

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: P846787

Luminaire Tested: **GLAN-SB2C-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846787  
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-SB2C-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 615mA 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: 9365 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

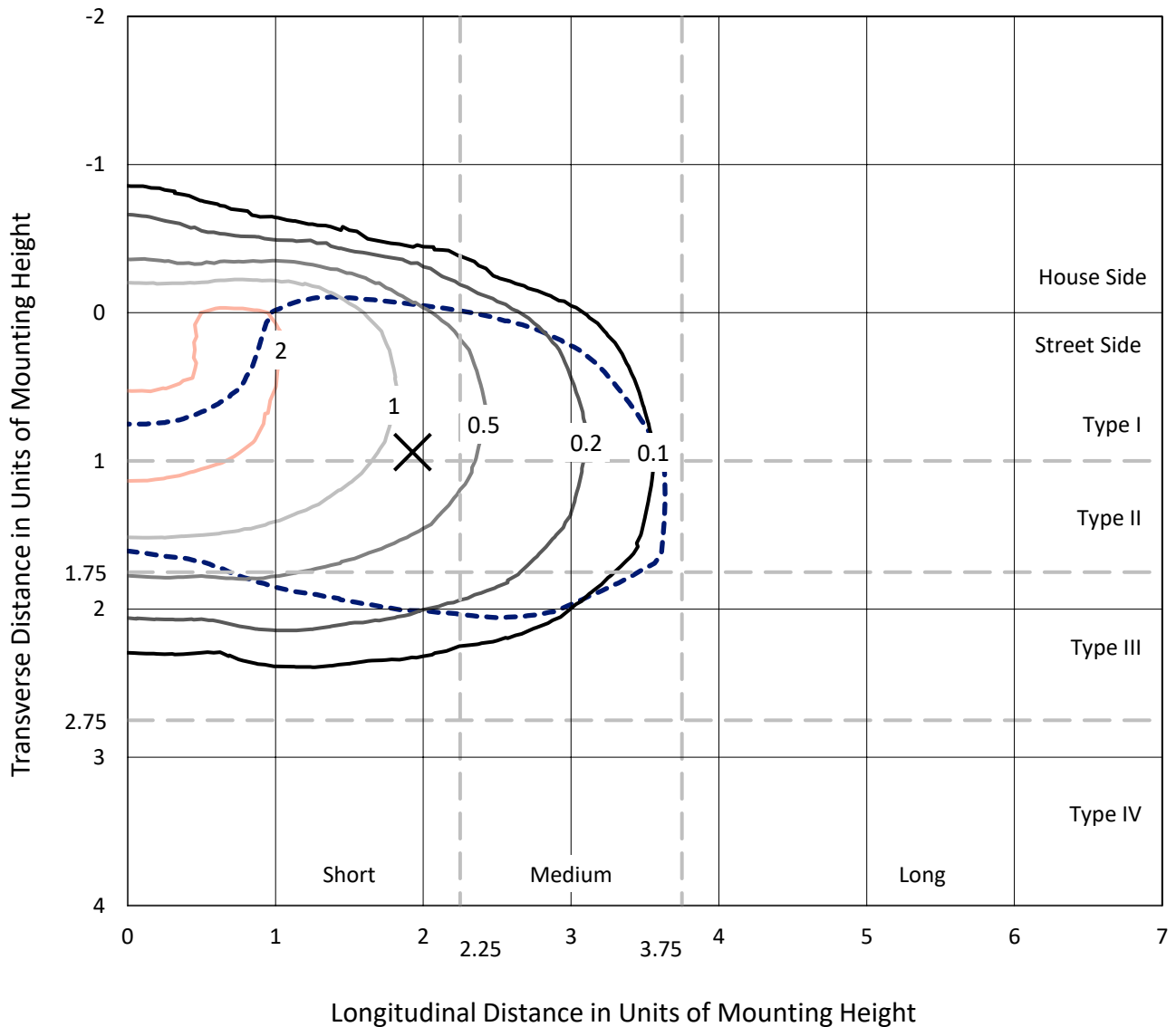
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

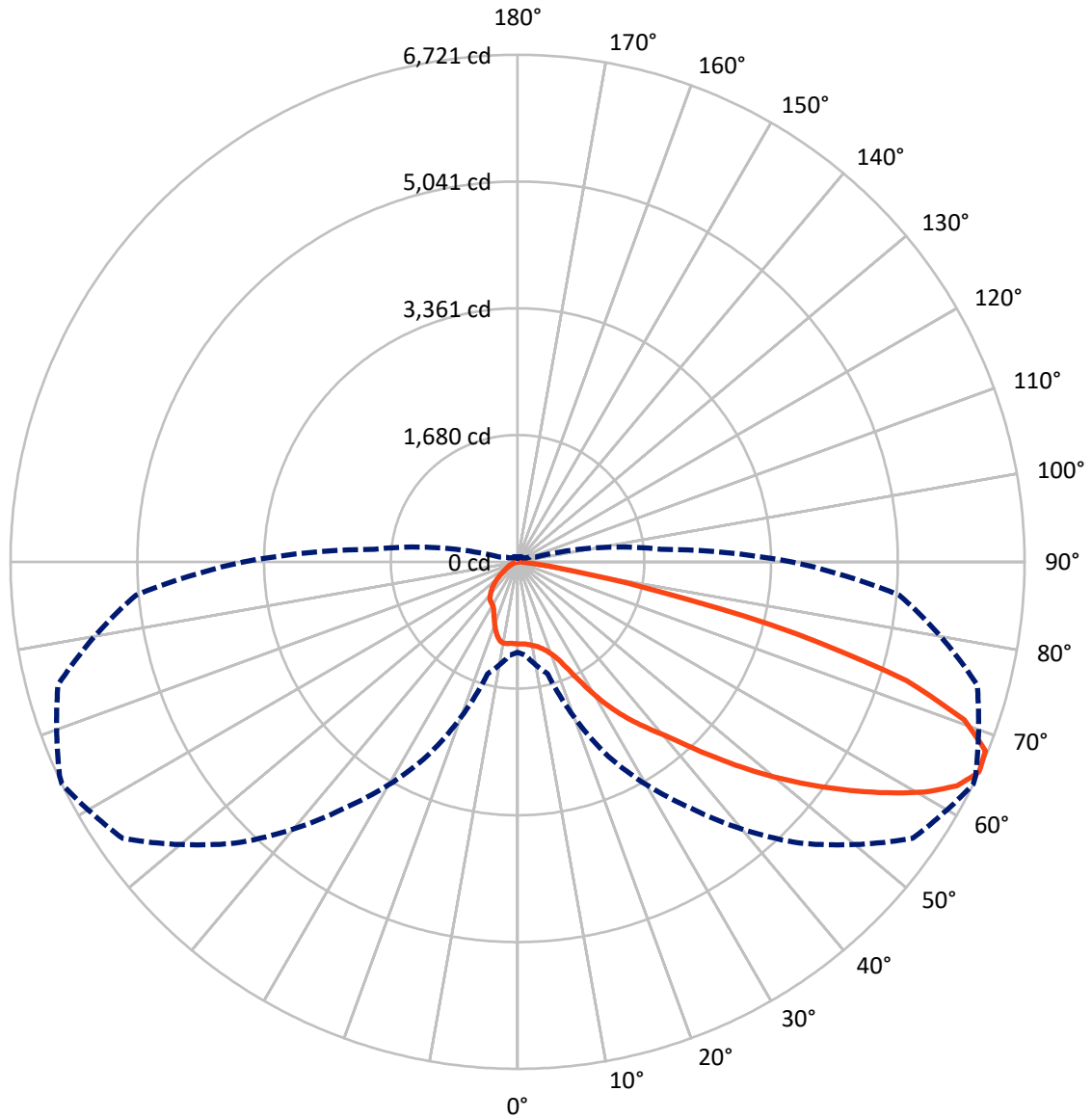
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	1252.4	0.0	1252.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	8112.6	0.0	8112.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	9365.0	0.0	9365.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.5	1.1
10°-20°	272.6	2.9
20°-30°	516.5	5.5
30°-40°	1045.1	11.2
40°-50°	1780.4	19.0
50°-60°	2421.2	25.9
60°-70°	2273.6	24.3
70°-80°	910.9	9.7
80°-90°	44.1	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°	9365.0	100.0
0°-180°	9365.0	100.0

**Coefficient of Utilization**



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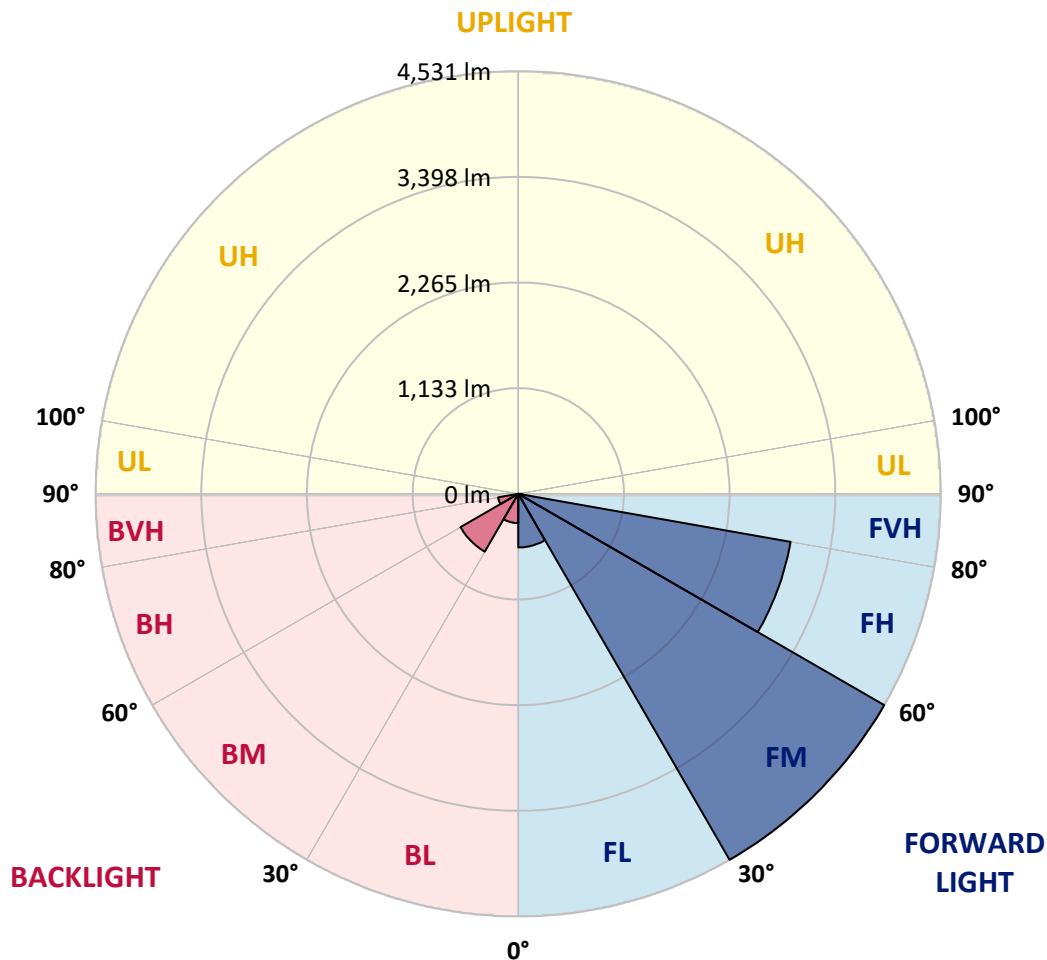
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.1	6.1			
FM (30°-60°)	4530.8	48.4			
FH (60°-80°)	2964.7	31.7			G2/5000
FVH (80°-90°)	42.0	0.4			G1/100
BL (0°-30°)	314.4	3.4	B1/500		
BM (30°-60°)	716.0	7.6	B1/1000		
