

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: P847007

Luminaire Tested: **GLAN-SB2D-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847007  
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-SB2D-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 900mA 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: 10278 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

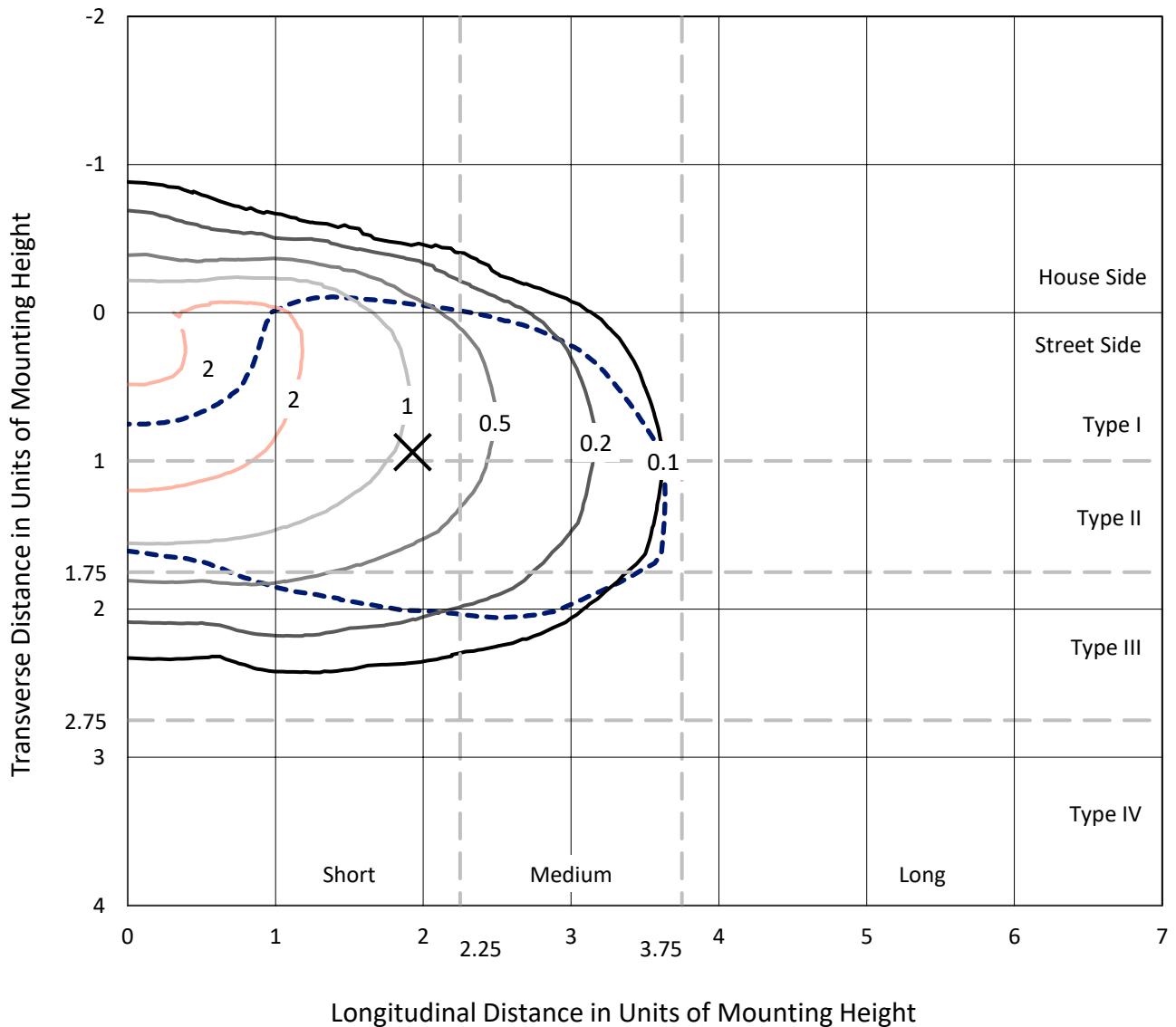
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

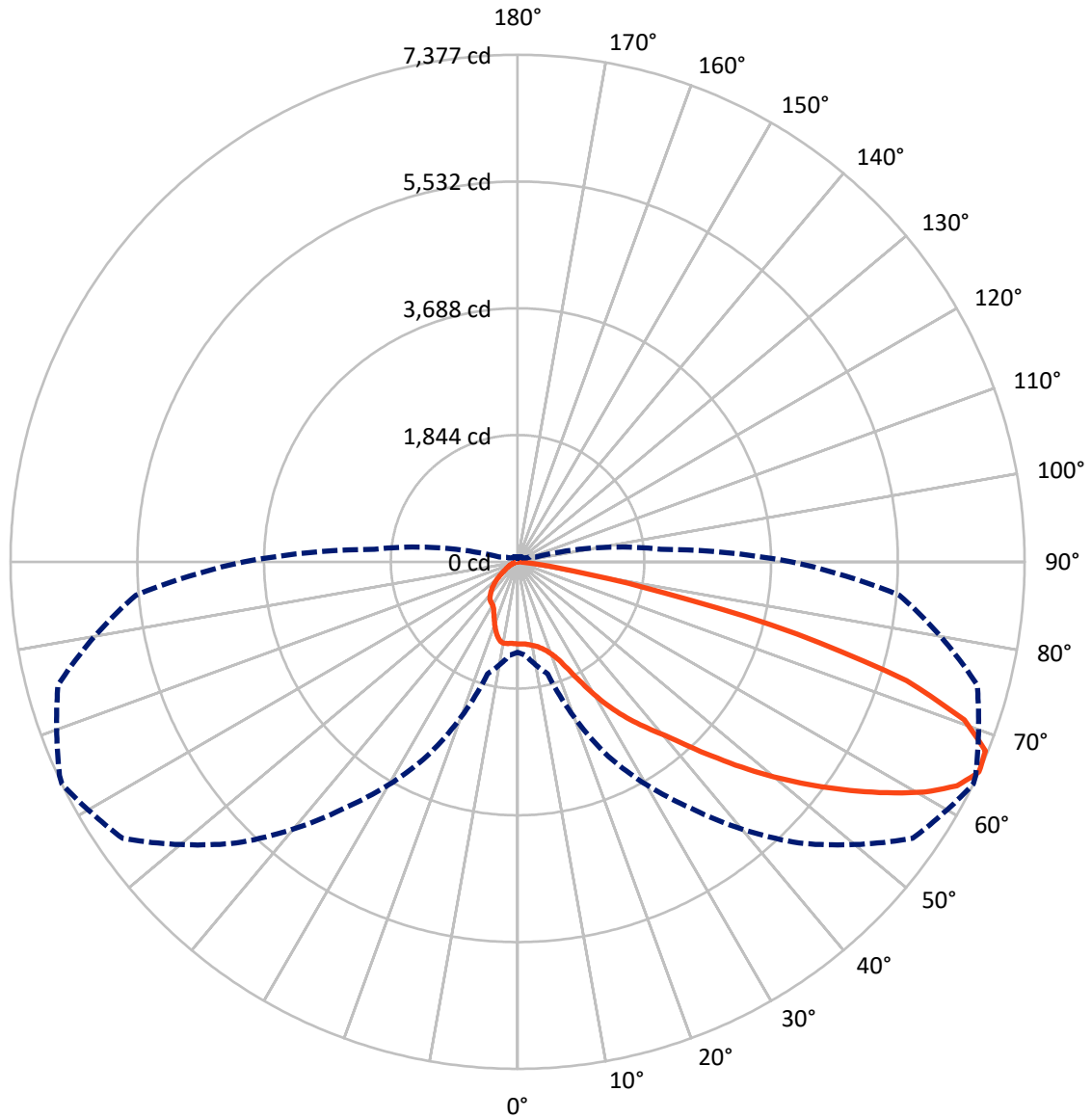
✕ Max cd  
 - - - 1/2 Max cd



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	1374.5	0.0	1374.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	8903.5	0.0	8903.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	10278.0	0.0	10278.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.3	1.1
10°-20°	299.1	2.9
20°-30°	566.8	5.5
30°-40°	1147.0	11.2
40°-50°	1954.0	19.0
50°-60°	2657.3	25.9
60°-70°	2495.3	24.3
70°-80°	999.7	9.7
80°-90°	48.4	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°	10278.0	100.0
0°-180°	10278.0	100.0

**Coefficient of Utilization**



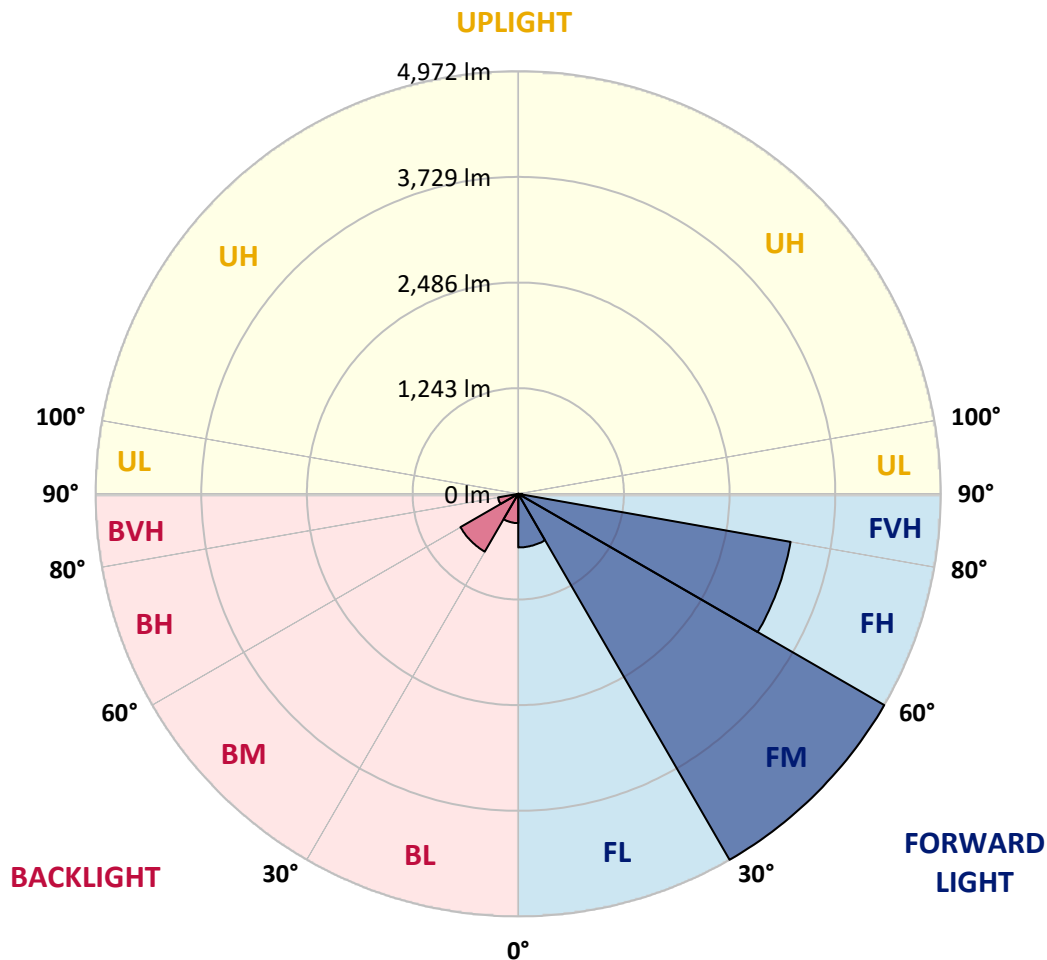
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	631.2	6.1			
FM (30°-60°)	4972.5	48.4			
FH (60°-80°)	3253.8	31.7			G2/5000
FVH (80°-90°)	46.1	0.4			G1/100
BL (0°-30°)	345.1	3.4	B1/500		
BM (30°-60°)	785.8	7.6	B1/1000		
