

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: P846067

Luminaire Tested: **GLAN-SB1C-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846067  
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-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

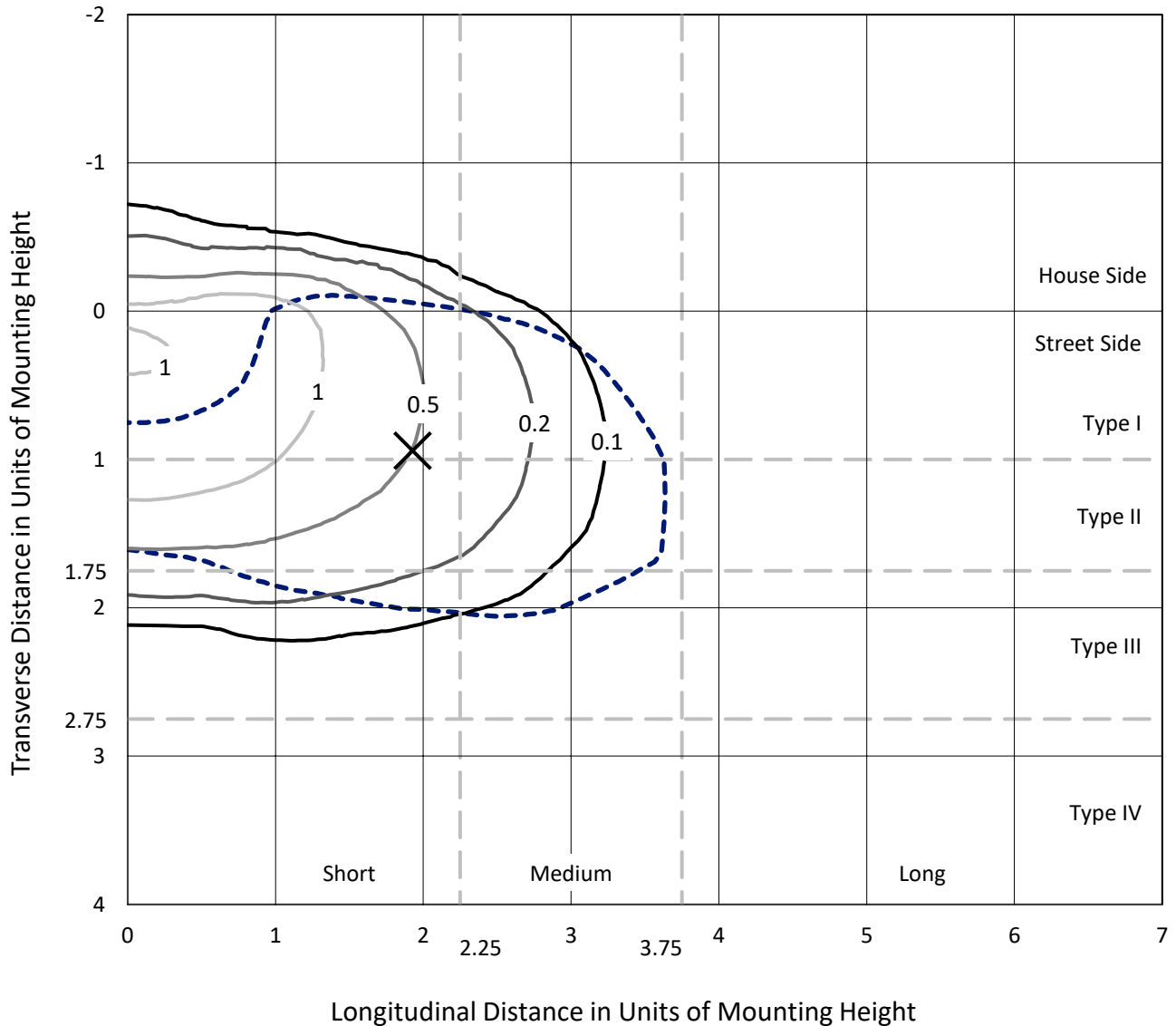
Lumens per Lamp: N/A  
Luminaire Lumens: 5766 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

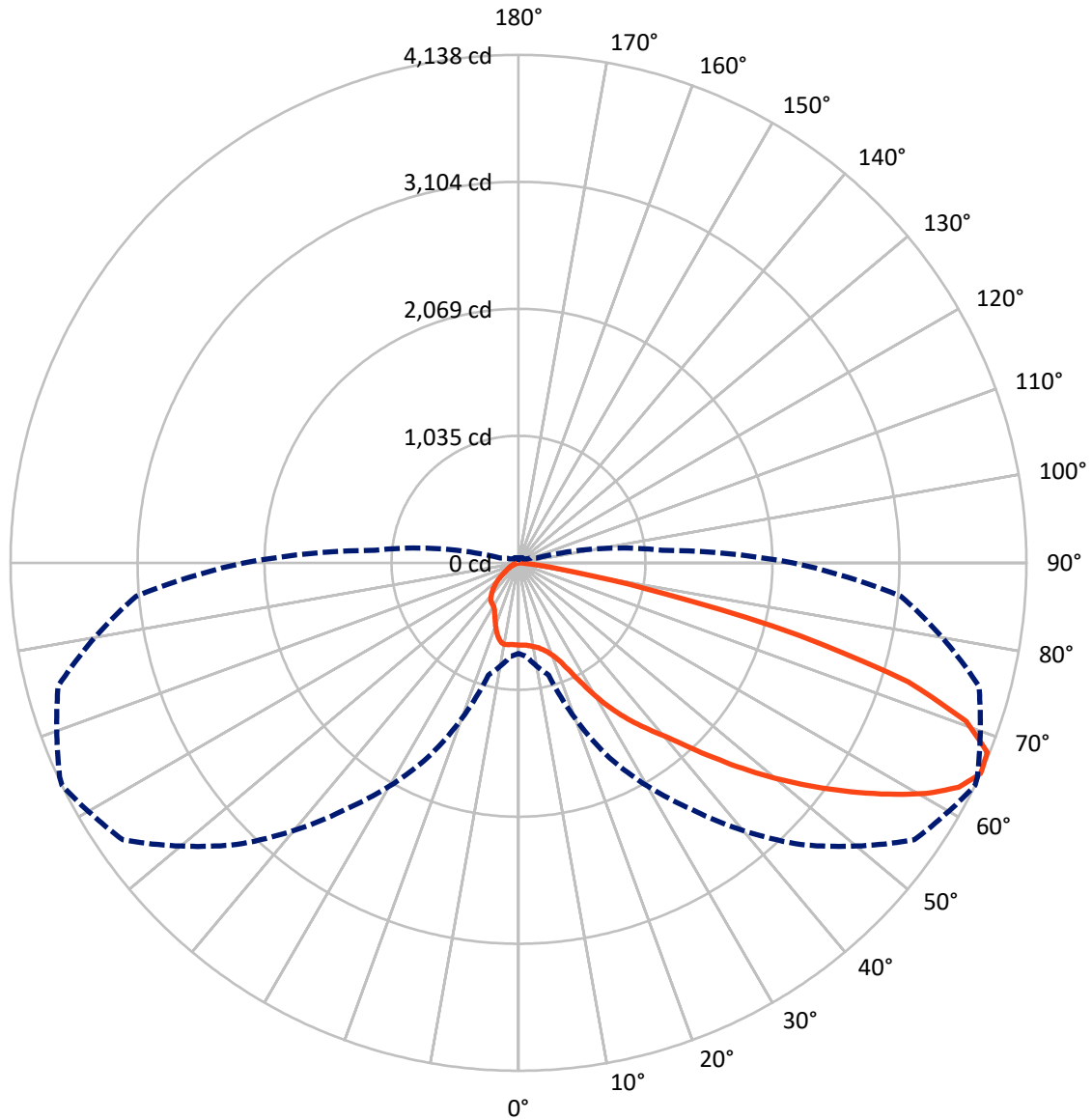
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	771.1	0.0	771.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	4994.9	0.0	4994.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	5766.0	0.0	5766.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	1.1
10°-20°	167.8	2.9
20°-30°	318.0	5.5
30°-40°	643.5	11.2
40°-50°	1096.2	19.0
50°-60°	1490.7	25.9
60°-70°	1399.9	24.3
70°-80°	560.8	9.7
80°-90°	27.2	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°	5766.0	100.0
0°-180°	5766.0	100.0

**Coefficient of Utilization**



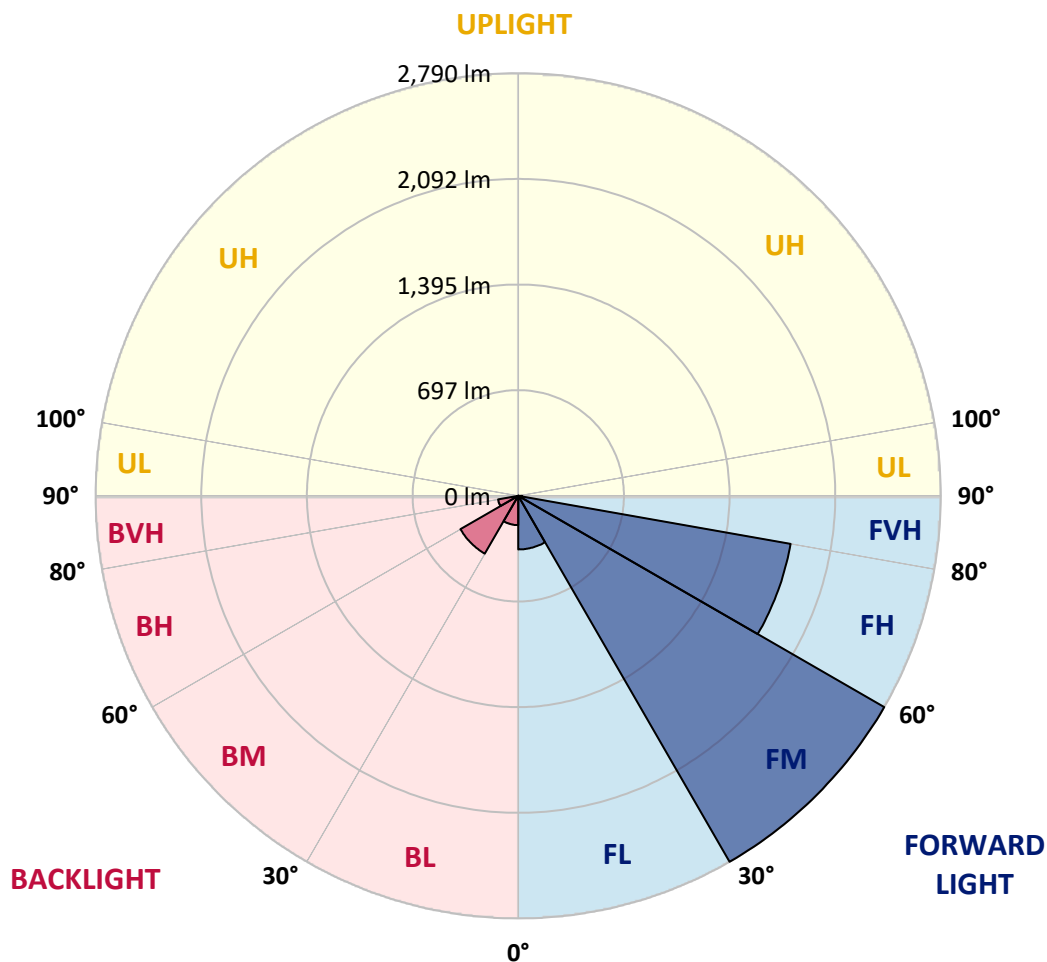
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.1	6.1			
FM (30°-60°)	2789.6	48.4			
FH (60°-80°)	1825.4	31.7			G2/5000
FVH (80°-90°)	25.8	0.4			G1/100
BL (0°-30°)	193.6	3.4	B1/500		
BM (30°-60°)	440.8	7.6	B1/1000		
BH (60°-80°)	135.3	2.3	B1/500		G1/500
