

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: P847077

Luminaire Tested: **GLAN-SB3A-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847077  
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-SB3A-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10196 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

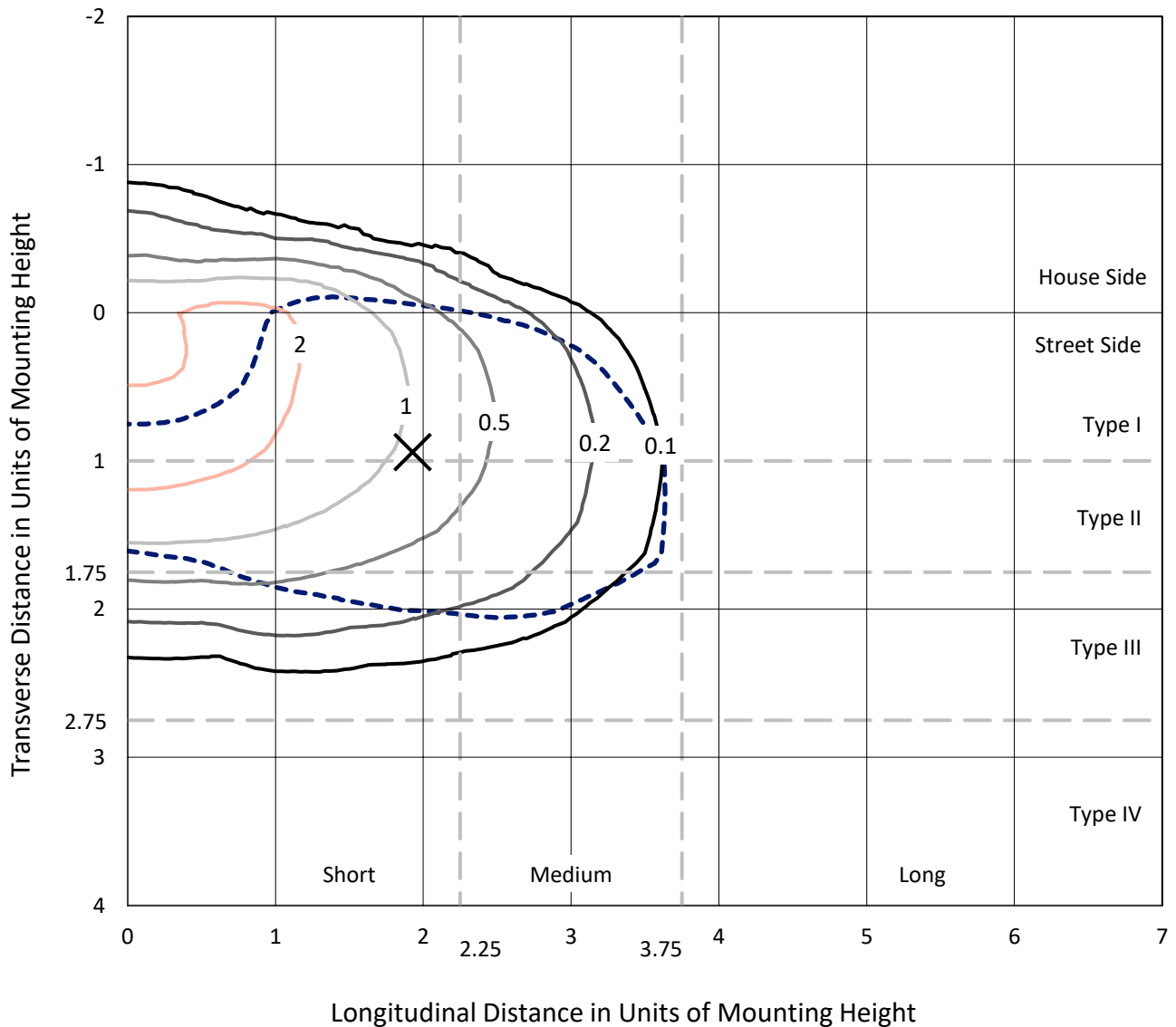
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

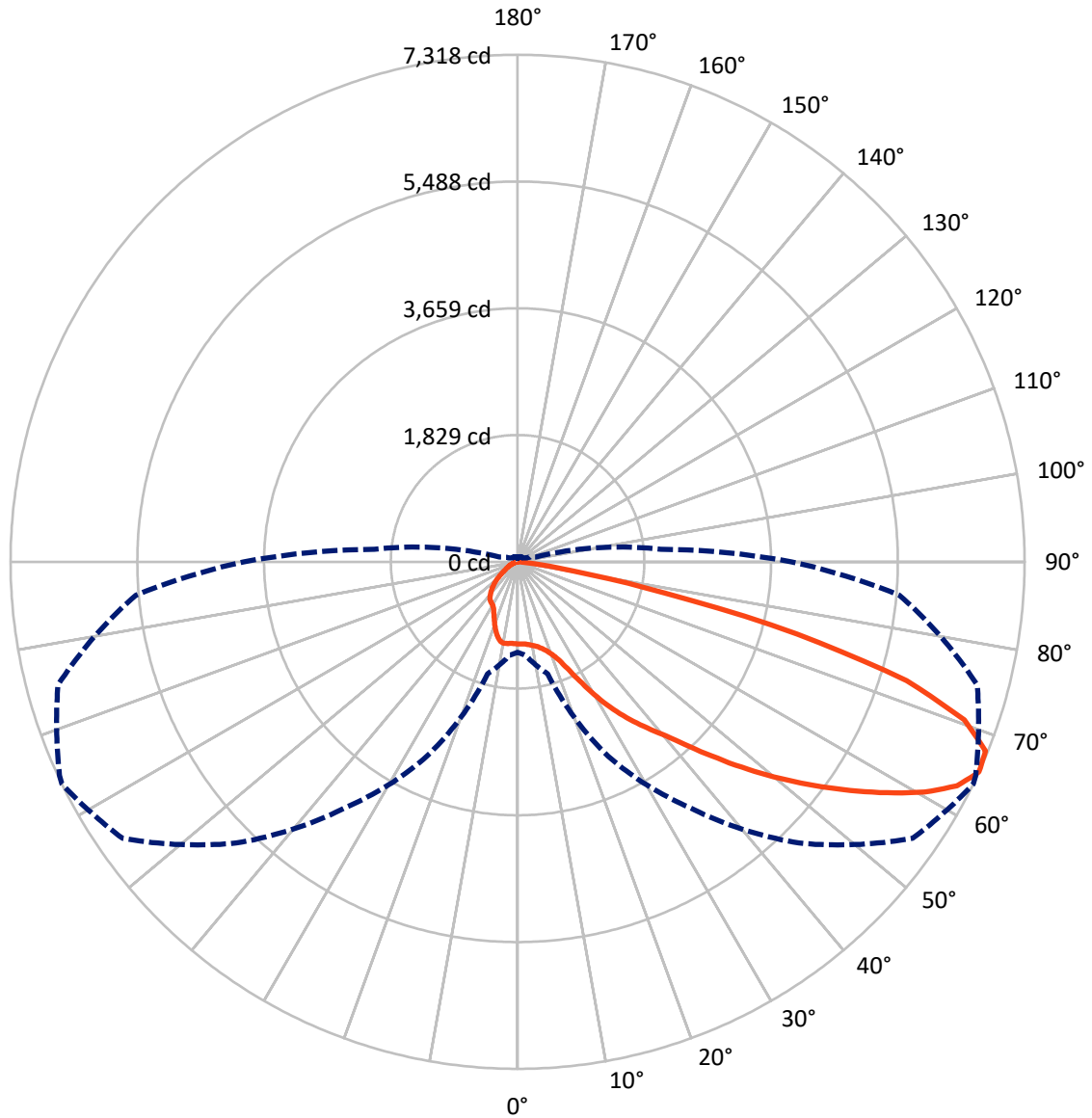
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	1363.5	0.0	1363.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	8832.5	0.0	8832.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	10196.0	0.0	10196.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	1.1
10°-20°	296.8	2.9
20°-30°	562.3	5.5
30°-40°	1137.9	11.2
40°-50°	1938.4	19.0
50°-60°	2636.1	25.9
60°-70°	2475.4	24.3
70°-80°	991.7	9.7
80°-90°	48.1	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°	10196.0	100.0
0°-180°	10196.0	100.0

**Coefficient of Utilization**

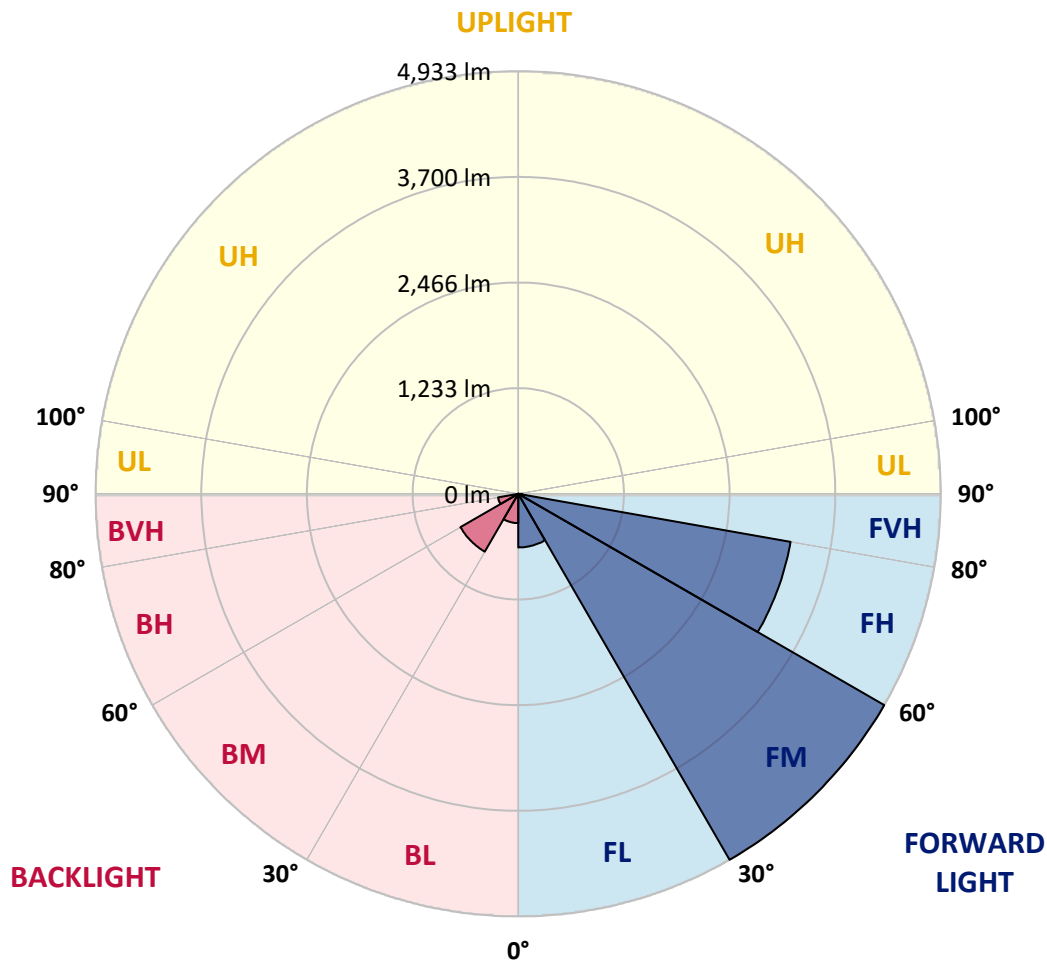


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.2	6.1			
FM (30°-60°)	4932.8	48.4			
FH (60°-80°)	3227.8	31.7			G2/5000
FVH (80°-90°)	45.7	0.4			G1/100
BL (0°-30°)	342.3	3.4	B1/500		
BM (30°-60°)	779.5	7.6	B1/1000		
BH (60°-80°)	239.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.3	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°	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9