BH (60°-80°)	241.2	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°	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4
2.5°	1191.3	1199.6	1197.5	1195.4	1194.7	1196.1	1196.8	1196.1	1196.1	1196.1
5°	1168.6	1175.5	1175.5	1180.3	1187.2	1195.4	1201.6	1203.0	1204.4	1206.5
7.5°	1125.2	1130.7	1134.8	1150.7	1167.9	1189.9	1208.5	1218.2	1219.6	1227.1
10°	1095.5	1102.4	1109.3	1125.8	1150.7	1183.7	1215.4	1238.8	1242.3	1260.2
12.5°	1094.2	1101.0	1110.0	1127.9	1156.9	1192.0	1230.6	1264.3	1270.5	1296.7
15°	1108.6	1116.9	1125.2	1147.2	1178.2	1220.9	1262.3	1304.3	1310.5	1347.7
17.5°	1138.3	1149.3	1155.5	1177.5	1210.6	1258.1	1312.6	1360.8	1366.3	1409.7
20°	1196.8	1209.9	1212.0	1229.9	1262.3	1313.3	1378.0	1438.0	1444.9	1494.5
22.5°	1318.1	1336.7	1320.1	1329.1	1358.0	1409.0	1479.3	1555.1	1564.7	1621.2
25°	1531.7	1557.9	1515.1	1500.0	1512.4	1565.4	1653.6	1749.4	1760.4	1805.9
27.5°	1951.3	1917.5	1852.8	1789.4	1752.2	1782.5	1881.7	2000.2	2014.0	2058.1
30°	2412.2	2382.6	2295.1	2154.5	2066.4	2061.5	2153.2	2285.5	2301.3	2343.3
32.5°	2873.9	2845.6	2750.5	2577.6	2424.6	2348.8	2412.2	2559.0	2567.3	2594.1
35°	3327.9	3299.0	3203.9	3026.8	2838.7	2666.5	2654.1	2819.4	2822.2	2850.4
37.5°	3784.8	3760.6	3659.3	3485.7	3300.4	3062.7	2947.6	3066.1	3069.6	3097.1
40°	4110.7	4121.0	4051.4	3917.0	3757.9	3498.1	3276.9	3328.6	3308.0	3354.1
42.5°	4390.4	4411.1	4350.4	4282.9	4190.6	3961.8	3684.8	3675.9	3642.8	3667.6
