

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: P846157

Luminaire Tested: **GLAN-SB1C-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846157  
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-SB1C-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3784 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

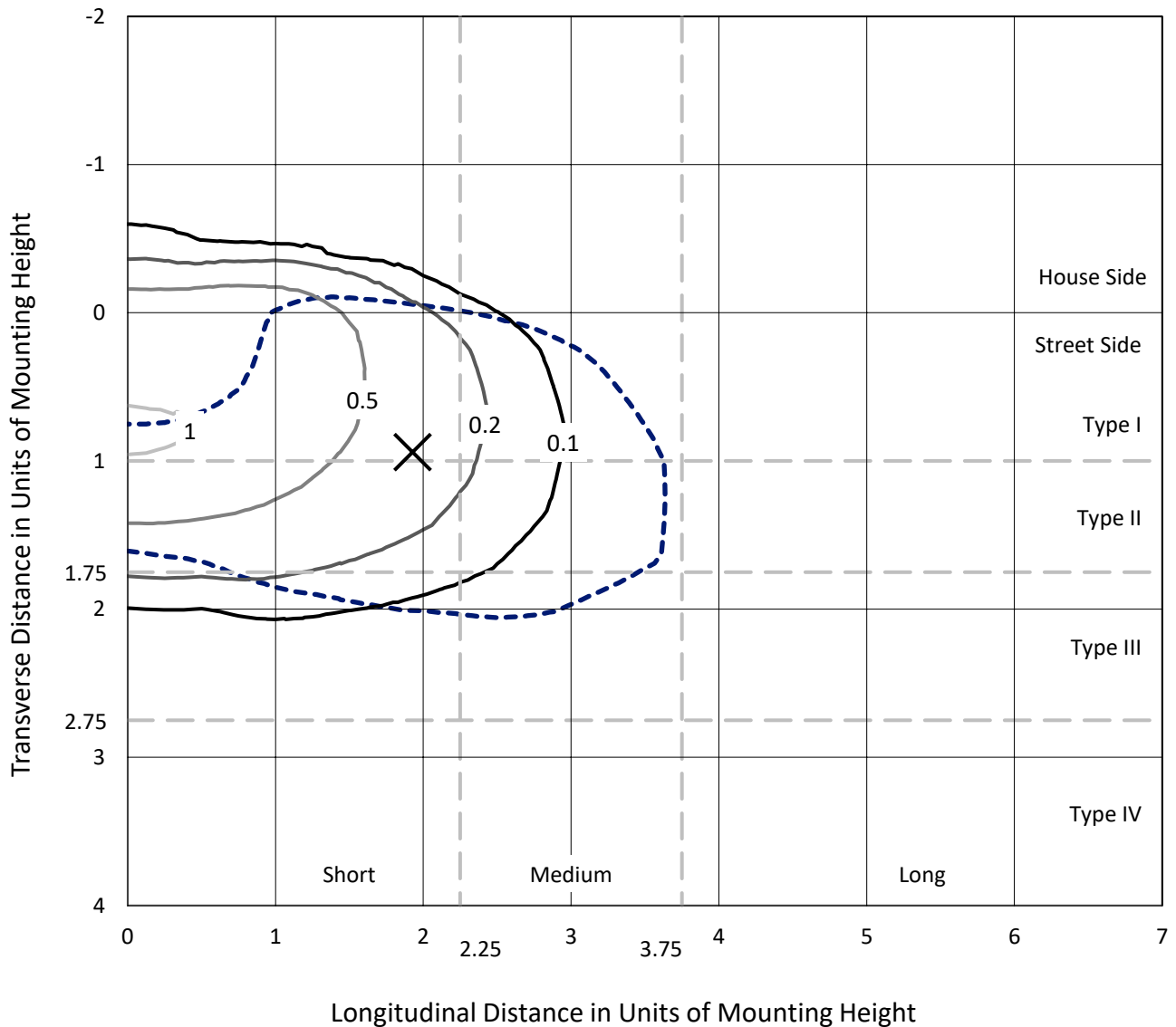
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

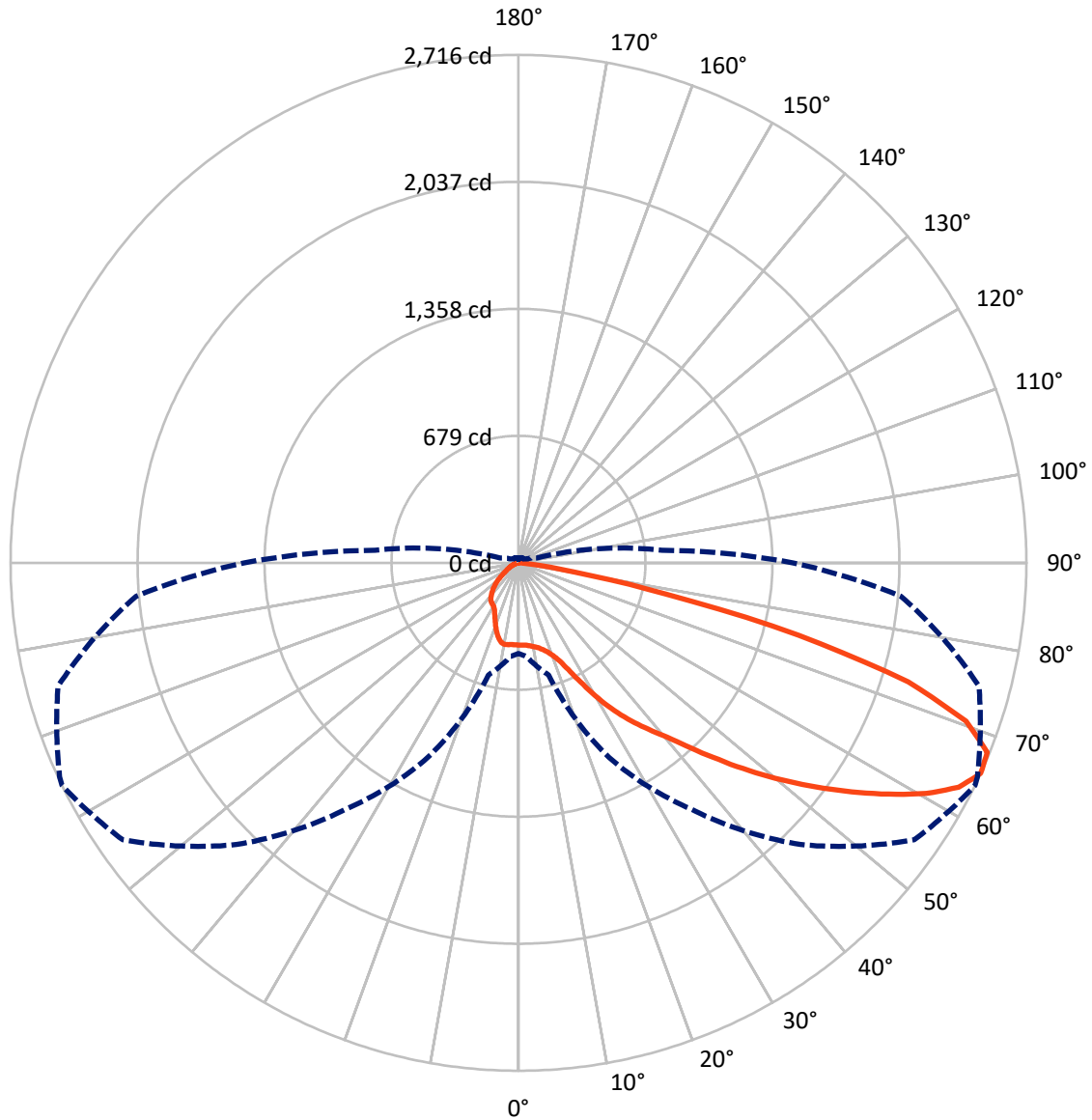
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	506.0	0.0	506.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	3278.0	0.0	3278.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	3784.0	0.0	3784.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.6	1.1
10°-20°	110.1	2.9
20°-30°	208.7	5.5
30°-40°	422.3	11.2
40°-50°	719.4	19.0
50°-60°	978.3	25.9
60°-70°	918.7	24.3
70°-80°	368.1	9.7
80°-90°	17.8	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°	3784.0	100.0
0°-180°	3784.0	100.0

**Coefficient of Utilization**



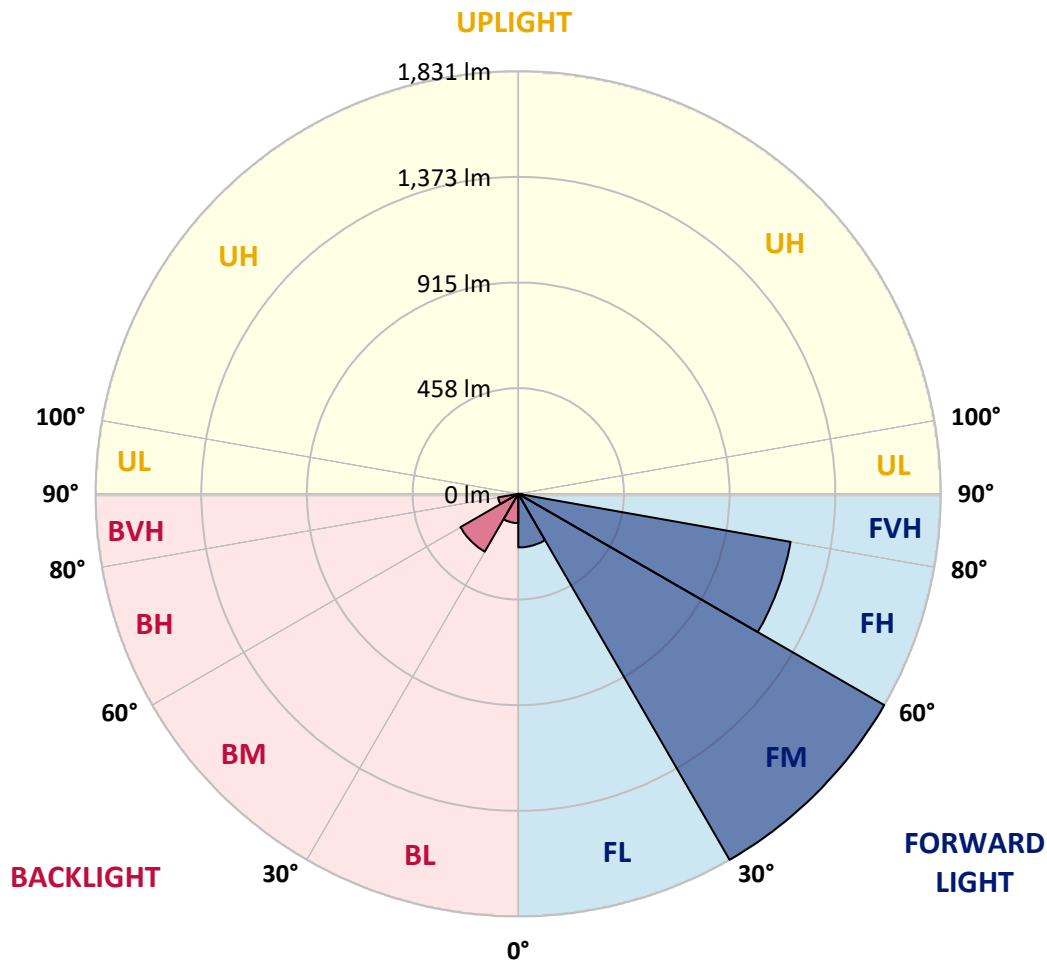
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.4	6.1			
FM (30°-60°)	1830.7	48.4			
FH (60°-80°)	1197.9	31.7			G1/1800
FVH (80°-90°)	17.0	0.4			G1/100
BL (0°-30°)	127.1	3.4	B1/500		
BM (30°-60°)	289.3	7.6	B1/1000		