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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	670.6	670.6	670.6	670.6	670.6	670.6	670.6	670.6	670.6	670.6
2.5°	668.3	673.0	671.8	670.6	670.3	671.0	671.4	671.0	671.0	671.0
5°	655.6	659.4	659.4	662.1	666.0	670.6	674.1	674.9	675.7	676.8
7.5°	631.2	634.3	636.6	645.5	655.2	667.6	678.0	683.4	684.2	688.4
10°	614.6	618.5	622.3	631.6	645.5	664.1	681.9	695.0	696.9	707.0
12.5°	613.8	617.7	622.7	632.8	649.0	668.7	690.4	709.3	712.8	727.5
15°	621.9	626.6	631.2	643.6	661.0	684.9	708.1	731.7	735.2	756.1
17.5°	638.6	644.7	648.2	660.6	679.1	705.8	736.4	763.4	766.5	790.9
20°	671.4	678.8	679.9	690.0	708.1	736.7	773.1	806.7	810.6	838.4
22.5°	739.4	749.9	740.6	745.6	761.9	790.5	829.9	872.4	877.8	909.5
25°	859.3	874.0	850.0	841.5	848.5	878.2	927.7	981.4	987.6	1013.1
27.5°	1094.7	1075.7	1039.4	1003.8	983.0	1000.0	1055.6	1122.1	1129.9	1154.6
30°	1353.3	1336.7	1287.6	1208.7	1159.2	1156.5	1207.9	1282.2	1291.0	1314.6
32.5°	1612.3	1596.4	1543.1	1446.0	1360.2	1317.7	1353.3	1435.6	1440.2	1455.3
35°	1867.0	1850.8	1797.4	1698.1	1592.5	1495.9	1488.9	1581.7	1583.3	1599.1
37.5°	2123.3	2109.7	2052.9	1955.5	1851.5	1718.2	1653.6	1720.1	1722.0	1737.5
40°	2306.1	2311.9	2272.9	2197.5	2108.2	1962.5	1838.4	1867.4	1855.8	1881.7
42.5°	2463.0	2474.6	2440.6	2402.7	2350.9	2222.6	2067.2	2062.2	2043.6	2057.5
45°	2598.7	2608.4	2577.8	2568.9	2567.8	2477.7	2317.3	2287.2	2261.3	2258.5