45°	4632.2	4649.5	4595.0	4579.2	4577.1	4416.6	4130.6	4076.9	4030.7	4025.9
47.5°	4721.1	4754.2	4777.6	4830.7	4934.0	4866.5	4591.6	4508.2	4456.5	4418.6
50°	4754.9	4790.0	4869.9	5024.3	5268.9	5297.8	5050.5	4956.8	4893.4	4824.5
52.5°	4709.4	4772.1	4879.6	5139.4	5494.2	5643.7	5490.7	5408.8	5336.4	5224.1
55°	4441.4	4504.1	4723.9	5138.0	5606.5	5886.2	5906.9	5870.4	5789.1	5612.0
57.5°	3876.4	3969.4	4317.4	4963.0	5604.4	6095.0	6314.8	6341.0	6250.0	5996.5
60°	3093.7	3219.8	3644.2	4575.0	5431.5	6208.0	6672.4	6803.3	6706.9	6375.4
62.5°	2158.7	2304.7	2706.4	3967.3	5036.0	6126.7	6933.5	7175.4	7102.3	6714.4
65°	1316.7	1363.6	1687.4	3121.9	4363.5	5786.3	7014.2	7376.6	7352.5	6921.8
67.5°	877.1	916.4	1009.4	2140.8	3387.2	5106.3	6821.2	7341.4	7348.3	6888.1
70°	528.5	562.2	622.9	1245.0	2195.2	4041.8	6223.9	6893.6	6933.5	6436.8
72.5°	217.7	240.5	295.6	564.3	1136.9	2565.2	4956.1	5918.6	6011.6	5412.2
75°	123.3	135.0	173.6	283.2	493.3	1195.4	3002.0	4201.6	4338.7	3730.3
77.5°	82.0	87.5	112.3	183.3	277.7	407.9	1282.9	2189.0	2450.8	2037.4
80°	55.1	59.9	77.2	122.6	180.5	175.0	408.6	811.0	997.7	700.0
82.5°	37.2	37.9	55.1	80.6	114.4	84.7	120.6	252.2	316.9	202.6
85°	21.4	20.7	40.7	46.9	51.0	35.1	36.5	75.8	99.2	85.4
87.5°	2.8	4.1	15.8	12.4	6.9	7.6	7.6	13.1	19.3	20.7
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°
1195.4	0°	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4
