

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: P846317

Luminaire Tested: **GLAN-SB1D-850-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-850-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

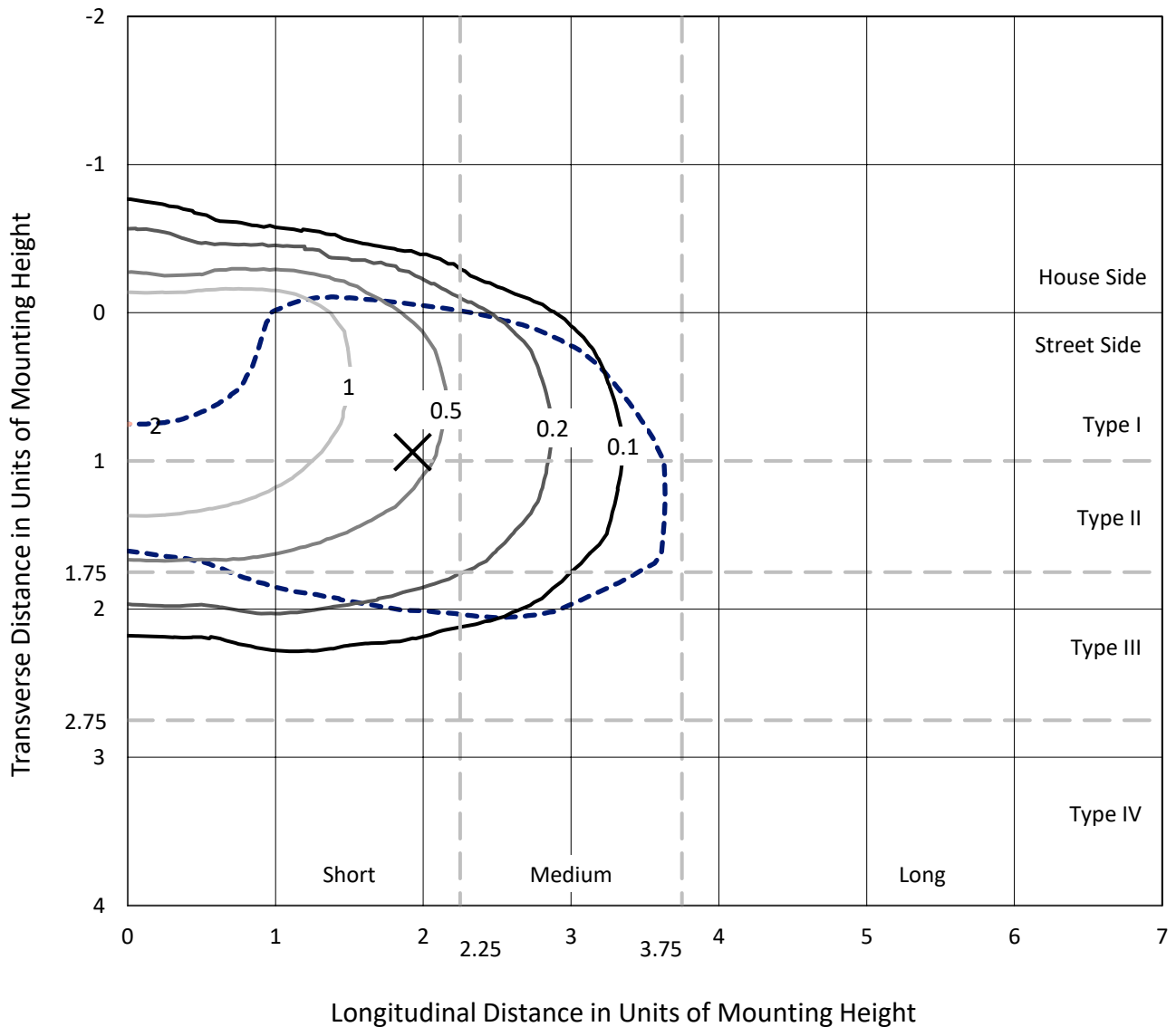
Lumens per Lamp: N/A  
Luminaire Lumens: 6855 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

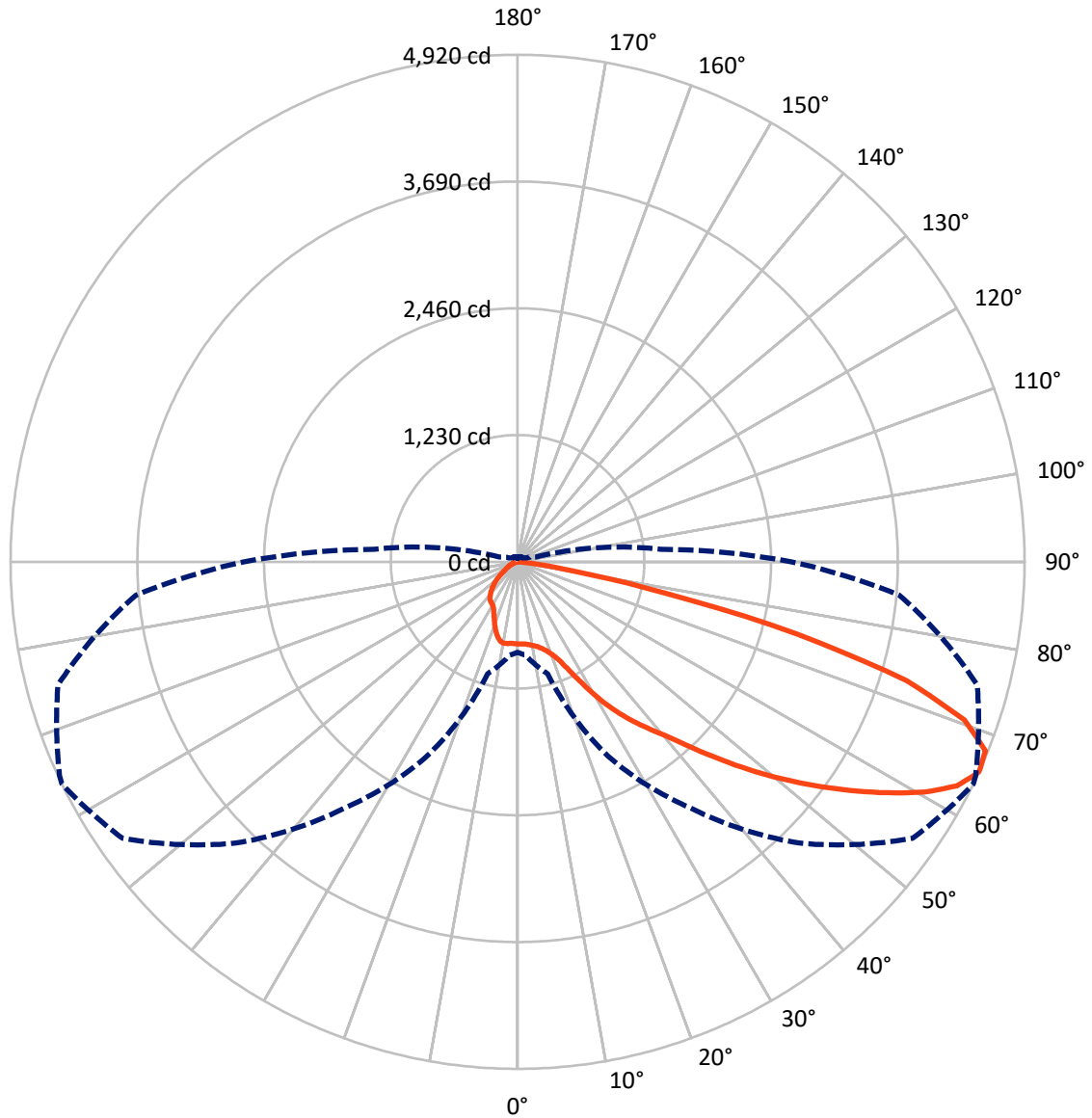
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	916.7	0.0	916.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	5938.3	0.0	5938.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	6855.0	0.0	6855.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.6	1.1
10°-20°	199.5	2.9
20°-30°	378.1	5.5
30°-40°	765.0	11.2
40°-50°	1303.2	19.0
50°-60°	1772.3	25.9
60°-70°	1664.3	24.3
70°-80°	666.8	9.7
80°-90°	32.3	0.5
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°	6855.0	100.0
0°-180°	6855.0	100.0

**Coefficient of Utilization**



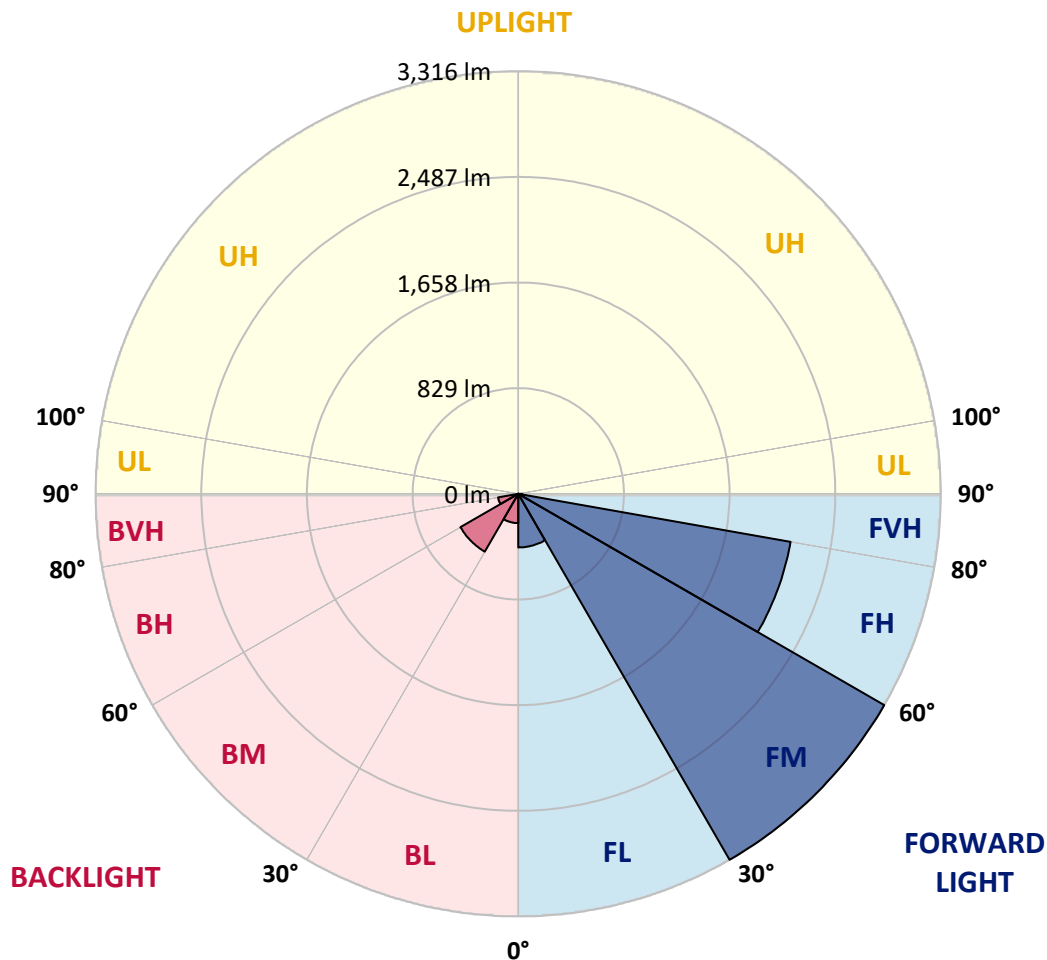
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.0	6.1			
FM (30°-60°)	3316.4	48.4			
FH (60°-80°)	2170.1	31.7			G2/5000
FVH (80°-90°)	30.7	0.4			G1/100
BL (0°-30°)	230.2	3.4	B1/500		
BM (30°-60°)	524.1	7.6	B1/1000		