BH (60°-80°)	88.8	2.3	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-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1
2.5°	438.6	441.6	440.9	440.1	439.9	440.4	440.6	440.4	440.4	440.4
5°	430.2	432.8	432.8	434.5	437.1	440.1	442.4	442.9	443.4	444.2
7.5°	414.2	416.3	417.8	423.6	430.0	438.1	444.9	448.5	449.0	451.8
10°	403.3	405.9	408.4	414.5	423.6	435.8	447.5	456.1	457.4	464.0
12.5°	402.8	405.4	408.7	415.3	425.9	438.9	453.1	465.5	467.8	477.4
15°	408.2	411.2	414.2	422.4	433.8	449.5	464.7	480.2	482.5	496.2
17.5°	419.1	423.1	425.4	433.5	445.7	463.2	483.2	501.0	503.0	519.0
20°	440.6	445.4	446.2	452.8	464.7	483.5	507.3	529.4	531.9	550.2
22.5°	485.3	492.1	486.0	489.3	500.0	518.8	544.6	572.5	576.1	596.9
25°	563.9	573.5	557.8	552.2	556.8	576.3	608.8	644.1	648.1	664.9
27.5°	718.4	706.0	682.1	658.8	645.1	656.2	692.8	736.4	741.5	757.7
30°	888.1	877.2	845.0	793.2	760.8	759.0	792.7	841.4	847.3	862.7
32.5°	1058.1	1047.7	1012.7	949.0	892.7	864.8	888.1	942.1	945.2	955.1
35°	1225.2	1214.6	1179.6	1114.4	1045.1	981.7	977.1	1038.0	1039.0	1049.4
37.5°	1393.4	1384.5	1347.2	1283.3	1215.1	1127.6	1085.2	1128.8	1130.1	1140.2
40°	1513.4	1517.2	1491.6	1442.1	1383.5	1287.9	1206.5	1225.5	1217.9	1234.9
42.5°	1616.4	1624.0	1601.7	1576.8	1542.8	1458.6	1356.6	1353.3	1341.2	1350.3
45°	1705.4	1711.8	1691.7	1685.9	1685.1	1626.0	1520.8	1501.0	1484.0	1482.2