BH (60°-80°)	219.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	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°	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2
2.5°	1085.5	1093.0	1091.1	1089.2	1088.6	1089.9	1090.5	1089.9	1089.9	1089.9
5°	1064.8	1071.0	1071.0	1075.4	1081.7	1089.2	1094.9	1096.2	1097.4	1099.3
7.5°	1025.2	1030.2	1034.0	1048.4	1064.1	1084.2	1101.2	1110.0	1111.2	1118.1
10°	998.2	1004.5	1010.8	1025.8	1048.4	1078.6	1107.5	1128.8	1131.9	1148.3
12.5°	997.0	1003.2	1011.4	1027.7	1054.1	1086.1	1121.3	1152.0	1157.7	1181.5
15°	1010.1	1017.7	1025.2	1045.3	1073.6	1112.5	1150.1	1188.4	1194.1	1228.0
17.5°	1037.1	1047.2	1052.8	1072.9	1103.1	1146.4	1196.0	1239.9	1244.9	1284.5
20°	1090.5	1102.4	1104.3	1120.6	1150.1	1196.6	1255.6	1310.2	1316.5	1361.7
22.5°	1201.0	1217.9	1202.9	1211.0	1237.4	1283.9	1347.9	1417.0	1425.8	1477.2
25°	1395.6	1419.5	1380.5	1366.7	1378.0	1426.4	1506.7	1594.0	1604.0	1645.5
27.5°	1778.0	1747.2	1688.2	1630.4	1596.5	1624.1	1714.5	1822.5	1835.1	1875.3
30°	2198.0	2171.0	2091.2	1963.2	1882.8	1878.4	1961.9	2082.4	2096.9	2135.2
32.5°	2618.6	2592.8	2506.2	2348.6	2209.3	2140.2	2198.0	2331.7	2339.2	2363.7
35°	3032.3	3005.9	2919.3	2758.0	2586.6	2429.6	2418.3	2569.0	2571.5	2597.2
37.5°	3448.5	3426.6	3334.3	3176.1	3007.2	2790.6	2685.8	2793.7	2796.9	2822.0
40°	3745.5	3754.9	3691.5	3569.1	3424.1	3187.4	2985.9	3032.9	3014.1	3056.2
