

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: P852188

Luminaire Tested: **GLAN-SB2A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852188  
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-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

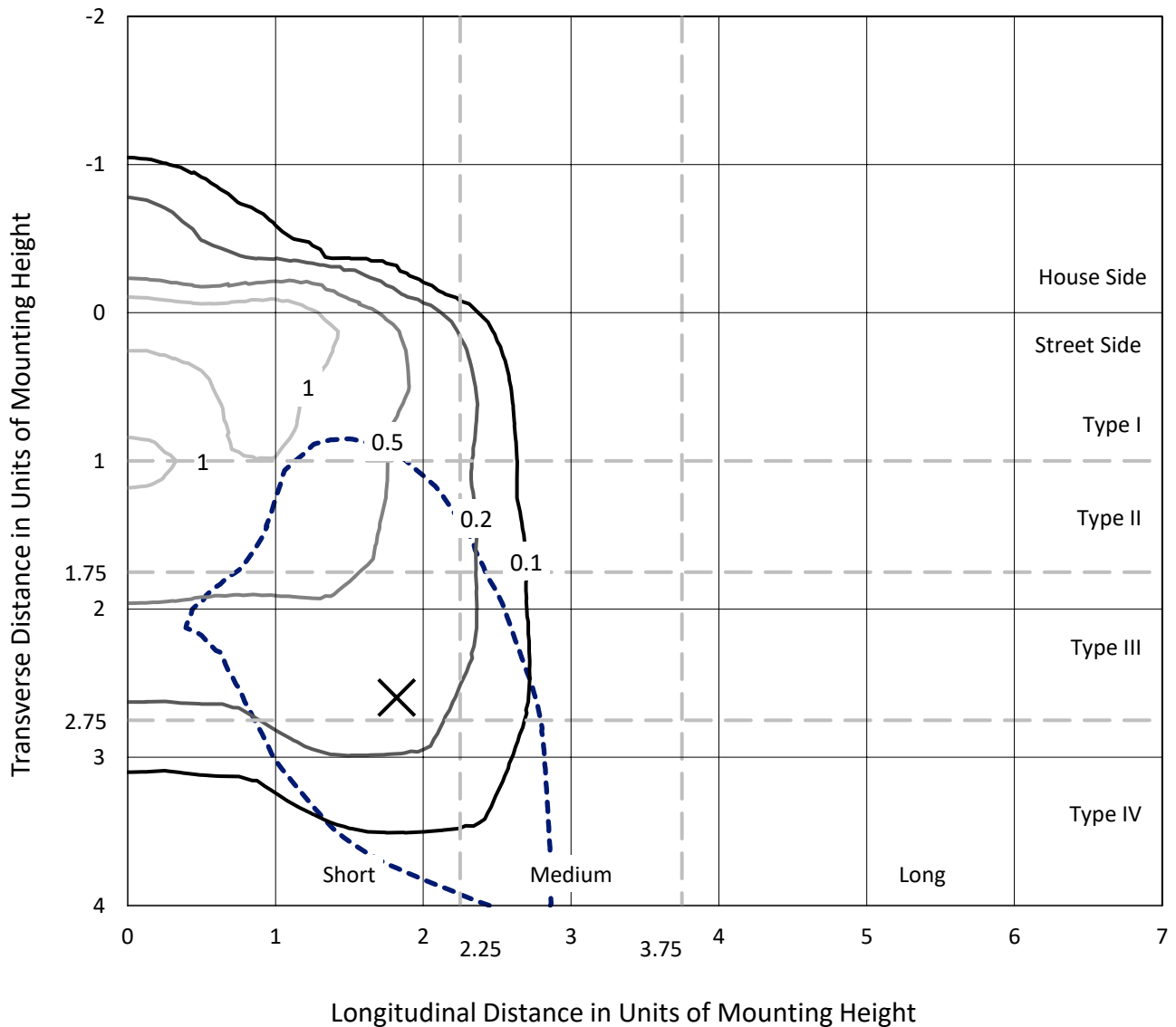
Lumens per Lamp: N/A  
Luminaire Lumens: 6561 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

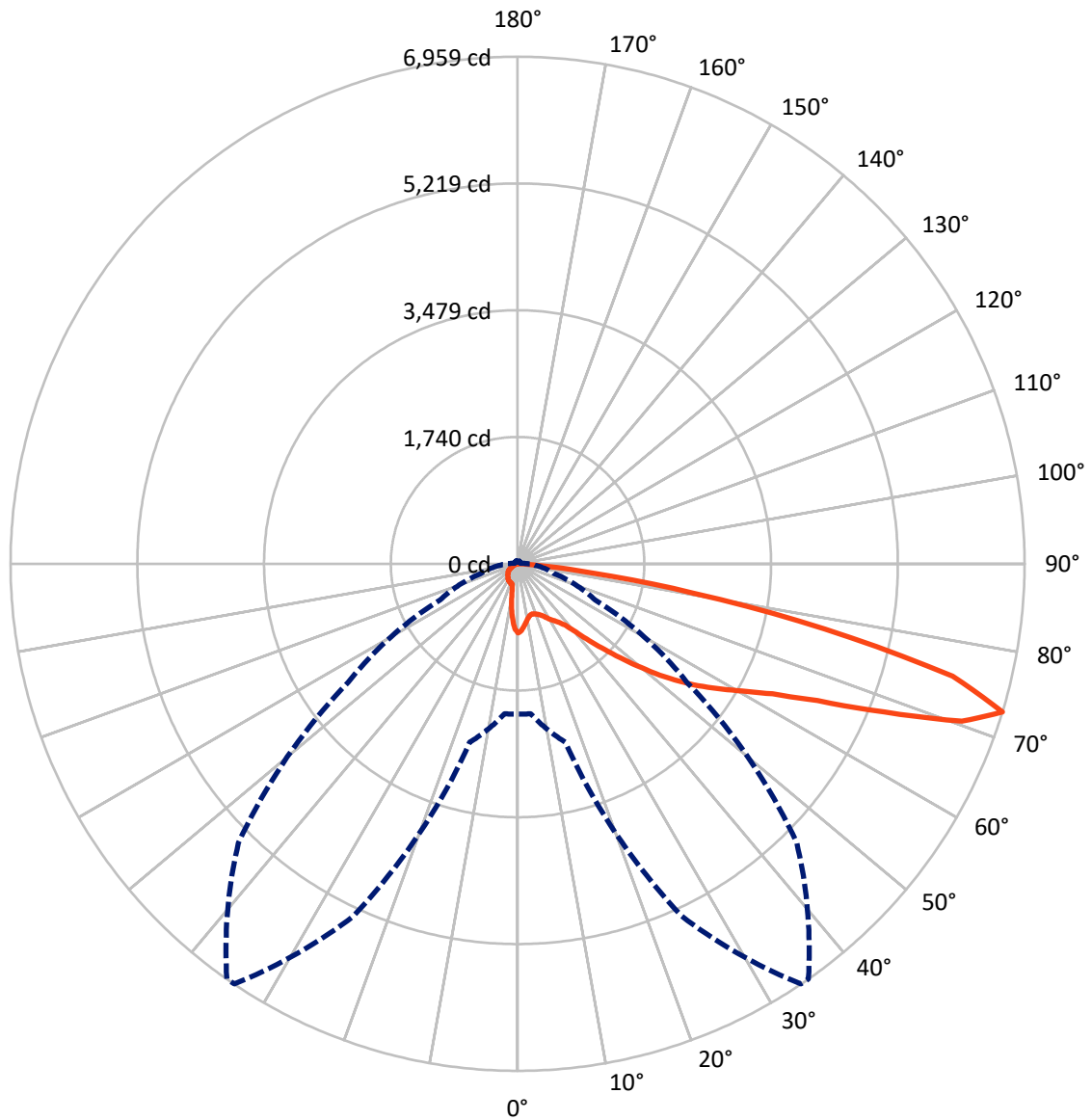
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	738.4	0.0	738.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	5822.6	0.0	5822.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	6561.0	0.0	6561.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.1	1.2
10°-20°	182.8	2.8
20°-30°	297.0	4.5
30°-40°	495.5	7.6
40°-50°	937.4	14.3
50°-60°	1489.6	22.7
60°-70°	1842.7	28.1
70°-80°	1145.4	17.5
80°-90°	92.6	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°	6561.0	100.0
0°-180°	6561.0	100.0

**Coefficient of Utilization**



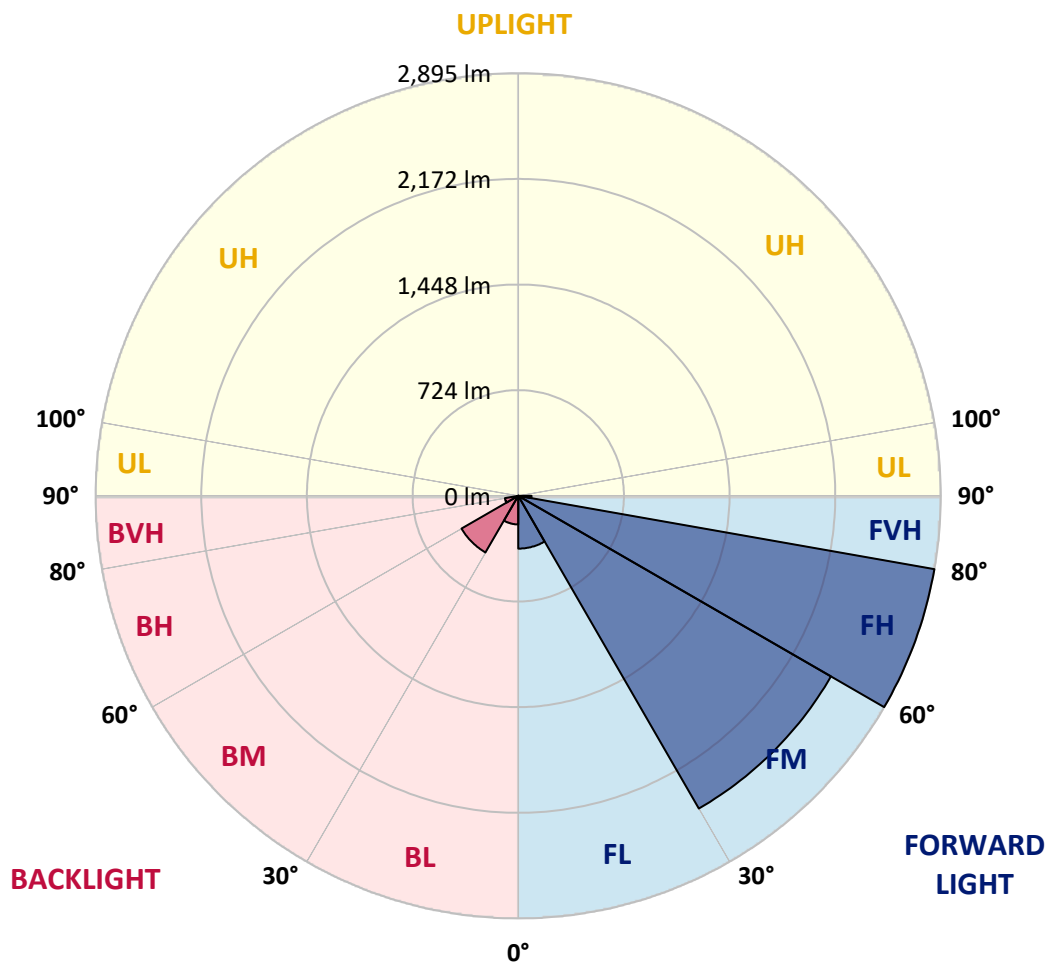
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.7	5.5			
FM	(30°-60°)	2474.2	37.7			
FH	(60°-80°)	2895.4	44.1			G2/5000
FVH	(80°-90°)	91.3	1.4			G1/100
BL	(0°-30°)	196.2	3.0	B1/500		
BM	(30°-60°)	448.3	6.8	B1/1000		