BH (60°-80°)	160.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3
2.5°	794.6	800.1	798.7	797.3	796.8	797.8	798.2	797.8	797.8	797.8
5°	779.4	784.0	784.0	787.2	791.8	797.3	801.4	802.4	803.3	804.7
7.5°	750.4	754.1	756.9	767.4	778.9	793.6	806.0	812.5	813.4	818.4
10°	730.7	735.3	739.9	750.9	767.4	789.5	810.6	826.3	828.6	840.5
12.5°	729.8	734.4	740.3	752.3	771.6	795.0	820.7	843.3	847.4	864.9
15°	739.4	744.9	750.4	765.1	785.8	814.3	841.9	869.9	874.1	898.9
17.5°	759.2	766.5	770.7	785.4	807.4	839.1	875.4	907.6	911.3	940.2
20°	798.2	807.0	808.3	820.3	841.9	875.9	919.1	959.1	963.7	996.7
22.5°	879.1	891.5	880.5	886.5	905.8	939.8	986.6	1037.2	1043.6	1081.3
25°	1021.6	1039.0	1010.5	1000.4	1008.7	1044.1	1102.9	1166.8	1174.1	1204.5
27.5°	1301.4	1278.9	1235.7	1193.4	1168.6	1188.8	1255.0	1334.1	1343.2	1372.7
30°	1608.9	1589.1	1530.7	1437.0	1378.2	1375.0	1436.1	1524.3	1534.9	1562.9
32.5°	1916.8	1897.9	1834.5	1719.2	1617.1	1566.6	1608.9	1706.7	1712.3	1730.2
35°	2219.6	2200.3	2136.9	2018.8	1893.3	1778.4	1770.2	1880.5	1882.3	1901.1
37.5°	2524.3	2508.2	2440.6	2324.8	2201.2	2042.7	1965.9	2045.0	2047.3	2065.6
40°	2741.6	2748.5	2702.1	2612.5	2506.3	2333.1	2185.6	2220.1	2206.3	2237.1
42.5°	2928.2	2942.0	2901.6	2856.5	2794.9	2642.4	2457.6	2451.7	2429.6	2446.1
