

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: P847297

Luminaire Tested: **GLAN-SB3B-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847297  
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-SB3B-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 450mA 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: 10565 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

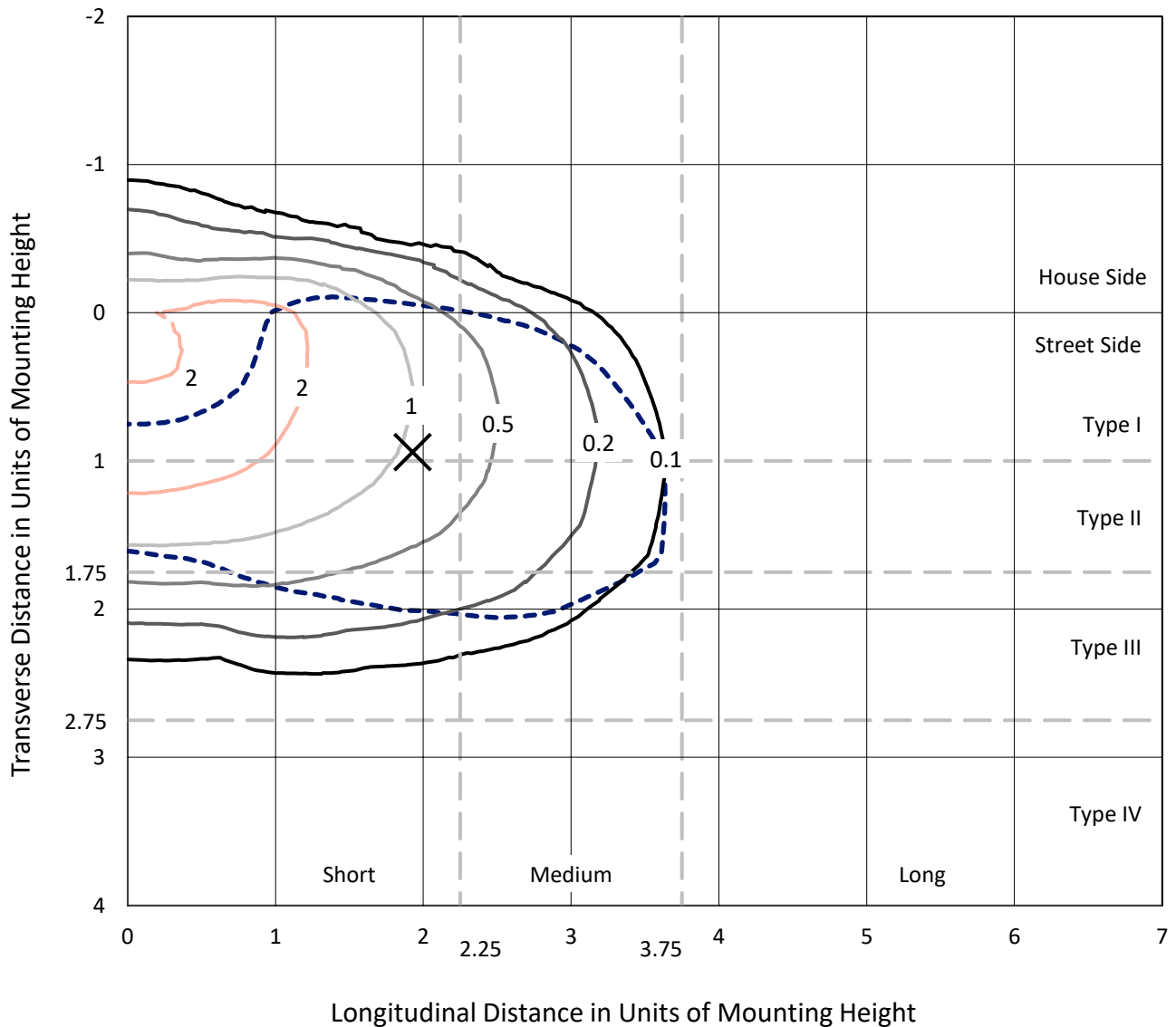
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

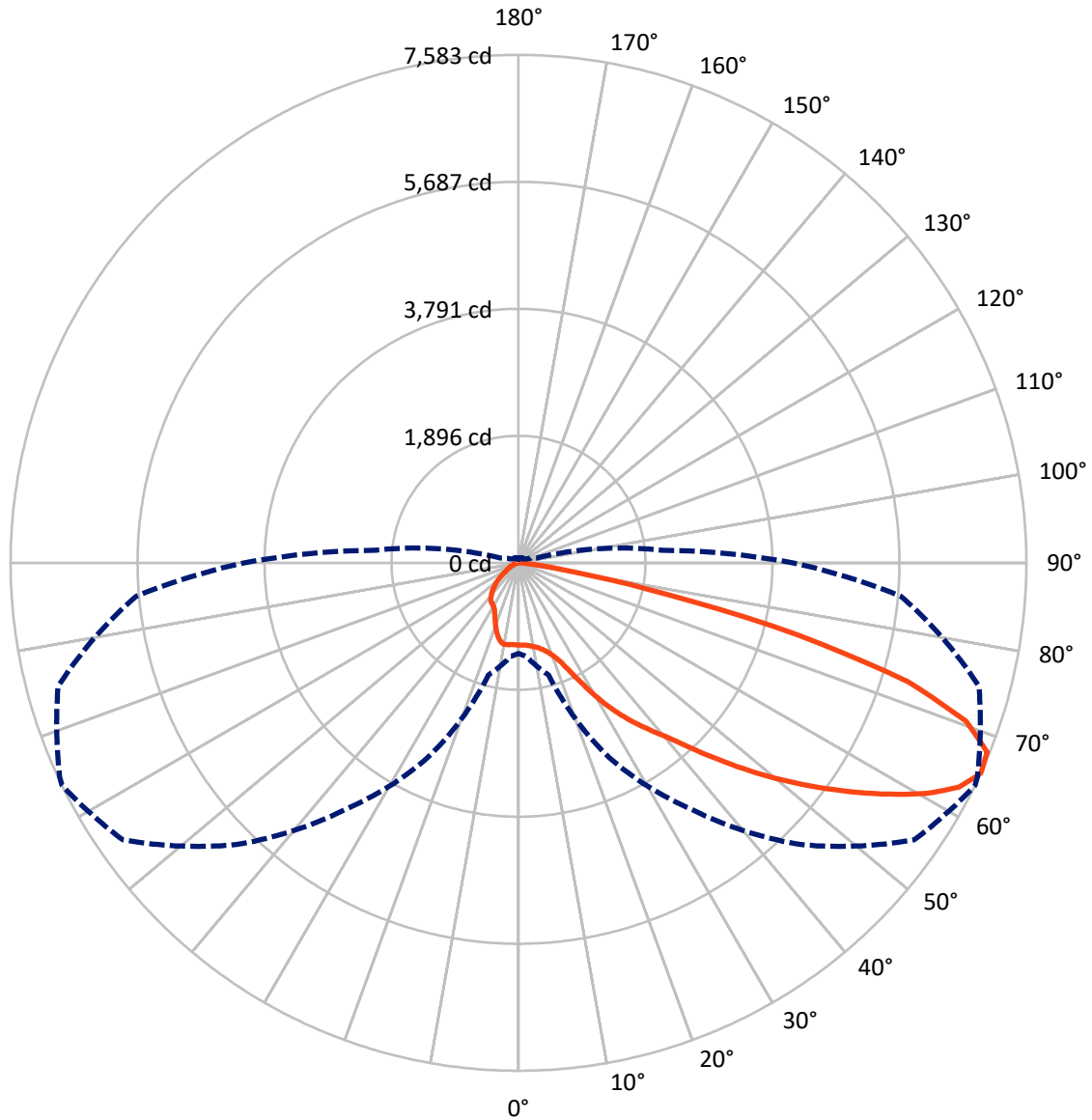
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	1412.9	0.0	1412.9
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	9152.1	0.0	9152.1
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	10565.0	0.0	10565.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.4	1.1
10°-20°	307.5	2.9
20°-30°	582.7	5.5
30°-40°	1179.1	11.2
40°-50°	2008.5	19.0
50°-60°	2731.5	25.9
60°-70°	2565.0	24.3
70°-80°	1027.6	9.7
80°-90°	49.8	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°	10565.0	100.0
0°-180°	10565.0	100.0

**Coefficient of Utilization**



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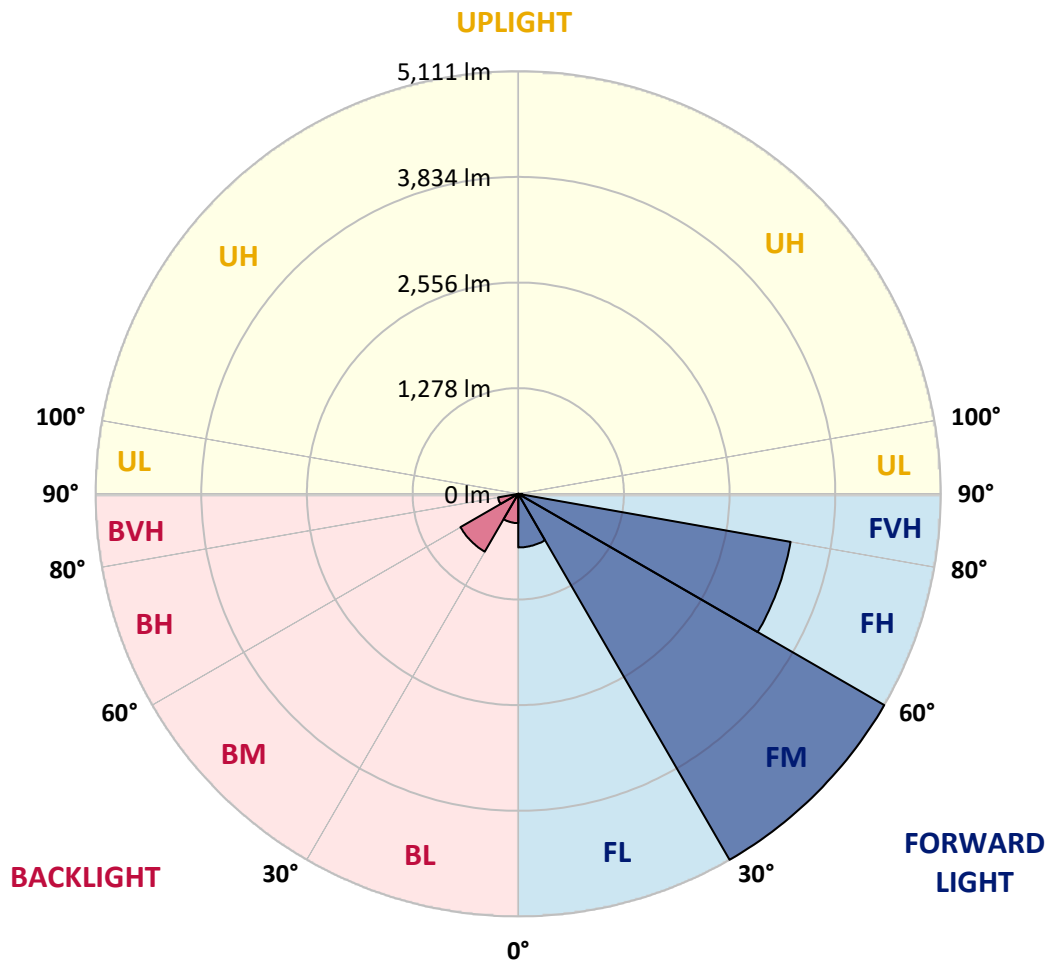
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.8	6.1			
FM (30°-60°)	5111.3	48.4			
FH (60°-80°)	3344.6	31.7			G2/5000
FVH (80°-90°)	47.4	0.4			G1/100
BL (0°-30°)	354.7	3.4	B1/500		