42.5°	4000.4	4019.2	3964.0	3902.5	3818.3	3609.9	3357.5	3349.4	3319.2	3341.8
45°	4220.8	4236.4	4186.9	4172.4	4170.5	4024.2	3763.7	3714.7	3672.7	3668.3
47.5°	4301.7	4331.9	4353.2	4401.6	4495.7	4434.2	4183.7	4107.7	4060.7	4026.1
50°	4332.5	4364.5	4437.3	4578.0	4800.8	4827.2	4601.8	4516.5	4458.7	4395.9
52.5°	4291.1	4348.2	4446.1	4682.8	5006.1	5142.4	5003.0	4928.3	4862.4	4760.0
55°	4046.8	4104.0	4304.3	4681.6	5108.5	5363.4	5382.2	5348.9	5274.8	5113.5
57.5°	3532.0	3616.8	3933.8	4522.1	5106.6	5553.6	5753.9	5777.7	5694.8	5463.8
60°	2818.9	2933.7	3320.5	4168.6	4949.0	5656.5	6079.7	6199.0	6111.1	5809.1
62.5°	1966.9	2100.0	2466.0	3614.9	4588.6	5582.5	6317.6	6538.0	6471.4	6118.0
65°	1199.7	1242.4	1537.5	2844.6	3975.9	5272.3	6391.1	6721.3	6699.3	6307.0
67.5°	799.2	835.0	919.7	1950.6	3086.3	4652.7	6215.3	6689.3	6695.6	6276.2
70°	481.5	512.3	567.5	1134.4	2000.2	3682.7	5671.0	6281.2	6317.6	5865.0
72.5°	198.4	219.1	269.3	514.2	1035.9	2337.3	4515.8	5392.9	5477.6	4931.4
75°	112.4	123.1	158.2	258.0	449.5	1089.2	2735.4	3828.4	3953.3	3399.0
77.5°	74.7	79.7	102.3	167.0	253.0	371.7	1169.0	1994.5	2233.1	1856.4
80°	50.2	54.6	70.3	111.7	164.5	159.5	372.3	738.9	909.1	637.9
82.5°	33.9	34.5	50.2	73.5	104.2	77.2	109.9	229.8	288.8	184.6
85°	19.5	18.8	37.0	42.7	46.5	32.0	33.3	69.1	90.4	77.8
87.5°	2.5	3.8	14.4	11.3	6.3	6.9	6.9	11.9	17.6	18.8
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°