BH	(60°-80°)	92.7	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	908.6	916.3	917.7	920.1	920.1	923.0	927.8	934.6	945.6	951.4
5°	837.5	843.2	850.4	856.2	867.3	868.7	887.5	905.7	931.2	950.4
7.5°	765.8	772.6	782.2	796.1	810.5	814.9	843.2	874.0	914.4	950.4
10°	715.3	715.8	724.5	738.4	761.5	766.8	801.4	845.1	895.6	944.7
12.5°	687.0	690.3	694.2	704.8	726.9	730.2	767.3	818.7	876.9	941.3
15°	687.0	689.4	691.8	697.1	714.9	717.7	750.4	801.9	867.3	942.7
17.5°	694.2	698.0	696.1	702.4	721.1	723.0	751.9	797.1	866.8	951.9
20°	711.5	714.4	710.5	714.4	733.1	737.0	766.8	806.2	875.0	967.7
22.5°	738.9	740.3	731.2	734.1	753.3	758.1	792.7	832.2	894.7	993.2
25°	773.5	776.4	762.5	765.8	784.1	789.9	829.8	871.1	925.9	1028.3
27.5°	813.4	814.9	802.8	802.4	825.9	834.1	874.5	919.2	967.7	1072.5
30°	859.1	863.4	851.9	850.0	879.8	886.5	926.4	978.3	1029.3	1138.9
32.5°	895.1	898.5	891.8	896.6	926.9	932.2	989.4	1062.0	1125.9	1233.1
35°	947.1	949.0	933.6	942.3	976.9	990.3	1075.4	1179.3	1247.5	1351.4
37.5°	1135.0	1135.0	1069.7	1026.9	1060.0	1072.1	1193.2	1326.8	1397.5	1510.0
40°	1395.1	1390.8	1295.1	1207.6	1203.3	1226.9	1361.0	1512.9	1591.3	1700.4
42.5°	1672.5	1665.8	1535.5	1449.0	1434.5	1442.7	1554.7	1742.2	1822.0	1932.6
45°	1918.6	1916.7	1797.5	1681.2	1655.2	1681.2	1796.5	2010.5	2067.7	2184.0
47.5°	2124.9	2124.9	2037.9	1961.9	1948.4	1963.8	2123.9	2308.0	2302.8	2451.8