BM (30°-60°)	807.7	7.6	B1/1000		
BH (60°-80°)	248.0	2.3	B1/500		G1/500
BVH (80°-90°)	2.4	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°	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8
2.5°	1224.6	1233.1	1230.9	1228.8	1228.1	1229.5	1230.2	1229.5	1229.5	1229.5
5°	1201.2	1208.3	1208.3	1213.2	1220.3	1228.8	1235.2	1236.6	1238.0	1240.2
7.5°	1156.6	1162.2	1166.5	1182.8	1200.5	1223.2	1242.3	1252.2	1253.6	1261.4
10°	1126.1	1133.2	1140.3	1157.3	1182.8	1216.8	1249.4	1273.4	1277.0	1295.4
12.5°	1124.7	1131.8	1141.0	1159.4	1189.2	1225.3	1264.9	1299.6	1306.0	1332.9
15°	1139.6	1148.1	1156.6	1179.2	1211.1	1255.0	1297.5	1340.7	1347.1	1385.3
17.5°	1170.0	1181.4	1187.7	1210.4	1244.4	1293.3	1349.2	1398.8	1404.5	1449.1
20°	1230.2	1243.7	1245.8	1264.2	1297.5	1349.9	1416.5	1478.1	1485.2	1536.2
22.5°	1354.9	1374.0	1357.0	1366.2	1396.0	1448.4	1520.6	1598.5	1608.4	1666.5
25°	1574.4	1601.4	1557.4	1541.9	1554.6	1609.2	1699.8	1798.3	1809.6	1856.3
27.5°	2005.8	1971.1	1904.5	1839.3	1801.1	1832.3	1934.2	2056.1	2070.2	2115.6
30°	2479.6	2449.1	2359.2	2214.7	2124.1	2119.1	2213.3	2349.3	2365.6	2408.8
32.5°	2954.1	2925.1	2827.3	2649.6	2492.3	2414.4	2479.6	2630.5	2639.0	2666.6
35°	3420.9	3391.1	3293.4	3111.4	2918.0	2740.9	2728.2	2898.2	2901.0	2930.0
37.5°	3890.4	3865.6	3761.5	3583.1	3392.5	3148.2	3029.9	3151.7	3155.3	3183.6