45°	3089.5	3101.0	3064.7	3054.1	3052.7	2945.7	2755.0	2719.1	2688.3	2685.1
47.5°	3148.8	3170.8	3186.5	3221.9	3290.8	3245.8	3062.4	3006.8	2972.3	2947.1
50°	3171.3	3194.7	3248.1	3351.0	3514.1	3533.4	3368.5	3306.0	3263.7	3217.7
52.5°	3141.0	3182.8	3254.5	3427.7	3664.4	3764.1	3662.1	3607.4	3559.2	3484.3
55°	2962.2	3004.0	3150.6	3426.8	3739.3	3925.9	3939.7	3915.3	3861.1	3743.0
57.5°	2585.4	2647.4	2879.5	3310.1	3737.9	4065.1	4211.7	4229.2	4168.5	3999.4
60°	2063.3	2147.4	2430.5	3051.4	3622.6	4140.5	4450.2	4537.5	4473.2	4252.2
62.5°	1439.7	1537.2	1805.1	2646.1	3358.8	4086.3	4624.4	4785.7	4737.0	4478.2
65°	878.2	909.4	1125.4	2082.2	2910.3	3859.2	4678.2	4919.9	4903.8	4616.6
67.5°	585.0	611.2	673.2	1427.8	2259.1	3405.7	4549.5	4896.4	4901.0	4594.1
70°	352.5	375.0	415.4	830.4	1464.1	2695.7	4151.1	4597.7	4624.4	4293.1
72.5°	145.2	160.4	197.1	376.4	758.2	1710.9	3305.5	3947.5	4009.5	3609.7
75°	82.3	90.1	115.8	188.9	329.0	797.3	2002.2	2802.3	2893.7	2488.0
77.5°	54.7	58.4	74.9	122.2	185.2	272.0	855.7	1460.0	1634.6	1358.9
80°	36.8	40.0	51.5	81.8	120.4	116.7	272.5	540.9	665.4	466.9
82.5°	24.8	25.3	36.8	53.8	76.3	56.5	80.4	168.2	211.4	135.1
85°	14.2	13.8	27.1	31.2	34.0	23.4	24.4	50.5	66.2	57.0
87.5°	1.8	2.8	10.6	8.3	4.6	5.1	5.1	8.7	12.9	13.8
