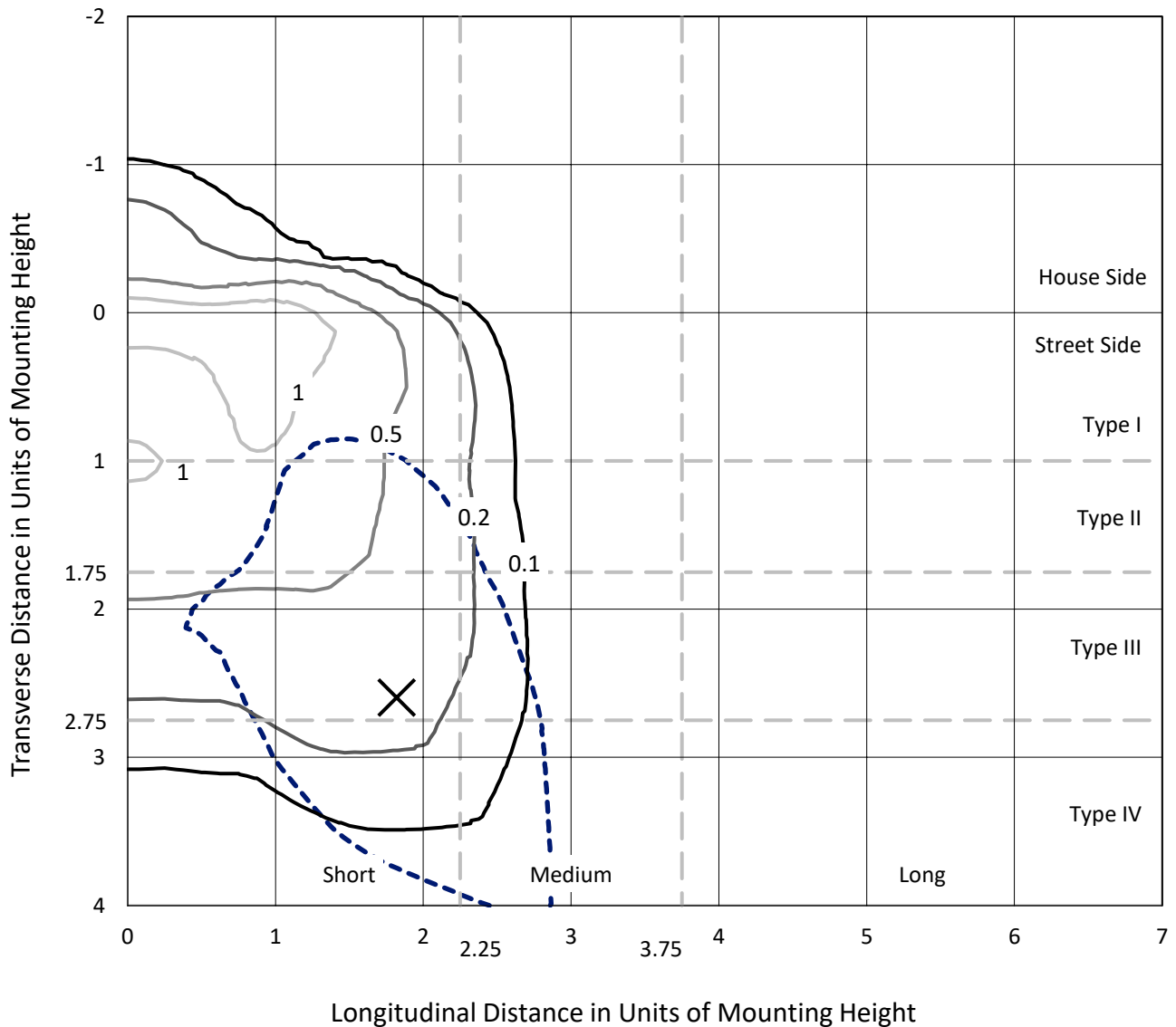
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

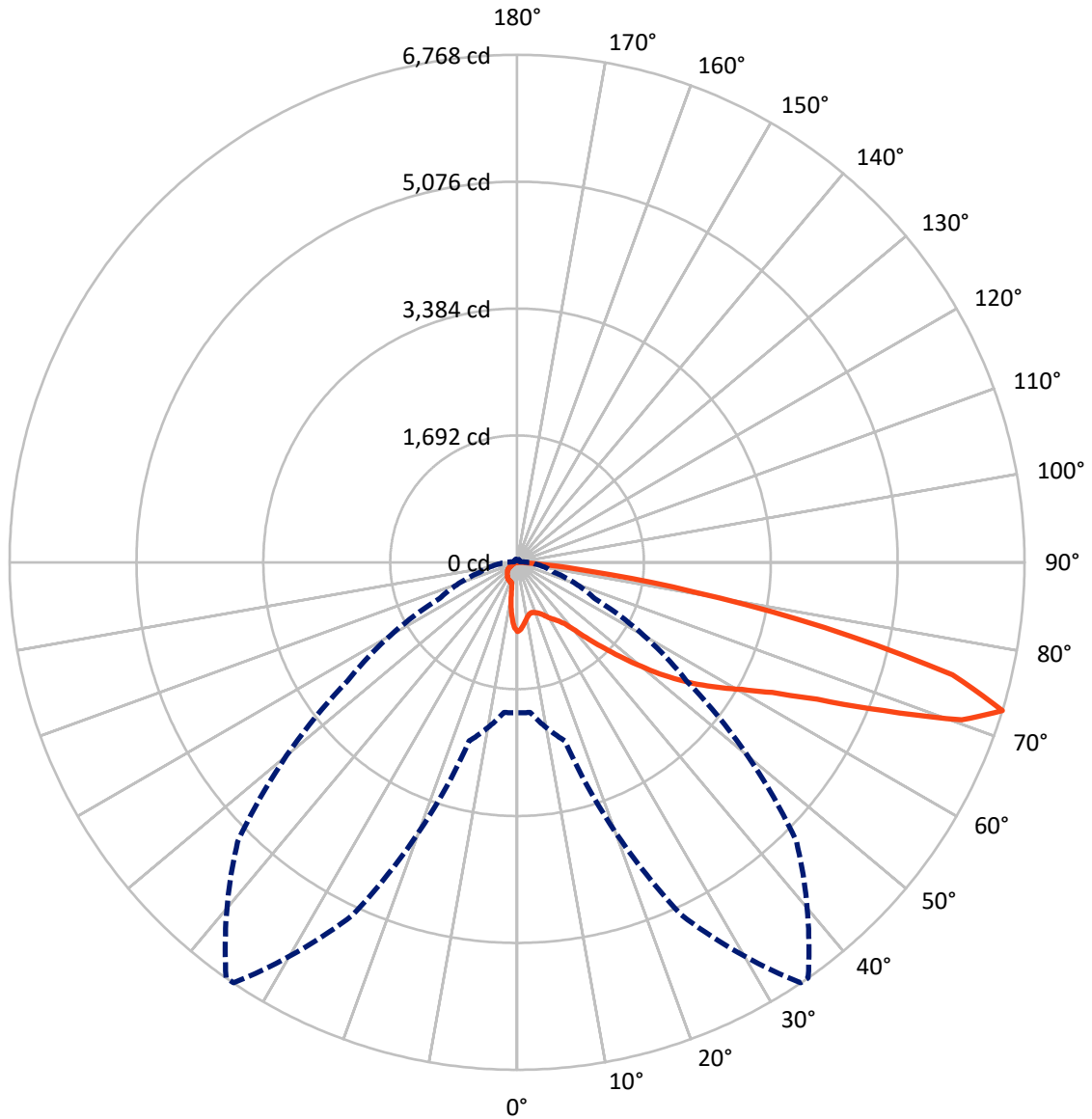
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	718.2	0.0	718.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	5662.8	0.0	5662.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	6381.0	0.0	6381.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	1.2
10°-20°	177.8	2.8
20°-30°	288.8	4.5
30°-40°	481.9	7.6
40°-50°	911.7	14.3
50°-60°	1448.7	22.7
60°-70°	1792.1	28.1
70°-80°	1114.0	17.5
80°-90°	90.0	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°	6381.0	100.0
0°-180°	6381.0	100.0

**Coefficient of Utilization**

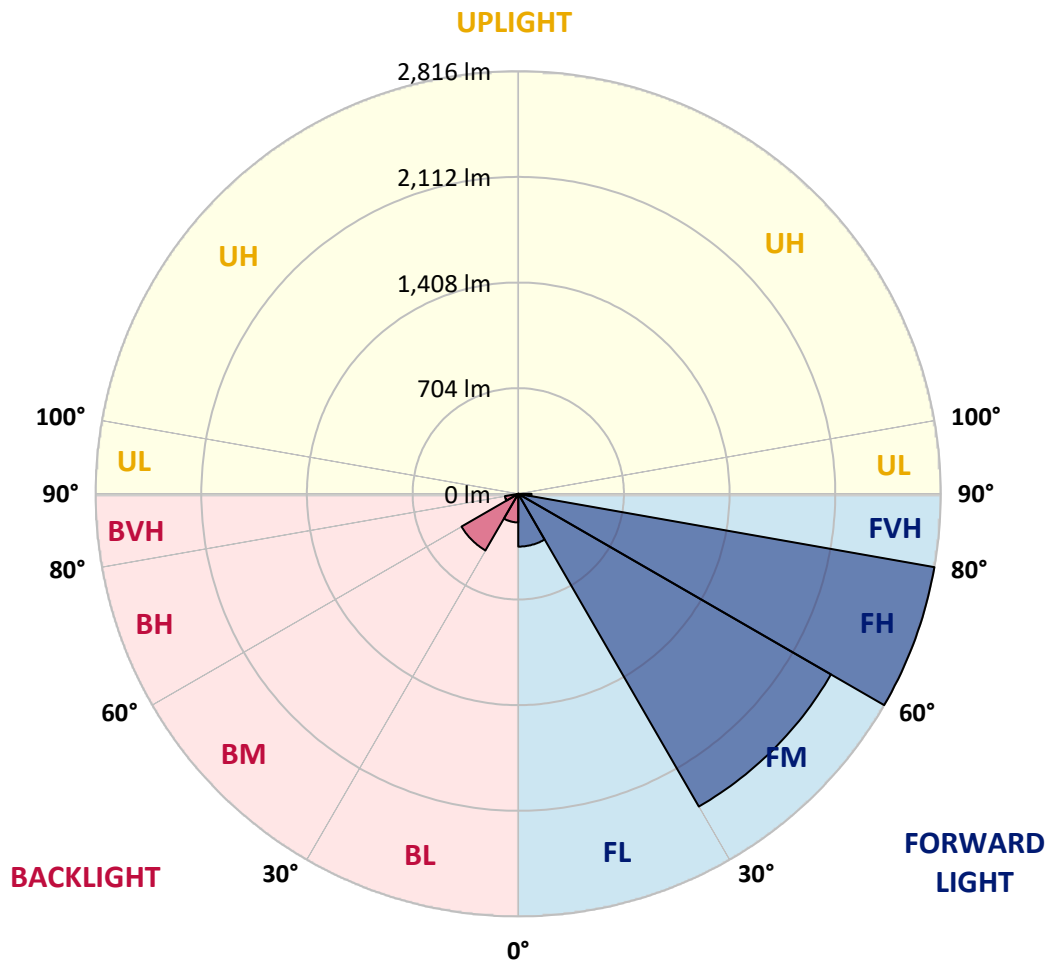


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.8	5.5			
FM (30°-60°)	2406.3	37.7			
FH (60°-80°)	2816.0	44.1			G2/5000
FVH (80°-90°)	88.8	1.4			G1/100
BL (0°-30°)	190.8	3.0	B1/500		
BM (30°-60°)	436.0	6.8	B1/1000		
BH (60°-80°)	90.1	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	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°	924.8	924.8	924.8	924.8	924.8	924.8	924.8	924.8	924.8	924.8
2.5°	883.7	891.2	892.6	894.9	894.9	897.7	902.4	908.9	919.7	925.3
5°	814.5	820.1	827.1	832.7	843.5	844.9	863.1	880.9	905.7	924.4