47.5°	2648.6	2667.1	2680.3	2710.0	2768.0	2730.1	2575.9	2529.1	2500.1	2478.9
50°	2667.5	2687.2	2732.1	2818.6	2955.9	2972.1	2833.3	2780.8	2745.2	2706.5
52.5°	2642.0	2677.2	2737.5	2883.2	3082.3	3166.1	3080.3	3034.3	2993.7	2930.7
55°	2491.6	2526.8	2650.1	2882.4	3145.3	3302.2	3313.8	3293.3	3247.7	3148.4
57.5°	2174.7	2226.9	2422.1	2784.2	3144.1	3419.3	3542.6	3557.3	3506.3	3364.1
60°	1735.6	1806.3	2044.4	2566.6	3047.1	3482.7	3743.2	3816.7	3762.6	3576.6
62.5°	1211.0	1293.0	1518.3	2225.7	2825.2	3437.1	3889.7	4025.4	3984.4	3766.8
65°	738.7	765.0	946.6	1751.4	2448.0	3246.2	3935.0	4138.3	4124.8	3883.2
67.5°	492.1	514.1	566.3	1201.0	1900.2	2864.6	3826.7	4118.6	4122.4	3864.2
70°	296.5	315.4	349.4	698.5	1231.5	2267.4	3491.6	3867.3	3889.7	3611.1
72.5°	122.1	134.9	165.8	316.6	637.8	1439.1	2780.4	3320.4	3372.6	3036.3
75°	69.2	75.8	97.4	158.9	276.8	670.6	1684.2	2357.1	2434.0	2092.7
77.5°	46.0	49.1	63.0	102.8	155.8	228.8	719.7	1228.0	1374.9	1143.0
80°	30.9	33.6	43.3	68.8	101.3	98.2	229.2	455.0	559.7	392.7
82.5°	20.9	21.3	30.9	45.2	64.2	47.5	67.6	141.5	177.8	113.6
85°	12.0	11.6	22.8	26.3	28.6	19.7	20.5	42.5	55.7	47.9
87.5°	1.5	2.3	8.9	7.0	3.9	4.3	4.3	7.3	10.8	11.6
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°
670.6	0°	670.6	670.6	670.6	670.6	670.6	670.6	670.6	670.6	670.6	670.6