2.5°	1181.8	1190.0	1188.0	1185.9	1185.2	1186.6	1187.3	1186.6	1186.6	1186.6
5°	1159.2	1166.1	1166.1	1170.9	1177.7	1185.9	1192.1	1193.4	1194.8	1196.8
7.5°	1116.2	1121.7	1125.8	1141.5	1158.6	1180.4	1198.9	1208.5	1209.8	1217.3
10°	1086.8	1093.6	1100.5	1116.9	1141.5	1174.3	1205.7	1229.0	1232.4	1250.2
12.5°	1085.4	1092.3	1101.1	1118.9	1147.6	1182.5	1220.8	1254.3	1260.4	1286.4
15°	1099.8	1108.0	1116.2	1138.1	1168.8	1211.2	1252.2	1293.9	1300.0	1337.0
17.5°	1129.2	1140.1	1146.3	1168.1	1200.9	1248.1	1302.1	1349.9	1355.4	1398.5
20°	1187.3	1200.3	1202.3	1220.1	1252.2	1302.8	1367.0	1426.5	1433.3	1482.5
22.5°	1307.6	1326.0	1309.6	1318.5	1347.2	1397.8	1467.5	1542.7	1552.3	1608.3
25°	1519.5	1545.4	1503.1	1488.0	1500.3	1552.9	1640.4	1735.4	1746.4	1791.5
27.5°	1935.7	1902.2	1838.0	1775.1	1738.2	1768.3	1866.7	1984.2	1997.9	2041.7
30°	2393.0	2363.6	2276.8	2137.4	2049.9	2045.1	2136.0	2267.2	2282.9	2324.6
32.5°	2850.9	2822.9	2728.6	2557.0	2405.3	2330.1	2393.0	2538.6	2546.8	2573.4
35°	3301.4	3272.7	3178.4	3002.7	2816.1	2645.2	2632.9	2796.9	2799.7	2827.7
37.5°	3754.6	3730.6	3630.2	3457.9	3274.0	3038.2	2924.1	3041.6	3045.1	3072.4
40°	4077.9	4088.1	4019.1	3885.8	3727.9	3470.2	3250.8	3302.1	3281.6	3327.4
42.5°	4355.4	4375.9	4315.7	4248.7	4157.1	3930.2	3655.4	3646.6	3613.8	3638.4
45°	4595.3	4612.4	4558.4	4542.6	4540.6	4381.3	4097.7	4044.4	3998.6	3993.8