7.5°	744.8	751.4	760.7	774.3	788.3	792.5	820.1	850.0	889.3	924.4
10°	695.7	696.2	704.6	718.2	740.6	745.7	779.4	822.0	871.1	918.7
12.5°	668.1	671.4	675.1	685.4	706.9	710.2	746.2	796.2	852.8	915.5
15°	668.1	670.5	672.8	678.0	695.3	698.1	729.9	779.9	843.5	916.9
17.5°	675.1	678.9	677.0	683.1	701.3	703.2	731.3	775.2	843.0	925.8
20°	692.0	694.8	691.0	694.8	713.0	716.8	745.7	784.1	850.9	941.2
22.5°	718.6	720.0	711.1	714.0	732.7	737.3	771.0	809.3	870.1	966.0
25°	752.3	755.1	741.5	744.8	762.6	768.2	807.0	847.2	900.5	1000.1
27.5°	791.1	792.5	780.8	780.3	803.3	811.2	850.5	894.0	941.2	1043.1
30°	835.5	839.7	828.5	826.6	855.6	862.2	901.0	951.5	1001.0	1107.6
32.5°	870.6	873.9	867.3	872.0	901.4	906.6	962.2	1032.8	1095.0	1199.3
35°	921.1	923.0	908.0	916.4	950.1	963.2	1045.9	1146.9	1213.3	1314.3
37.5°	1103.9	1103.9	1040.3	998.7	1031.0	1042.6	1160.5	1290.4	1359.2	1468.6
40°	1356.8	1352.6	1259.6	1174.5	1170.3	1193.2	1323.6	1471.4	1547.6	1653.7
42.5°	1626.6	1620.1	1493.4	1409.2	1395.2	1403.1	1512.1	1694.4	1772.0	1879.6
45°	1866.0	1864.1	1748.2	1635.0	1609.8	1635.0	1747.2	1955.3	2010.9	2124.1
47.5°	2066.6	2066.6	1982.0	1908.1	1895.0	1910.0	2065.7	2244.7	2239.6	2384.5
50°	2297.6	2295.7	2215.3	2183.5	2197.0	2218.1	2432.2	2549.6	2476.2	2640.3
52.5°	2459.3	2470.6	2443.0	2437.8	2507.0	2543.5	2804.4	2847.9	2688.0	2882.9
