

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: P852244

Luminaire Tested: **GLAN-SB2B-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852244  
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-SB2B-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 450mA 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: 5752 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

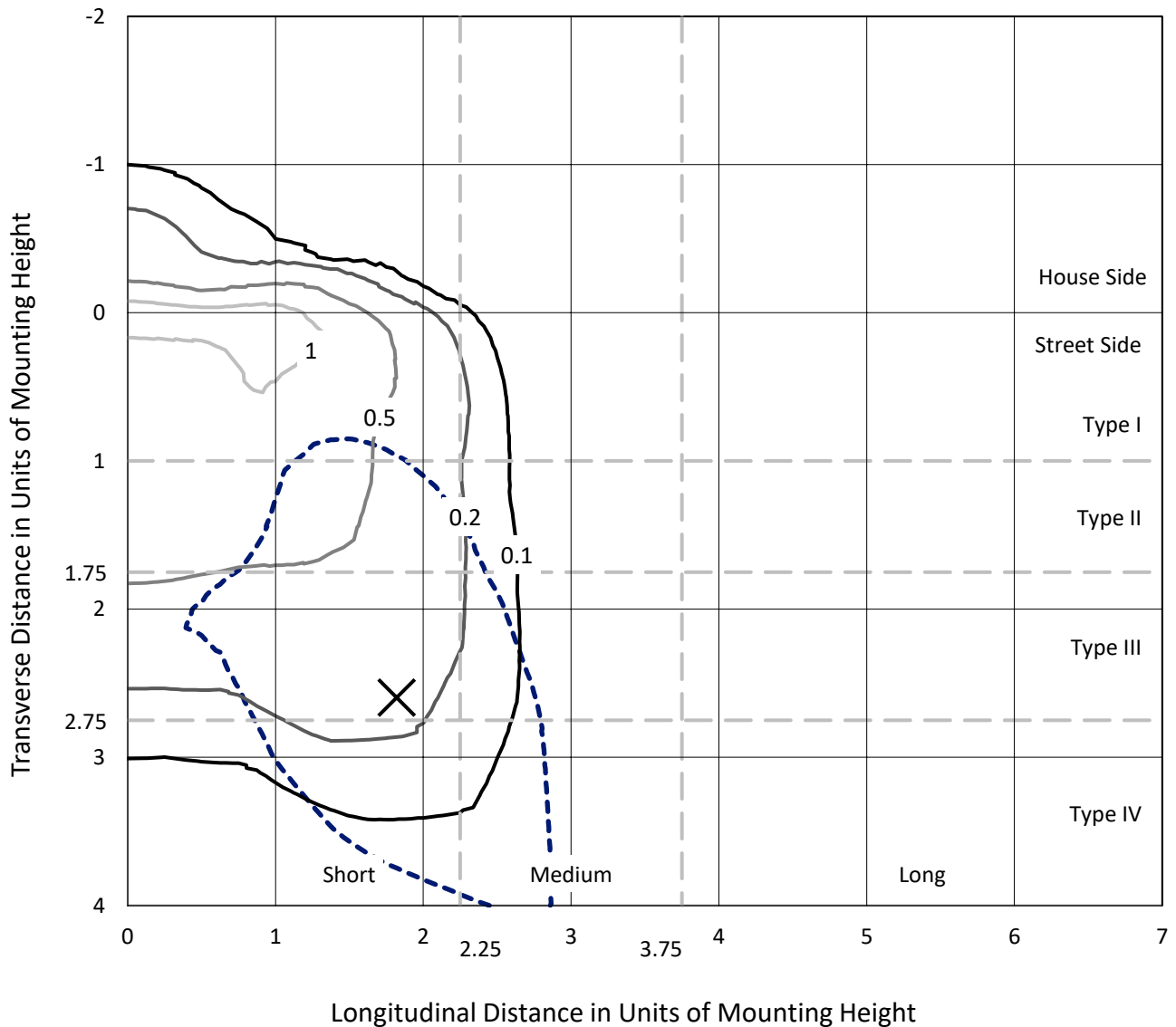
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

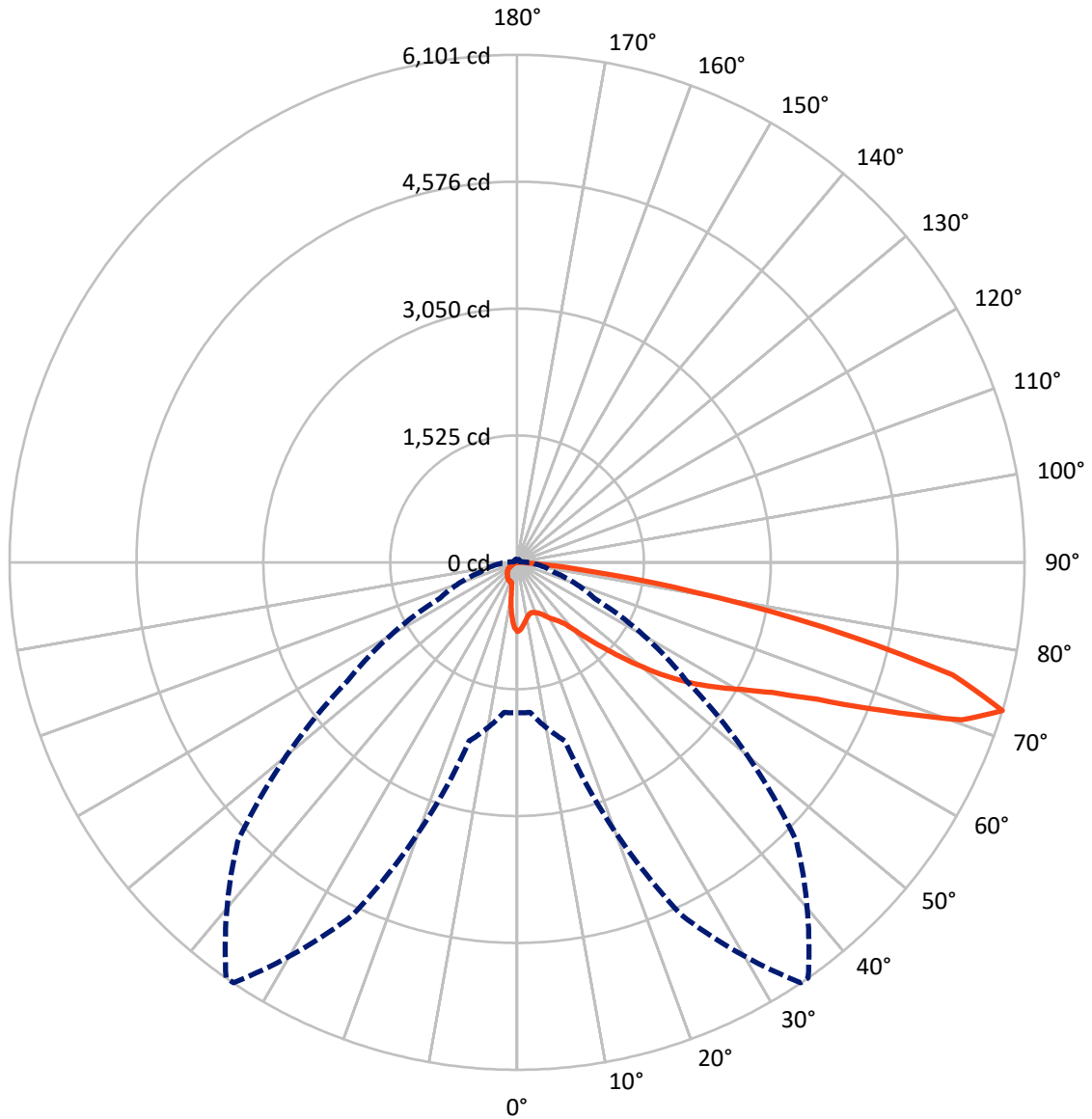
× Max cd  
 - - - 1/2 Max cd



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	647.4	0.0	647.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	5104.6	0.0	5104.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	5752.0	0.0	5752.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.5	1.2
10°-20°	160.3	2.8
20°-30°	260.3	4.5
30°-40°	434.4	7.6
40°-50°	821.8	14.3
50°-60°	1305.9	22.7
60°-70°	1615.5	28.1
70°-80°	1004.2	17.5
80°-90°	81.2	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°	5752.0	100.0
0°-180°	5752.0	100.0

**Coefficient of Utilization**

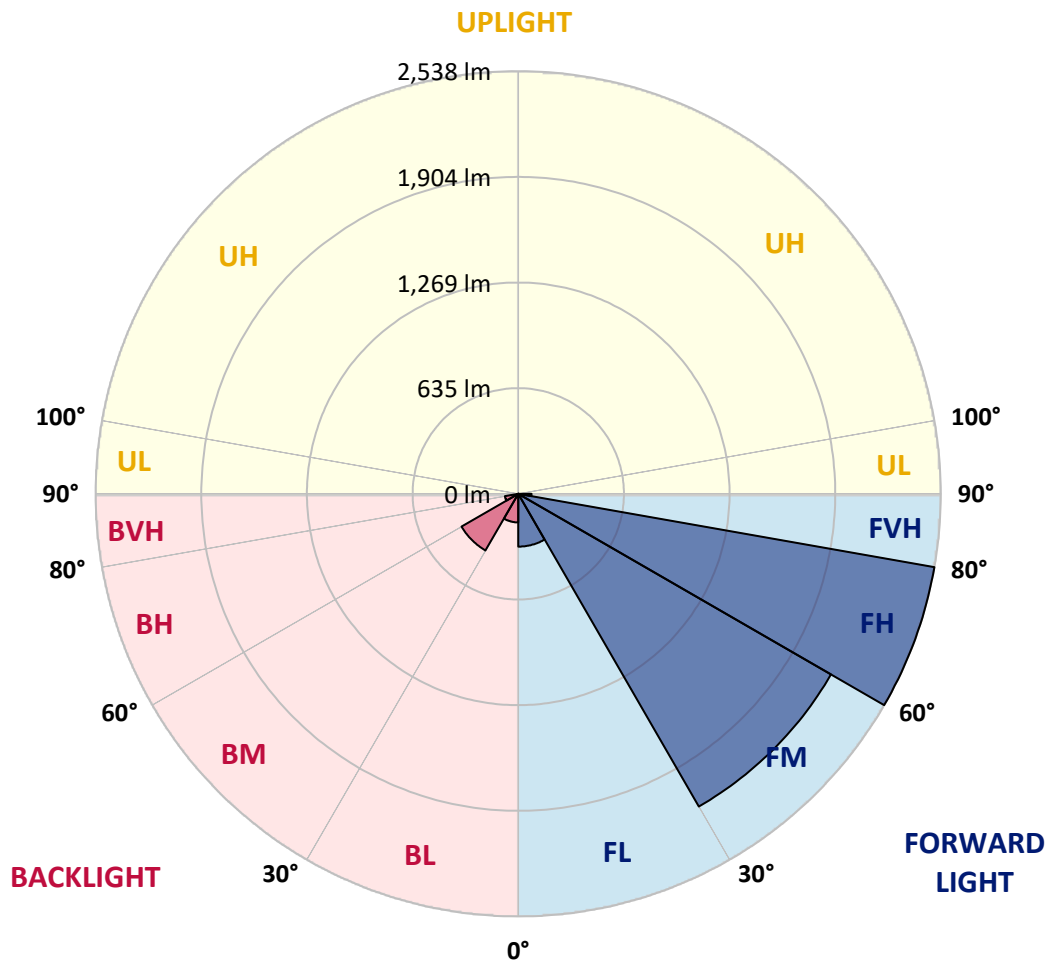


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.1	5.5			
FM (30°-60°)	2169.1	37.7			
FH (60°-80°)	2538.4	44.1			G2/5000
FVH (80°-90°)	80.1	1.4			G1/100