1196.8	2.5°	1196.8	1196.1	1194.1	1192.0	1187.2	1184.4	1185.8	1184.4	1183.7	1184.4
1205.8	5°	1205.8	1203.7	1198.2	1191.3	1181.7	1169.9	1162.4	1151.3	1141.0	1134.8
1229.9	7.5°	1229.9	1227.8	1220.2	1201.0	1169.9	1121.0	1076.2	1037.0	1007.3	990.1
1268.5	10°	1268.5	1265.0	1253.3	1210.6	1129.3	1022.5	933.6	859.9	811.7	788.9
1313.9	12.5°	1313.9	1309.8	1289.1	1201.6	1052.1	885.4	762.7	680.7	636.0	616.0
1366.3	15°	1367.7	1362.2	1321.5	1158.9	939.8	733.8	621.5	560.2	531.2	513.3
1433.1	17.5°	1434.5	1424.9	1345.6	1094.8	817.9	618.0	534.7	488.5	463.0	445.8
1520.7	20°	1521.3	1505.5	1364.9	1018.4	705.5	545.0	476.1	437.5	418.2	403.1
1644.7	22.5°	1642.6	1619.9	1388.4	935.7	626.3	494.7	432.7	404.5	388.6	371.4
1817.6	25°	1792.8	1765.9	1417.3	859.2	571.9	451.3	401.0	377.6	359.0	339.0
2044.3	27.5°	2003.0	1954.7	1451.8	796.5	525.0	414.1	372.1	345.9	324.5	308.0
2301.3	30°	2237.2	2158.0	1482.1	758.6	482.3	379.6	334.2	308.0	288.0	276.3
2532.1	32.5°	2459.1	2351.6	1502.0	742.1	443.7	340.4	292.8	264.6	249.4	246.0
2758.1	35°	2668.5	2526.6	1500.0	726.2	409.3	301.1	252.2	223.2	211.5	213.6
3001.3	37.5°	2909.7	2713.3	1485.5	701.4	381.0	265.3	217.0	191.5	181.2	181.9
3296.9	40°	3190.1	2929.0	1476.6	654.6	350.0	232.2	188.1	167.4	159.9	157.1
3608.4	42.5°	3489.2	3137.8	1477.9	601.5	311.4	202.6	168.1	150.9	144.0	141.9
3954.9	45°	3789.6	3336.9	1480.0	546.4	270.8	179.8	153.6	139.2	135.0	132.3