671.4	2.5°	671.4	671.0	669.9	668.7	666.0	664.5	665.2	664.5	664.1	664.5
676.4	5°	676.4	675.3	672.2	668.3	662.9	656.3	652.1	645.9	640.1	636.6
690.0	7.5°	690.0	688.8	684.6	673.7	656.3	628.9	603.8	581.7	565.1	555.5
711.6	10°	711.6	709.7	703.1	679.1	633.5	573.6	523.8	482.4	455.3	442.6
737.1	12.5°	737.1	734.8	723.2	674.1	590.2	496.7	427.9	381.9	356.8	345.6
766.5	15°	767.3	764.2	741.4	650.2	527.2	411.7	348.7	314.3	298.0	288.0
804.0	17.5°	804.8	799.4	754.9	614.2	458.8	346.7	300.0	274.1	259.8	250.1
853.1	20°	853.5	844.6	765.7	571.3	395.8	305.8	267.1	245.5	234.6	226.1
922.7	22.5°	921.5	908.8	778.9	524.9	351.4	277.5	242.7	226.9	218.0	208.3
1019.7	25°	1005.8	990.7	795.1	482.0	320.8	253.2	225.0	211.8	201.4	190.2
1146.9	27.5°	1123.7	1096.6	814.4	446.8	294.5	232.3	208.7	194.0	182.1	172.8
1291.0	30°	1255.1	1210.6	831.4	425.6	270.6	213.0	187.5	172.8	161.6	155.0
1420.5	32.5°	1379.6	1319.3	842.7	416.3	248.9	191.0	164.3	148.4	139.9	138.0
1547.3	35°	1497.1	1417.4	841.5	407.4	229.6	168.9	141.5	125.2	118.7	119.8
1683.8	37.5°	1632.4	1522.2	833.4	393.5	213.8	148.8	121.8	107.5	101.7	102.0
1849.6	40°	1789.7	1643.2	828.4	367.2	196.4	130.3	105.5	93.9	89.7	88.1
2024.3	42.5°	1957.4	1760.3	829.1	337.4	174.7	113.6	94.3	84.7	80.8	79.6
2218.7	45°	2126.0	1872.0	830.3	306.5	151.9	100.9	86.2	78.1	75.8	74.2
2415.9	47.5°	2284.4	1967.1	808.6	273.3	129.5	91.2	79.6	74.2	72.3	70.4