BL (0°-30°)	172.0	3.0	B1/500		
BM (30°-60°)	393.0	6.8	B1/1000		
BH (60°-80°)	81.2	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°	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7
2.5°	796.6	803.3	804.6	806.7	806.7	809.2	813.4	819.3	829.0	834.1
5°	734.2	739.2	745.6	750.6	760.3	761.6	778.0	794.0	816.4	833.2
7.5°	671.4	677.3	685.7	697.9	710.6	714.4	739.2	766.2	801.6	833.2
10°	627.1	627.6	635.1	647.4	667.6	672.2	702.6	740.9	785.2	828.2
12.5°	602.3	605.2	608.6	617.9	637.3	640.2	672.7	717.8	768.8	825.2
15°	602.3	604.4	606.5	611.1	626.7	629.2	657.9	703.0	760.3	826.5
17.5°	608.6	612.0	610.3	615.8	632.2	633.9	659.2	698.8	759.9	834.5
20°	623.8	626.3	622.9	626.3	642.7	646.1	672.2	706.8	767.1	848.4
22.5°	647.8	649.1	641.0	643.6	660.4	664.7	695.0	729.6	784.3	870.7
25°	678.1	680.7	668.4	671.4	687.4	692.5	727.4	763.7	811.7	901.5
27.5°	713.1	714.4	703.8	703.4	724.1	731.2	766.6	805.8	848.4	940.3
30°	753.2	757.0	746.8	745.2	771.3	777.2	812.2	857.7	902.4	998.5
32.5°	784.8	787.7	781.8	786.0	812.6	817.2	867.4	931.0	987.1	1081.1
35°	830.3	832.0	818.5	826.1	856.4	868.2	942.8	1033.9	1093.7	1184.7
37.5°	995.1	995.1	937.8	900.2	929.3	939.9	1046.1	1163.2	1225.2	1323.8
40°	1223.1	1219.3	1135.4	1058.7	1054.9	1075.6	1193.2	1326.4	1395.0	1490.7
42.5°	1466.3	1460.4	1346.2	1270.3	1257.7	1264.8	1363.0	1527.4	1597.4	1694.3