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°
797.3	0°	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3
798.2	2.5°	798.2	797.8	796.4	795.0	791.8	790.0	790.9	790.0	789.5
804.2	5°	804.2	802.8	799.1	794.6	788.1	780.3	775.2	767.9	761.0
820.3	7.5°	820.3	818.9	813.9	801.0	780.3	747.7	717.8	691.6	671.9
846.0	10°	846.0	843.7	835.9	807.4	753.2	682.0	622.7	573.5	541.3
876.3	12.5°	876.3	873.6	859.8	801.4	701.7	590.5	508.7	454.0	424.2
911.3	15°	912.2	908.5	881.4	773.0	626.8	489.4	414.5	373.6	354.3
955.9	17.5°	956.8	950.3	897.5	730.2	545.5	412.2	356.6	325.8	308.8
1014.2	20°	1014.7	1004.1	910.4	679.2	470.6	363.5	317.5	291.8	278.9
1096.9	22.5°	1095.6	1080.4	926.0	624.1	417.7	330.0	288.6	269.8	259.2
1212.3	25°	1195.7	1177.8	945.3	573.1	381.4	301.0	267.5	251.8	239.4
1363.5	27.5°	1335.9	1303.7	968.3	531.2	350.2	276.2	248.2	230.7	216.4
1534.9	30°	1492.1	1439.3	988.5	506.0	321.7	253.2	222.9	205.4	192.1
1688.8	32.5°	1640.1	1568.4	1001.8	494.9	295.9	227.0	195.3	176.5	166.4
1839.6	35°	1779.8	1685.1	1000.4	484.4	273.0	200.8	168.2	148.9	141.1
2001.8	37.5°	1940.7	1809.7	990.8	467.8	254.1	176.9	144.8	127.8	120.9
2198.9	40°	2127.7	1953.5	984.8	436.6	233.4	154.9	125.5	111.7	106.6
2406.6	42.5°	2327.1	2092.8	985.7	401.2	207.7	135.1	112.1	100.6	96.0