47.5°	1738.2	1750.3	1759.0	1778.5	1816.5	1791.7	1690.5	1659.8	1640.7	1626.8
50°	1750.6	1763.5	1792.9	1849.8	1939.8	1950.5	1859.4	1824.9	1801.6	1776.2
52.5°	1733.8	1756.9	1796.5	1892.1	2022.8	2077.8	2021.5	1991.3	1964.7	1923.3
55°	1635.2	1658.2	1739.2	1891.6	2064.1	2167.1	2174.7	2161.3	2131.3	2066.1
57.5°	1427.2	1461.4	1589.5	1827.2	2063.4	2244.0	2324.9	2334.5	2301.0	2207.7
60°	1139.0	1185.4	1341.7	1684.4	1999.7	2285.6	2456.5	2504.7	2469.2	2347.2
62.5°	794.7	848.5	996.4	1460.6	1854.1	2255.6	2552.7	2641.7	2614.8	2472.0
65°	484.8	502.0	621.2	1149.4	1606.5	2130.3	2582.4	2715.8	2706.9	2548.4
67.5°	322.9	337.4	371.6	788.2	1247.0	1880.0	2511.3	2702.9	2705.4	2535.9
70°	194.6	207.0	229.3	458.4	808.2	1488.0	2291.4	2538.0	2552.7	2369.8
72.5°	80.2	88.5	108.8	207.8	418.6	944.4	1824.7	2179.0	2213.3	1992.6
75°	45.4	49.7	63.9	104.3	181.6	440.1	1105.2	1546.9	1597.4	1373.4
77.5°	30.2	32.2	41.3	67.5	102.2	150.2	472.3	805.9	902.3	750.1
80°	20.3	22.1	28.4	45.2	66.5	64.4	150.4	298.6	367.3	257.7
82.5°	13.7	14.0	20.3	29.7	42.1	31.2	44.4	92.8	116.7	74.6
85°	7.9	7.6	15.0	17.2	18.8	12.9	13.4	27.9	36.5	31.5
87.5°	1.0	1.5	5.8	4.6	2.5	2.8	2.8	4.8	7.1	7.6
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°
440.1	0°	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1