50°	2362.4	2360.4	2277.8	2245.1	2259.0	2280.6	2500.8	2621.5	2546.0	2714.8
52.5°	2528.7	2540.2	2511.9	2506.6	2577.7	2615.2	2883.5	2928.2	2763.8	2964.3
55°	2660.4	2673.9	2706.6	2743.6	2880.6	2929.6	3254.1	3219.1	2946.0	3180.6
57.5°	2847.0	2827.7	2878.2	2951.3	3172.9	3232.0	3613.3	3493.6	3092.6	3356.1
60°	3073.4	3076.3	3084.9	3177.2	3464.7	3540.7	3967.1	3753.2	3186.8	3463.8
62.5°	3345.5	3349.8	3367.6	3509.4	3856.5	3928.1	4344.0	3965.6	3230.1	3433.5
65°	3326.7	3345.0	3543.6	4028.6	4452.2	4522.8	4783.9	4114.7	3164.7	3156.6
67.5°	3030.6	3060.4	3392.6	4648.8	5350.2	5429.0	5315.6	4144.0	2882.5	2454.7
70°	2642.2	2652.7	3052.2	5206.4	6390.0	6469.8	5791.5	3821.4	2187.4	1369.2
72.5°	2063.3	2065.8	2534.5	5335.8	6954.4	6958.7	5418.0	2836.9	1176.4	525.9
75°	1474.0	1459.5	1697.5	4327.2	6118.4	6167.4	4061.8	1330.7	449.5	248.5
77.5°	790.3	806.2	960.5	2566.2	4226.7	4310.3	2216.2	383.6	228.8	169.2
80°	244.2	257.7	393.7	1174.9	2394.1	2444.6	821.6	170.7	159.6	120.7
82.5°	76.9	79.8	183.6	493.7	993.7	1016.8	238.0	96.6	109.1	79.8
85°	22.1	22.6	81.7	184.1	245.7	250.5	66.8	37.5	62.5	49.5
87.5°	2.4	7.7	30.8	30.8	21.6	21.2	7.2	8.2	17.8	6.2
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°
950.9	0°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
955.2	2.5°	952.8	953.3	947.1	936.5	924.9	915.3	903.3	893.7	887.0	885.0