55°	2587.4	2600.5	2632.3	2668.3	2801.6	2849.3	3164.9	3130.7	2865.2	3093.3
57.5°	2768.9	2750.1	2799.2	2870.3	3085.9	3143.4	3514.1	3397.7	3007.8	3264.0
60°	2989.1	2991.9	3000.3	3090.1	3369.7	3443.5	3858.3	3650.2	3099.4	3368.7
62.5°	3253.7	3257.9	3275.2	3413.1	3750.7	3820.4	4224.8	3856.8	3141.5	3339.3
65°	3235.5	3253.2	3446.3	3918.1	4330.0	4398.7	4652.6	4001.8	3077.9	3070.0
67.5°	2947.5	2976.4	3299.5	4521.2	5203.4	5280.1	5169.7	4030.3	2803.5	2387.3
70°	2569.7	2580.0	2968.5	5063.6	6214.7	6292.3	5632.6	3716.6	2127.4	1331.6
72.5°	2006.7	2009.1	2464.9	5189.4	6763.6	6767.8	5269.3	2759.0	1144.1	511.5
75°	1433.5	1419.5	1650.9	4208.4	5950.6	5998.2	3950.4	1294.2	437.2	241.7
77.5°	768.7	784.1	934.2	2495.8	4110.7	4192.1	2155.4	373.1	222.6	164.6
80°	237.5	250.6	382.9	1142.7	2328.4	2377.5	799.0	166.0	155.2	117.4
82.5°	74.8	77.6	178.6	480.2	966.4	988.9	231.4	94.0	106.1	77.6
85°	21.5	22.0	79.5	179.1	238.9	243.6	65.0	36.5	60.8	48.2
87.5°	2.3	7.5	29.9	29.9	21.0	20.6	7.0	7.9	17.3	6.1
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°
924.8	0°	924.8	924.8	924.8	924.8	924.8	924.8	924.8	924.8	924.8	924.8
929.0	2.5°	926.7	927.2	921.1	910.8	899.6	890.2	878.5	869.2	862.6	860.8
937.4	5°	933.2	930.0	912.7	881.3	843.9	811.7	775.7	747.2	728.4	720.5