440.6	2.5°	440.6	440.4	439.6	438.9	437.1	436.1	436.6	436.1	435.8	436.1
443.9	5°	443.9	443.2	441.1	438.6	435.0	430.7	427.9	423.9	420.1	417.8
452.8	7.5°	452.8	452.0	449.3	442.1	430.7	412.7	396.2	381.8	370.9	364.5
467.0	10°	467.0	465.7	461.4	445.7	415.8	376.4	343.7	316.6	298.8	290.5
483.7	12.5°	483.7	482.2	474.6	442.4	387.4	326.0	280.8	250.6	234.1	226.8
503.0	15°	503.5	501.5	486.5	426.7	346.0	270.2	228.8	206.2	195.6	189.0
527.6	17.5°	528.1	524.6	495.4	403.1	301.1	227.5	196.8	179.9	170.5	164.1
559.9	20°	560.1	554.3	502.5	374.9	259.8	200.7	175.3	161.1	154.0	148.4
605.5	22.5°	604.8	596.4	511.1	344.5	230.6	182.1	159.3	148.9	143.1	136.7
669.2	25°	660.1	650.2	521.8	316.3	210.5	166.2	147.6	139.0	132.2	124.8
752.6	27.5°	737.4	719.7	534.5	293.2	193.3	152.5	137.0	127.3	119.5	113.4
847.3	30°	823.7	794.5	545.6	279.3	177.6	139.8	123.0	113.4	106.0	101.7
932.2	32.5°	905.4	865.8	553.0	273.2	163.4	125.3	107.8	97.4	91.8	90.6
1015.4	35°	982.5	930.2	552.2	267.4	150.7	110.9	92.8	82.2	77.9	78.6
1105.0	37.5°	1071.3	999.0	546.9	258.2	140.3	97.7	79.9	70.5	66.7	67.0
1213.8	40°	1174.5	1078.4	543.6	241.0	128.9	85.5	69.3	61.6	58.9	57.8
1328.5	42.5°	1284.6	1155.2	544.1	221.5	114.7	74.6	61.9	55.6	53.0	52.3
1456.1	45°	1395.2	1228.5	544.9	201.2	99.7	66.2	56.6	51.2	49.7	48.7
1585.4	47.5°	1499.2	1290.9	530.7	179.3	85.0	59.9	52.3	48.7	47.4	46.2