963.9	5°	959.6	956.2	938.4	906.2	867.7	834.6	797.6	768.2	749.0	740.8
973.0	7.5°	969.7	960.0	921.1	857.6	784.1	718.7	652.4	600.9	568.2	551.9
981.7	10°	978.3	959.1	892.3	787.5	675.0	575.9	486.5	424.5	389.9	373.5
991.8	12.5°	986.5	958.6	854.8	704.3	551.9	430.7	347.6	316.8	307.2	303.8
1008.1	15°	1001.9	960.0	807.6	609.1	429.3	325.5	295.2	294.7	296.6	295.7
1033.1	17.5°	1023.0	961.5	754.3	508.1	331.2	287.0	285.6	289.9	292.8	291.3
1064.4	20°	1050.4	967.3	697.6	408.2	284.6	277.4	280.8	284.6	287.0	284.6
1106.2	22.5°	1088.9	977.3	635.5	327.9	269.7	271.6	274.5	278.8	281.2	277.9
1159.6	25°	1136.0	993.2	574.5	285.1	262.5	264.9	269.2	274.0	276.9	273.5
1226.9	27.5°	1197.0	1018.7	518.2	275.5	255.3	256.7	263.0	270.2	274.0	269.7
1322.5	30°	1285.5	1060.5	469.7	279.8	250.9	247.6	256.2	266.3	270.7	266.8
1452.8	32.5°	1402.8	1119.6	439.9	286.5	249.0	237.0	245.2	258.2	265.4	263.0
1623.0	35°	1556.6	1209.5	428.3	294.2	247.6	225.9	231.7	245.7	258.2	260.6
1837.4	37.5°	1743.2	1334.5	431.7	297.6	243.3	216.8	219.7	231.7	248.1	255.8
2078.7	40°	1955.2	1480.2	450.9	294.2	238.4	209.1	209.6	218.7	233.2	244.7
2338.3	42.5°	2173.9	1650.4	486.5	281.7	234.1	202.4	201.0	207.2	216.8	225.0
2597.5	45°	2382.1	1825.4	521.6	264.4	228.8	195.7	192.3	194.7	196.6	200.0
2849.8	47.5°	2563.8	1948.4	511.5	248.5	221.6	188.0	182.2	181.2	175.5	175.0