45°	1682.1	1680.4	1575.9	1473.9	1451.1	1473.9	1575.0	1762.6	1812.7	1914.7
47.5°	1862.9	1862.9	1786.6	1720.0	1708.2	1721.7	1862.0	2023.5	2018.8	2149.5
50°	2071.1	2069.4	1996.9	1968.2	1980.5	1999.4	2192.5	2298.2	2232.1	2380.0
52.5°	2216.9	2227.0	2202.2	2197.5	2259.9	2292.8	2527.9	2567.1	2423.0	2598.8
55°	2332.4	2344.2	2372.8	2405.3	2525.4	2568.4	2852.9	2822.1	2582.7	2788.4
57.5°	2495.9	2479.1	2523.3	2587.4	2781.7	2833.5	3167.7	3062.8	2711.3	2942.2
60°	2694.4	2697.0	2704.5	2785.5	3037.5	3104.1	3477.9	3290.4	2793.9	3036.7
62.5°	2933.0	2936.8	2952.4	3076.7	3381.0	3443.8	3808.4	3476.7	2831.8	3010.1
65°	2916.5	2932.6	3106.6	3531.9	3903.2	3965.1	4194.0	3607.3	2774.5	2767.3
67.5°	2656.9	2683.0	2974.3	4075.6	4690.5	4759.6	4660.1	3633.0	2527.1	2152.0
70°	2316.4	2325.6	2675.9	4564.5	5602.1	5672.1	5077.4	3350.2	1917.7	1200.3
72.5°	1808.9	1811.0	2222.0	4677.8	6096.9	6100.7	4749.9	2487.1	1031.3	461.1
75°	1292.2	1279.6	1488.2	3793.6	5364.0	5407.0	3561.0	1166.6	394.1	217.9
77.5°	692.9	706.8	842.1	2249.8	3705.5	3778.9	1943.0	336.3	200.6	148.4
80°	214.1	225.9	345.2	1030.1	2098.9	2143.1	720.3	149.6	139.9	105.8
82.5°	67.4	70.0	161.0	432.8	871.2	891.4	208.6	84.7	95.7	70.0
85°	19.4	19.8	71.6	161.4	215.4	219.6	58.6	32.9	54.8	43.4
87.5°	2.1	6.7	27.0	27.0	19.0	18.5	6.3	7.2	15.6	5.5