1715.3	50°	1596.1	1332.5	496.4	154.0	73.3	54.8	49.0	46.4	45.2	43.9
1833.0	52.5°	1671.4	1339.1	439.9	127.8	65.2	51.0	46.9	44.6	43.1	41.9
1928.2	55°	1704.9	1297.8	359.5	103.5	58.9	47.7	44.9	42.6	40.8	39.6
2003.0	57.5°	1696.3	1210.8	280.3	83.2	52.8	44.4	42.4	40.8	38.8	36.8
2063.6	60°	1653.9	1094.3	211.3	69.3	47.2	40.8	39.6	38.3	35.5	32.5
2086.9	62.5°	1580.6	948.0	150.7	57.3	41.1	36.8	36.3	35.3	31.2	25.6
2052.4	65°	1468.5	770.1	101.5	47.7	35.3	32.2	32.5	30.7	25.4	19.0
1926.1	67.5°	1304.6	563.1	64.9	39.1	29.4	26.9	27.1	26.1	21.6	16.2
1686.7	70°	1095.9	372.9	42.4	29.7	23.6	20.8	22.3	22.6	18.3	13.2
1294.5	72.5°	803.4	220.2	29.7	22.1	17.2	14.5	18.3	18.8	14.7	9.9
778.8	75°	457.9	104.5	22.3	16.0	10.7	10.1	14.2	14.2	10.1	6.6
337.1	77.5°	192.3	43.6	15.7	10.4	6.1	5.8	9.6	8.9	5.1	3.0
82.2	80°	55.6	19.5	8.4	5.1	2.5	2.3	3.8	2.8	1.3	0.5
31.2	82.5°	21.8	8.6	3.3	2.0	1.0	1.0	0.5	0.0	0.0	0.0
17.8	85°	12.9	3.6	1.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0
3.8	87.5°	3.3	0.8	0.5	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°
440.1
437.1
418.3
364.8
289.7
226.0
189.2
163.6
147.4
135.7
124.0
112.1
101.0
91.3
78.6
68.0
57.6
52.0
48.7
46.2
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39.3
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