4306.3	47.5°	4072.1	3506.4	1441.4	487.1	230.8	162.6	141.9	132.3	128.8	125.4
4659.1	50°	4335.3	3619.4	1348.4	418.2	199.1	148.8	133.0	126.1	122.6	119.2
4978.8	52.5°	4539.9	3637.3	1194.7	347.3	177.1	138.5	127.5	121.3	117.1	113.7
5237.2	55°	4630.9	3525.0	976.3	281.1	159.9	129.5	122.0	115.8	110.9	107.5
5440.4	57.5°	4607.4	3288.7	761.4	226.0	143.3	120.6	115.1	110.9	105.4	99.9
5605.1	60°	4492.4	2972.4	573.9	188.1	128.2	110.9	107.5	104.0	96.5	88.2
5668.5	62.5°	4293.2	2574.8	409.3	155.7	111.6	99.9	98.5	95.8	84.7	69.6
5574.8	65°	3988.7	2091.8	275.6	129.5	95.8	87.5	88.2	83.4	68.9	51.7
5231.7	67.5°	3543.6	1529.6	176.4	106.1	79.9	73.0	73.7	71.0	58.6	44.1
4581.2	70°	2976.5	1012.8	115.1	80.6	64.1	56.5	60.6	61.3	49.6	35.8
3516.0	72.5°	2182.1	598.1	80.6	59.9	46.9	39.3	49.6	51.0	40.0	26.9
2115.3	75°	1243.7	283.9	60.6	43.4	28.9	27.6	38.6	38.6	27.6	17.9
915.7	77.5°	522.3	118.5	42.7	28.2	16.5	15.8	26.2	24.1	13.8	8.3
223.2	80°	150.9	53.1	22.7	13.8	6.9	6.2	10.3	7.6	3.4	1.4
84.7	82.5°	59.3	23.4	9.0	5.5	2.8	2.8	1.4	0.0	0.0	0.0
48.2	85°	35.1	9.6	4.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0
10.3	87.5°	9.0	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°
1195.4
1187.2
1136.2
990.8
786.9
613.9
514.0
444.4
400.3
368.6
336.9
304.5
274.2
248.0
213.6
184.7
156.4
141.2
132.3
125.4
119.2
113.0
106.8
99.2
86.8
68.2
50.3
42.0
34.5
25.5
16.5
8.3
1.4
0.0
0.0
0.0
0.0

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