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°
833.7	0°	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7
837.5	2.5°	835.3	835.8	830.3	821.0	810.9	802.5	791.9	783.5	777.6	775.9
845.0	5°	841.2	838.3	822.7	794.5	760.7	731.7	699.2	673.5	656.6	649.5
853.0	7.5°	850.1	841.7	807.5	751.9	687.4	630.1	571.9	526.8	498.2	483.8
860.6	10°	857.7	840.8	782.2	690.4	591.7	504.9	426.5	372.2	341.8	327.5
869.5	12.5°	864.8	840.4	749.4	617.4	483.8	377.6	304.7	277.7	269.3	266.4
883.8	15°	878.3	841.7	708.1	534.0	376.4	285.3	258.8	258.4	260.0	259.2
905.7	17.5°	896.9	842.9	661.3	445.5	290.4	251.6	250.4	254.1	256.7	255.4
933.1	20°	920.9	848.0	611.5	357.8	249.5	243.2	246.1	249.5	251.6	249.5
969.8	22.5°	954.6	856.8	557.2	287.4	236.4	238.1	240.7	244.4	246.6	243.6
1016.6	25°	995.9	870.7	503.7	249.9	230.1	232.2	236.0	240.2	242.8	239.8
1075.6	27.5°	1049.4	893.1	454.3	241.5	223.8	225.1	230.5	236.9	240.2	236.4
1159.5	30°	1127.0	929.8	411.8	245.3	220.0	217.1	224.6	233.5	237.3	233.9
1273.7	32.5°	1229.8	981.6	385.6	251.2	218.3	207.8	214.9	226.3	232.6	230.5
1422.9	35°	1364.7	1060.4	375.5	257.9	217.1	198.1	203.1	215.4	226.3	228.4
1610.8	37.5°	1528.2	1170.0	378.5	260.9	213.3	190.1	192.6	203.1	217.5	224.2
1822.4	40°	1714.1	1297.7	395.3	257.9	209.0	183.3	183.8	191.8	204.4	214.5
2050.0	42.5°	1905.9	1446.9	426.5	247.0	205.3	177.4	176.2	181.7	190.1	197.2