3075.3	50°	2689.3	1975.4	454.3	232.7	211.0	179.3	170.2	164.4	154.3	149.5
3244.1	52.5°	2729.2	1869.1	371.1	216.8	193.7	167.8	154.8	145.7	133.2	128.8
3341.2	55°	2676.3	1661.0	296.6	197.6	169.7	152.4	138.0	126.0	115.9	110.6
3351.7	57.5°	2547.0	1396.1	234.6	175.0	144.2	135.1	120.7	108.6	100.0	94.7
3234.4	60°	2332.6	1108.6	185.6	148.1	123.1	116.3	101.4	93.7	86.1	79.8
2931.6	62.5°	2007.1	791.3	145.7	117.3	102.9	95.2	86.5	80.8	71.6	63.0
2386.9	65°	1566.3	484.1	112.5	86.1	82.7	78.8	73.6	68.3	57.2	48.6
1557.1	67.5°	987.9	229.3	80.3	64.9	65.4	63.5	61.1	56.7	48.6	40.9
697.6	70°	435.1	111.1	52.9	49.5	48.6	48.6	50.5	49.0	41.3	34.1
242.3	72.5°	148.1	59.6	39.4	37.5	35.1	34.6	42.3	40.9	33.2	26.4
120.7	75°	77.4	39.9	28.8	26.9	21.2	25.5	33.7	31.7	23.6	17.3
79.8	77.5°	50.5	28.4	19.7	17.3	12.0	16.8	25.0	22.1	13.9	8.7
52.4	80°	31.7	18.7	11.5	8.2	5.8	9.1	13.5	9.6	5.3	1.9
30.8	82.5°	16.8	9.6	4.3	2.9	2.4	2.9	3.4	2.4	1.0	0.0
15.9	85°	6.7	3.4	1.4	1.0	0.5	0.0	1.0	0.5	0.0	0.0
2.9	87.5°	2.4	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°
950.9
888.4
743.7
554.3
374.0
302.9
295.2
290.8
284.1
277.4
273.1
269.7
266.3
263.0
260.6
257.7
248.5
228.4
201.9
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150.0
128.4
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