1089.2	0°	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2	1089.2
1090.5	2.5°	1090.5	1089.9	1088.0	1086.1	1081.7	1079.2	1080.5	1079.2	1078.6	1079.2
1098.7	5°	1098.7	1096.8	1091.8	1085.5	1076.7	1066.0	1059.1	1049.1	1039.6	1034.0
1120.6	7.5°	1120.6	1118.8	1111.8	1094.3	1066.0	1021.4	980.6	944.9	917.9	902.2
1155.8	10°	1155.8	1152.7	1142.0	1103.1	1029.0	931.7	850.7	783.5	739.6	718.8
1197.2	12.5°	1197.2	1193.5	1174.6	1094.9	958.7	806.7	695.0	620.3	579.5	561.3
1244.9	15°	1246.2	1241.2	1204.1	1056.0	856.3	668.6	566.3	510.4	484.0	467.7
1305.8	17.5°	1307.1	1298.3	1226.1	997.6	745.2	563.1	487.2	445.1	421.9	406.2
1385.6	20°	1386.2	1371.8	1243.7	927.9	642.9	496.6	433.8	398.7	381.1	367.3
1498.6	22.5°	1496.7	1476.0	1265.0	852.6	570.7	450.8	394.3	368.5	354.1	338.4
1656.2	25°	1633.6	1609.1	1291.4	782.9	521.1	411.2	365.4	344.0	327.1	308.9
1862.7	27.5°	1825.0	1781.1	1322.8	725.7	478.4	377.3	339.0	315.2	295.7	280.6
2096.9	30°	2038.5	1966.3	1350.4	691.2	439.5	345.9	304.5	280.6	262.4	251.8
2307.2	32.5°	2240.6	2142.7	1368.6	676.1	404.3	310.1	266.8	241.1	227.3	224.1
2513.1	35°	2431.5	2302.2	1366.7	661.7	372.9	274.4	229.8	203.4	192.7	194.6
2734.7	37.5°	2651.2	2472.3	1353.6	639.1	347.2	241.7	197.8	174.5	165.1	165.7
3004.1	40°	2906.8	2668.8	1345.4	596.4	318.9	211.6	171.4	152.6	145.7	143.1
3287.8	42.5°	3179.2	2859.0	1346.6	548.1	283.8	184.6	153.2	137.5	131.2	129.3