40°	4225.4	4236.1	4164.5	4026.4	3862.8	3595.8	3368.5	3421.6	3400.3	3447.8
42.5°	4513.0	4534.2	4471.9	4402.5	4307.6	4072.5	3787.7	3778.5	3744.5	3770.0
45°	4761.6	4779.3	4723.3	4707.1	4704.9	4539.9	4246.0	4190.7	4143.3	4138.3
47.5°	4853.0	4886.9	4911.0	4965.6	5071.8	5002.4	4719.8	4634.1	4581.0	4542.0
50°	4887.7	4923.8	5005.9	5164.6	5416.0	5445.8	5191.5	5095.2	5030.0	4959.2
52.5°	4840.9	4905.4	5015.8	5282.9	5647.6	5801.3	5644.1	5559.8	5485.4	5370.0
55°	4565.4	4629.9	4855.8	5281.4	5763.1	6050.6	6071.9	6034.3	5950.7	5768.7
57.5°	3984.6	4080.2	4437.9	5101.5	5760.9	6265.2	6491.1	6518.1	6424.6	6163.9
60°	3180.1	3309.7	3746.0	4702.8	5583.2	6381.4	6858.7	6993.3	6894.1	6553.5
62.5°	2219.0	2369.1	2782.0	4078.1	5176.6	6297.8	7127.2	7375.7	7300.7	6901.9
65°	1353.5	1401.6	1734.5	3209.1	4485.4	5947.9	7210.0	7582.6	7557.8	7115.1
67.5°	901.6	942.0	1037.6	2200.5	3481.8	5248.9	7011.7	7546.4	7553.5	7080.4
70°	543.2	577.9	640.3	1279.8	2256.5	4154.6	6397.7	7086.1	7127.2	6616.5
72.5°	223.8	247.2	303.8	580.1	1168.6	2636.8	5094.5	6083.9	6179.5	5563.3
75°	126.8	138.8	178.5	291.1	507.1	1228.8	3085.9	4318.9	4459.9	3834.5
77.5°	84.3	89.9	115.4	188.4	285.4	419.3	1318.8	2250.1	2519.3	2094.3
80°	56.7	61.6	79.3	126.1	185.6	179.9	420.0	833.6	1025.6	719.6
82.5°	38.2	39.0	56.7	82.9	117.6	87.1	123.9	259.2	325.8	208.2
85°	22.0	21.2	41.8	48.2	52.4	36.1	37.5	77.9	102.0	87.8
87.5°	2.8	4.2	16.3	12.7	7.1	7.8	7.8	13.5	19.8	21.2