2277.2	45°	2088.4	1600.3	457.3	231.8	200.6	171.5	168.6	170.7	172.4	175.3
2498.4	47.5°	2247.7	1708.2	448.4	217.9	194.3	164.8	159.7	158.9	153.8	153.4
2696.1	50°	2357.7	1731.8	398.3	204.0	185.0	157.2	149.2	144.1	135.3	131.1
2844.0	52.5°	2392.7	1638.7	325.4	190.1	169.9	147.1	135.7	127.7	116.7	113.0
2929.2	55°	2346.3	1456.2	260.0	173.2	148.8	133.6	121.0	110.4	101.6	96.9
2938.5	57.5°	2232.9	1223.9	205.7	153.4	126.4	118.4	105.8	95.3	87.7	83.0
2835.6	60°	2044.9	971.9	162.7	129.8	107.9	102.0	88.9	82.2	75.4	70.0
2570.1	62.5°	1759.6	693.7	127.7	102.8	90.2	83.5	75.9	70.8	62.8	55.2
2092.6	65°	1373.1	424.4	98.6	75.4	72.5	69.1	64.5	59.8	50.2	42.6
1365.1	67.5°	866.1	201.0	70.4	56.9	57.3	55.6	53.5	49.7	42.6	35.8
611.5	70°	381.4	97.4	46.4	43.4	42.6	42.6	44.3	43.0	36.2	29.9
212.4	72.5°	129.8	52.3	34.6	32.9	30.8	30.3	37.1	35.8	29.1	23.2
105.8	75°	67.9	35.0	25.3	23.6	18.5	22.3	29.5	27.8	20.7	15.2
70.0	77.5°	44.3	24.9	17.3	15.2	10.5	14.8	21.9	19.4	12.2	7.6
45.9	80°	27.8	16.4	10.1	7.2	5.1	8.0	11.8	8.4	4.6	1.7
27.0	82.5°	14.8	8.4	3.8	2.5	2.1	2.5	3.0	2.1	0.8	0.0
13.9	85°	5.9	3.0	1.3	0.8	0.4	0.0	0.8	0.4	0.0	0.0
2.5	87.5°	2.1	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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833.7
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