47.5°	4683.5	4716.3	4739.5	4792.1	4894.7	4827.7	4555.0	4472.2	4421.0	4383.4
50°	4716.9	4751.8	4831.1	4984.2	5226.8	5255.6	5010.2	4917.2	4854.3	4786.0
52.5°	4671.8	4734.0	4840.7	5098.3	5450.4	5598.7	5446.9	5365.6	5293.8	5182.4
55°	4405.9	4468.1	4686.2	5097.0	5561.8	5839.3	5859.8	5823.6	5742.9	5567.2
57.5°	3845.5	3937.7	4282.9	4923.4	5559.7	6046.4	6264.4	6290.4	6200.2	5948.6
60°	3069.0	3194.1	3615.1	4538.5	5388.2	6158.5	6619.2	6749.0	6653.3	6324.6
62.5°	2141.5	2286.4	2684.9	3935.7	4995.8	6077.8	6878.2	7118.1	7045.7	6660.9
65°	1306.2	1352.7	1673.9	3097.0	4328.7	5740.2	6958.2	7317.7	7293.8	6866.6
67.5°	870.1	909.1	1001.4	2123.7	3360.2	5065.5	6766.8	7282.9	7289.7	6833.1
70°	524.3	557.7	617.9	1235.1	2177.7	4009.5	6174.2	6838.6	6878.2	6385.4
72.5°	216.0	238.5	293.2	559.8	1127.8	2544.7	4916.5	5871.4	5963.7	5369.0
75°	122.3	134.0	172.2	280.9	489.4	1185.9	2978.1	4168.1	4304.1	3700.6
77.5°	81.3	86.8	111.4	181.8	275.5	404.6	1272.7	2171.5	2431.3	2021.2
80°	54.7	59.5	76.6	121.7	179.1	173.6	405.3	804.5	989.7	694.5
82.5°	36.9	37.6	54.7	80.0	113.5	84.1	119.6	250.2	314.4	201.0
85°	21.2	20.5	40.3	46.5	50.6	34.9	36.2	75.2	98.4	84.8
87.5°	2.7	4.1	15.7	12.3	6.8	7.5	7.5	13.0	19.1	20.5
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°
1185.9	0°	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9
1187.3	2.5°	1187.3	1186.6	1184.5	1182.5	1177.7	1175.0	1176.3	1175.0	1174.3	1175.0