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°
1228.8	0°	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8
1230.2	2.5°	1230.2	1229.5	1227.4	1225.3	1220.3	1217.5	1218.9	1217.5	1216.8
1239.4	5°	1239.4	1237.3	1231.7	1224.6	1214.7	1202.6	1194.8	1183.5	1172.9
1264.2	7.5°	1264.2	1262.1	1254.3	1234.5	1202.6	1152.3	1106.3	1065.9	1035.5
1303.9	10°	1303.9	1300.4	1288.3	1244.4	1160.8	1051.0	959.7	883.9	834.3
1350.6	12.5°	1350.6	1346.4	1325.1	1235.2	1081.5	910.1	784.0	699.8	653.7
1404.5	15°	1405.9	1400.2	1358.4	1191.3	966.1	754.3	638.8	575.8	546.1
1473.2	17.5°	1474.6	1464.7	1383.2	1125.4	840.7	635.3	549.6	502.2	475.9
1563.1	20°	1563.8	1547.5	1403.0	1046.8	725.3	560.2	489.4	449.7	429.9
1690.6	22.5°	1688.5	1665.1	1427.1	961.8	643.8	508.5	444.8	415.7	399.5
1868.4	25°	1842.9	1815.3	1456.9	883.2	587.9	463.9	412.2	388.1	369.0
2101.4	27.5°	2058.9	2009.3	1492.3	818.7	539.7	425.7	382.5	355.5	333.6
2365.6	30°	2299.7	2218.2	1523.5	779.8	495.8	390.2	343.5	316.6	296.0
2602.8	32.5°	2527.8	2417.3	1544.0	762.8	456.1	349.9	301.0	272.0	256.4
2835.1	35°	2743.1	2597.2	1541.9	746.5	420.7	309.5	259.2	229.5	217.4
3085.2	37.5°	2991.0	2789.1	1527.0	721.0	391.7	272.7	223.1	196.9	186.3
3389.0	40°	3279.2	3010.8	1517.8	672.8	359.8	238.7	193.4	172.1	164.3
3709.1	42.5°	3586.6	3225.4	1519.2	618.3	320.1	208.2	172.8	155.1	148.0
4065.4	45°	3895.4	3430.1	1521.3	561.6	278.3	184.9	157.9	143.1	138.8