946.3	7.5°	943.1	933.7	895.8	834.1	762.6	699.0	634.5	584.4	552.6	536.8
954.7	10°	951.5	932.8	867.8	765.9	656.4	560.1	473.2	412.8	379.2	363.3
964.6	12.5°	959.4	932.3	831.3	685.0	536.8	418.9	338.0	308.1	298.8	295.5
980.5	15°	974.4	933.7	785.5	592.4	417.5	316.5	287.1	286.6	288.5	287.5
1004.8	17.5°	995.0	935.1	733.6	494.2	322.1	279.1	277.7	281.9	284.7	283.3
1035.2	20°	1021.6	940.7	678.4	397.0	276.8	269.8	273.1	276.8	279.1	276.8
1075.8	22.5°	1059.0	950.5	618.1	318.9	262.3	264.2	267.0	271.2	273.5	270.2
1127.7	25°	1104.8	966.0	558.7	277.3	255.3	257.6	261.8	266.5	269.3	266.0
1193.2	27.5°	1164.2	990.7	504.0	267.9	248.3	249.7	255.8	262.8	266.5	262.3
1286.2	30°	1250.2	1031.4	456.8	272.1	244.1	240.8	249.2	259.0	263.2	259.5
1412.9	32.5°	1364.3	1088.9	427.8	278.7	242.2	230.5	238.5	251.1	258.1	255.8
1578.5	35°	1513.9	1176.4	416.6	286.1	240.8	219.8	225.4	238.9	251.1	253.4
1787.0	37.5°	1695.3	1297.9	419.9	289.4	236.6	210.9	213.7	225.4	241.3	248.7
2021.7	40°	1901.5	1439.6	438.6	286.1	231.9	203.4	203.9	212.7	226.8	238.0
2274.2	42.5°	2114.3	1605.1	473.2	274.0	227.7	196.8	195.4	201.5	210.9	218.8
2526.2	45°	2316.7	1775.3	507.3	257.2	222.6	190.3	187.0	189.4	191.2	194.5
2771.7	47.5°	2493.5	1895.0	497.5	241.7	215.5	182.8	177.2	176.3	170.7	170.2