3603.6	45°	3452.9	3040.5	1348.5	497.9	246.7	163.9	140.0	126.8	123.1	120.5
3923.8	47.5°	3710.3	3194.9	1313.4	443.9	210.3	148.2	129.3	120.5	117.4	114.3
4245.2	50°	3950.2	3297.9	1228.6	381.1	181.4	135.6	121.2	114.9	111.7	108.6
4536.5	52.5°	4136.6	3314.2	1088.6	316.4	161.3	126.2	116.1	110.5	106.7	103.6
4772.0	55°	4219.5	3211.9	889.6	256.1	145.7	118.0	111.1	105.5	101.1	97.9
4957.2	57.5°	4198.2	2996.5	693.7	205.9	130.6	109.9	104.8	101.1	96.1	91.0
5107.2	60°	4093.3	2708.4	523.0	171.4	116.8	101.1	97.9	94.8	87.9	80.4
5165.0	62.5°	3911.9	2346.1	372.9	141.9	101.7	91.0	89.8	87.3	77.2	63.4
5079.6	65°	3634.4	1906.0	251.1	118.0	87.3	79.7	80.4	76.0	62.8	47.1
4766.9	67.5°	3228.8	1393.7	160.7	96.7	72.8	66.5	67.2	64.7	53.4	40.2
4174.3	70°	2712.1	922.9	104.8	73.5	58.4	51.5	55.2	55.9	45.2	32.6
3203.7	72.5°	1988.3	544.9	73.5	54.6	42.7	35.8	45.2	46.5	36.4	24.5
1927.4	75°	1133.2	258.7	55.2	39.6	26.4	25.1	35.2	35.2	25.1	16.3
834.4	77.5°	475.9	108.0	38.9	25.7	15.1	14.4	23.9	22.0	12.6	7.5
203.4	80°	137.5	48.3	20.7	12.6	6.3	5.7	9.4	6.9	3.1	1.3
77.2	82.5°	54.0	21.3	8.2	5.0	2.5	2.5	1.3	0.0	0.0	0.0
43.9	85°	32.0	8.8	3.8	1.9	0.6	0.0	0.0	0.0	0.0	0.0
9.4	87.5°	8.2	1.9	1.3	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°
1089.2
1081.7
1035.3
902.8
717.0
559.4
468.3
404.9
364.8
335.9
307.0
277.5
249.9
226.0
194.6
168.3
142.5
128.7
120.5
114.3
108.6
103.0
97.3
90.4
79.1
62.2
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