4426.6	47.5°	4185.8	3604.3	1481.7	500.7	237.3	167.1	145.9	136.0	132.4
4789.2	50°	4456.3	3720.5	1386.1	429.9	204.7	153.0	136.7	129.6	126.1
5117.8	52.5°	4666.7	3738.9	1228.1	357.0	182.0	142.4	131.0	124.7	120.4
5383.4	55°	4760.2	3623.4	1003.6	289.0	164.3	133.2	125.4	119.0	114.0
5592.4	57.5°	4736.1	3380.5	782.6	232.3	147.3	123.9	118.3	114.0	108.4
5761.6	60°	4617.8	3055.4	590.0	193.4	131.7	114.0	110.5	106.9	99.2
5826.8	62.5°	4413.1	2646.7	420.7	160.1	114.7	102.7	101.3	98.4	87.1
5730.5	65°	4100.1	2150.3	283.3	133.2	98.4	89.9	90.7	85.7	70.8
5377.8	67.5°	3642.5	1572.3	181.3	109.1	82.2	75.1	75.8	73.0	60.2
4709.2	70°	3059.7	1041.1	118.3	82.9	65.9	58.1	62.3	63.0	51.0
3614.2	72.5°	2243.0	614.8	82.9	61.6	48.2	40.4	51.0	52.4	41.1
2174.3	75°	1278.4	291.8	62.3	44.6	29.7	28.3	39.7	39.7	28.3
941.3	77.5°	536.9	121.8	43.9	29.0	17.0	16.3	26.9	24.8	14.2
229.5	80°	155.1	54.5	23.4	14.2	7.1	6.4	10.6	7.8	3.5
87.1	82.5°	60.9	24.1	9.2	5.7	2.8	2.8	1.4	0.0	0.0
49.6	85°	36.1	9.9	4.2	2.1	0.7	0.0	0.0	0.0	0.0
10.6	87.5°	9.2	2.1	1.4	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

(END O



180°
1228.8
1220.3
1167.9
1018.5
808.8
631.1
528.4
456.8
411.5
378.9
346.3
313.0
281.9
255.0
219.6
189.8
160.8
145.2
136.0
128.9
122.5
116.2
109.8
102.0
89.2
70.1
51.7
43.2
35.4
26.2
17.0
8.5
1.4
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