2990.9	50°	2615.5	1921.2	441.8	226.3	205.3	174.4	165.5	159.9	150.1	145.4
3155.1	52.5°	2654.3	1817.8	361.0	210.9	188.4	163.2	150.6	141.7	129.5	125.3
3249.5	55°	2602.9	1615.4	288.5	192.2	165.0	148.2	134.2	122.5	112.7	107.5
3259.8	57.5°	2477.1	1357.8	228.2	170.2	140.3	131.4	117.4	105.7	97.3	92.1
3145.7	60°	2268.6	1078.2	180.5	144.0	119.7	113.1	98.7	91.2	83.7	77.6
2851.1	62.5°	1952.0	769.6	141.7	114.1	100.1	92.6	84.2	78.5	69.7	61.2
2321.4	65°	1523.3	470.8	109.4	83.7	80.4	76.7	71.5	66.4	55.6	47.2
1514.4	67.5°	960.8	223.0	78.1	63.1	63.6	61.7	59.4	55.2	47.2	39.7
678.4	70°	423.1	108.0	51.4	48.2	47.2	47.2	49.1	47.7	40.2	33.2
235.6	72.5°	144.0	58.0	38.3	36.5	34.1	33.7	41.1	39.7	32.3	25.7
117.4	75°	75.3	38.8	28.1	26.2	20.6	24.8	32.7	30.9	22.9	16.8
77.6	77.5°	49.1	27.6	19.2	16.8	11.7	16.4	24.3	21.5	13.6	8.4
51.0	80°	30.9	18.2	11.2	7.9	5.6	8.9	13.1	9.4	5.1	1.9
29.9	82.5°	16.4	9.4	4.2	2.8	2.3	2.8	3.3	2.3	0.9	0.0
15.4	85°	6.5	3.3	1.4	0.9	0.5	0.0	0.9	0.5	0.0	0.0
2.8	87.5°	2.3	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

(END O



180°
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924.8
864.0
723.3
539.1
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282.9
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259.0
255.8
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