1196.2	5°	1196.2	1194.1	1188.6	1181.8	1172.2	1160.6	1153.1	1142.2	1131.9	1125.8
1220.1	7.5°	1220.1	1218.0	1210.5	1191.4	1160.6	1112.1	1067.7	1028.7	999.3	982.2
1258.4	10°	1258.4	1254.9	1243.3	1200.9	1120.3	1014.3	926.2	853.0	805.2	782.6
1303.5	12.5°	1303.5	1299.4	1278.9	1192.1	1043.7	878.3	756.7	675.3	630.9	611.1
1355.4	15°	1356.8	1351.3	1311.0	1149.7	932.3	727.9	616.5	555.7	527.0	509.2
1421.7	17.5°	1423.1	1413.5	1334.9	1086.1	811.3	613.1	530.4	484.6	459.3	442.2
1508.5	20°	1509.2	1493.5	1354.0	1010.2	699.9	540.7	472.3	434.0	414.9	399.9
1631.6	22.5°	1629.5	1606.9	1377.3	928.2	621.3	490.8	429.2	401.2	385.5	368.4
1803.1	25°	1778.5	1751.9	1406.0	852.3	567.3	447.7	397.8	374.6	356.1	336.3
2028.0	27.5°	1987.0	1939.1	1440.2	790.1	520.8	410.8	369.1	343.1	321.9	305.5
2282.9	30°	2219.4	2140.8	1470.2	752.6	478.5	376.6	331.5	305.5	285.7	274.1
2511.9	32.5°	2439.5	2332.8	1490.1	736.1	440.2	337.7	290.5	262.5	247.4	244.0
2736.1	35°	2647.3	2506.5	1488.0	720.4	406.0	298.7	250.2	221.5	209.8	211.9
2977.4	37.5°	2886.5	2691.7	1473.7	695.8	378.0	263.2	215.3	190.0	179.8	180.4
3270.6	40°	3164.7	2905.6	1464.8	649.3	347.2	230.3	186.6	166.1	158.6	155.8
3579.6	42.5°	3461.3	3112.7	1466.1	596.7	308.9	201.0	166.8	149.7	142.9	140.8
3923.4	45°	3759.3	3310.3	1468.2	542.0	268.6	178.4	152.4	138.1	134.0	131.2
4272.0	47.5°	4039.6	3478.4	1429.9	483.2	229.0	161.3	140.8	131.2	127.8	124.4
4621.9	50°	4300.7	3590.5	1337.6	414.9	197.5	147.6	131.9	125.1	121.7	118.2