2637.8	45°	2527.5	2225.6	987.1	364.4	180.6	119.9	102.5	92.8	90.1
2872.1	47.5°	2715.9	2338.6	961.4	324.9	153.9	108.5	94.7	88.2	85.9
3107.4	50°	2891.4	2414.0	899.3	278.9	132.8	99.3	88.7	84.1	81.8
3320.7	52.5°	3027.9	2425.9	796.8	231.6	118.1	92.4	85.0	80.9	78.1
3493.0	55°	3088.6	2351.0	651.2	187.5	106.6	86.4	81.3	77.2	74.0
3628.6	57.5°	3073.0	2193.4	507.8	150.7	95.6	80.4	76.7	74.0	70.3
3738.4	60°	2996.2	1982.5	382.8	125.5	85.5	74.0	71.7	69.4	64.3
3780.7	62.5°	2863.4	1717.3	273.0	103.9	74.4	66.6	65.7	63.9	56.5
3718.2	65°	2660.3	1395.2	183.8	86.4	63.9	58.4	58.8	55.6	46.0
3489.3	67.5°	2363.4	1020.2	117.6	70.8	53.3	48.7	49.2	47.3	39.1
3055.5	70°	1985.2	675.5	76.7	53.8	42.7	37.7	40.4	40.9	33.1
2345.0	72.5°	1455.4	398.9	53.8	40.0	31.2	26.2	33.1	34.0	26.7
1410.8	75°	829.5	189.3	40.4	29.0	19.3	18.4	25.7	25.7	18.4
610.7	77.5°	348.3	79.0	28.5	18.8	11.0	10.6	17.5	16.1	9.2
148.9	80°	100.6	35.4	15.2	9.2	4.6	4.1	6.9	5.1	2.3
56.5	82.5°	39.5	15.6	6.0	3.7	1.8	1.8	0.9	0.0	0.0
32.2	85°	23.4	6.4	2.8	1.4	0.5	0.0	0.0	0.0	0.0
6.9	87.5°	6.0	1.4	0.9	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

(END O



180°
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797.3
791.8
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