2613.8	50°	2432.1	2030.5	756.5	234.6	111.7	83.5	74.6	70.7	68.8	66.9
2793.1	52.5°	2546.9	2040.5	670.3	194.8	99.3	77.7	71.5	68.0	65.7	63.8
2938.1	55°	2597.9	1977.5	547.7	157.7	89.7	72.7	68.4	64.9	62.2	60.3
3052.1	57.5°	2584.8	1845.0	427.1	126.8	80.4	67.6	64.6	62.2	59.1	56.0
3144.5	60°	2520.2	1667.5	322.0	105.5	71.9	62.2	60.3	58.4	54.1	49.5
3180.1	62.5°	2408.5	1444.5	229.6	87.4	62.6	56.0	55.3	53.7	47.5	39.0
3127.5	65°	2237.7	1173.5	154.6	72.7	53.7	49.1	49.5	46.8	38.7	29.0
2935.0	67.5°	1988.0	858.1	99.0	59.5	44.8	41.0	41.4	39.8	32.9	24.7
2570.1	70°	1669.8	568.2	64.6	45.2	35.9	31.7	34.0	34.4	27.8	20.1
1972.5	72.5°	1224.2	335.5	45.2	33.6	26.3	22.0	27.8	28.6	22.4	15.1
1186.7	75°	697.7	159.3	34.0	24.4	16.2	15.5	21.6	21.6	15.5	10.1
513.7	77.5°	293.0	66.5	24.0	15.8	9.3	8.9	14.7	13.5	7.7	4.6
125.2	80°	84.7	29.8	12.8	7.7	3.9	3.5	5.8	4.3	1.9	0.8
47.5	82.5°	33.2	13.1	5.0	3.1	1.5	1.5	0.8	0.0	0.0	0.0
27.1	85°	19.7	5.4	2.3	1.2	0.4	0.0	0.0	0.0	0.0	0.0
5.8	87.5°	5.0	1.2	0.8	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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670.6
666.0
637.4
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249.3
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189.0
170.9
153.8
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119.8
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