4939.1	52.5°	4503.7	3608.3	1185.2	344.5	175.7	137.4	126.5	120.3	116.2	112.8
5195.4	55°	4593.9	3496.9	968.5	278.9	158.6	128.5	121.0	114.8	110.0	106.6
5397.0	57.5°	4570.7	3262.4	755.3	224.2	142.2	119.6	114.1	110.0	104.6	99.1
5560.4	60°	4456.5	2948.7	569.4	186.6	127.1	110.0	106.6	103.2	95.7	87.5
5623.3	62.5°	4259.0	2554.3	406.0	154.5	110.7	99.1	97.7	95.0	84.1	69.0
5530.3	65°	3956.9	2075.2	273.4	128.5	95.0	86.8	87.5	82.7	68.4	51.3
5189.9	67.5°	3515.3	1517.4	175.0	105.3	79.3	72.5	73.1	70.4	58.1	43.7
4544.7	70°	2952.8	1004.8	114.1	80.0	63.6	56.0	60.1	60.8	49.2	35.5
3488.0	72.5°	2164.7	593.3	80.0	59.5	46.5	39.0	49.2	50.6	39.6	26.7
2098.4	75°	1233.7	281.6	60.1	43.1	28.7	27.3	38.3	38.3	27.3	17.8
908.4	77.5°	518.1	117.6	42.4	28.0	16.4	15.7	26.0	23.9	13.7	8.2
221.5	80°	149.7	52.6	22.6	13.7	6.8	6.2	10.3	7.5	3.4	1.4
84.1	82.5°	58.8	23.2	8.9	5.5	2.7	2.7	1.4	0.0	0.0	0.0
47.8	85°	34.9	9.6	4.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0
10.3	87.5°	8.9	2.1	1.4	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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1185.9
1177.7
1127.1
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780.6
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509.9
440.9
397.1
365.7
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302.1
272.0
246.1
211.9
183.2
155.2
140.1
131.2
124.4
118.2
112.1
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