

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: P846237

Luminaire Tested: **GLAN-SB1D-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846237
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-SB1D-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7834 lumens
Efficiency: N/A
Efficacy: 98.4 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

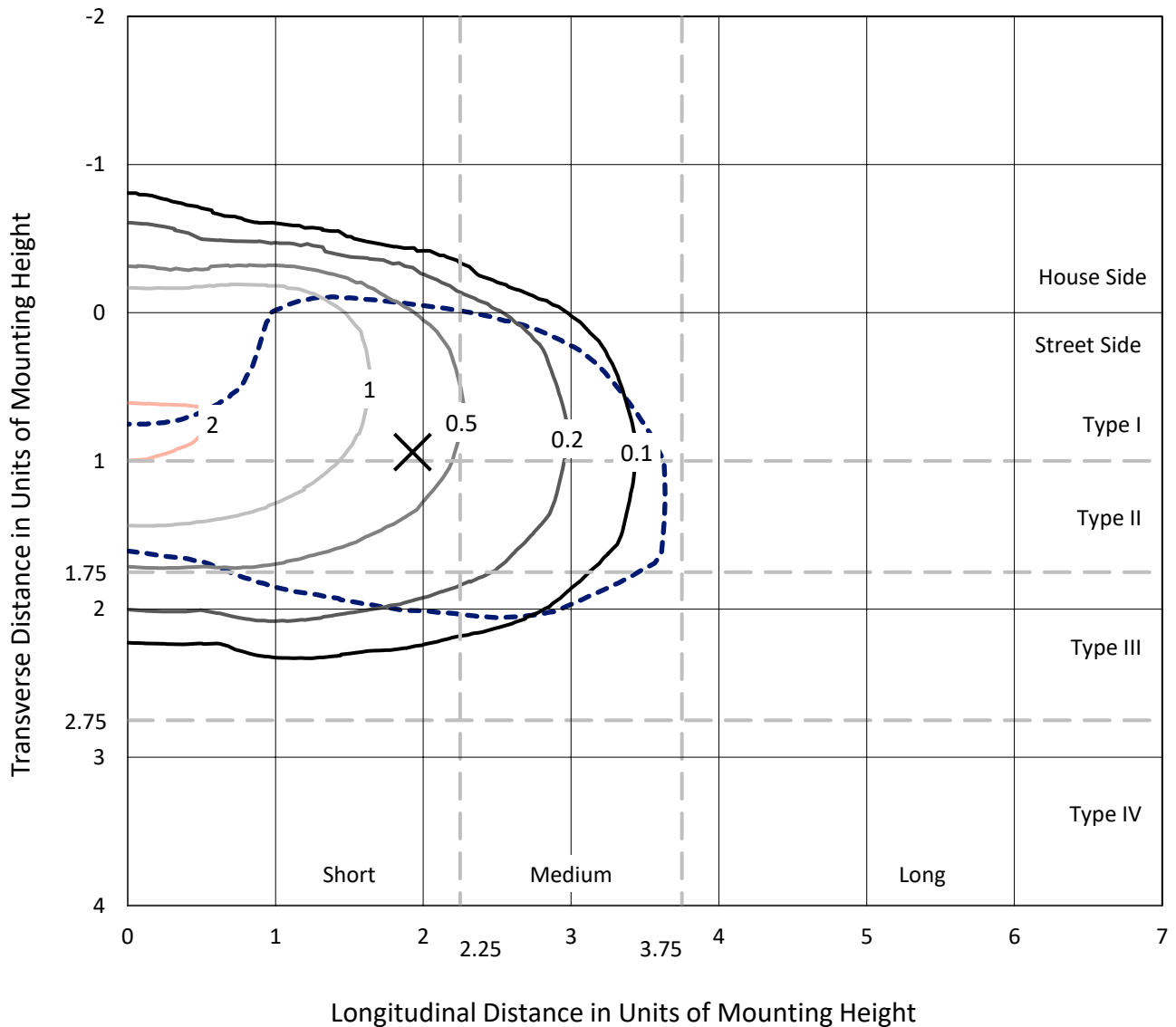
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

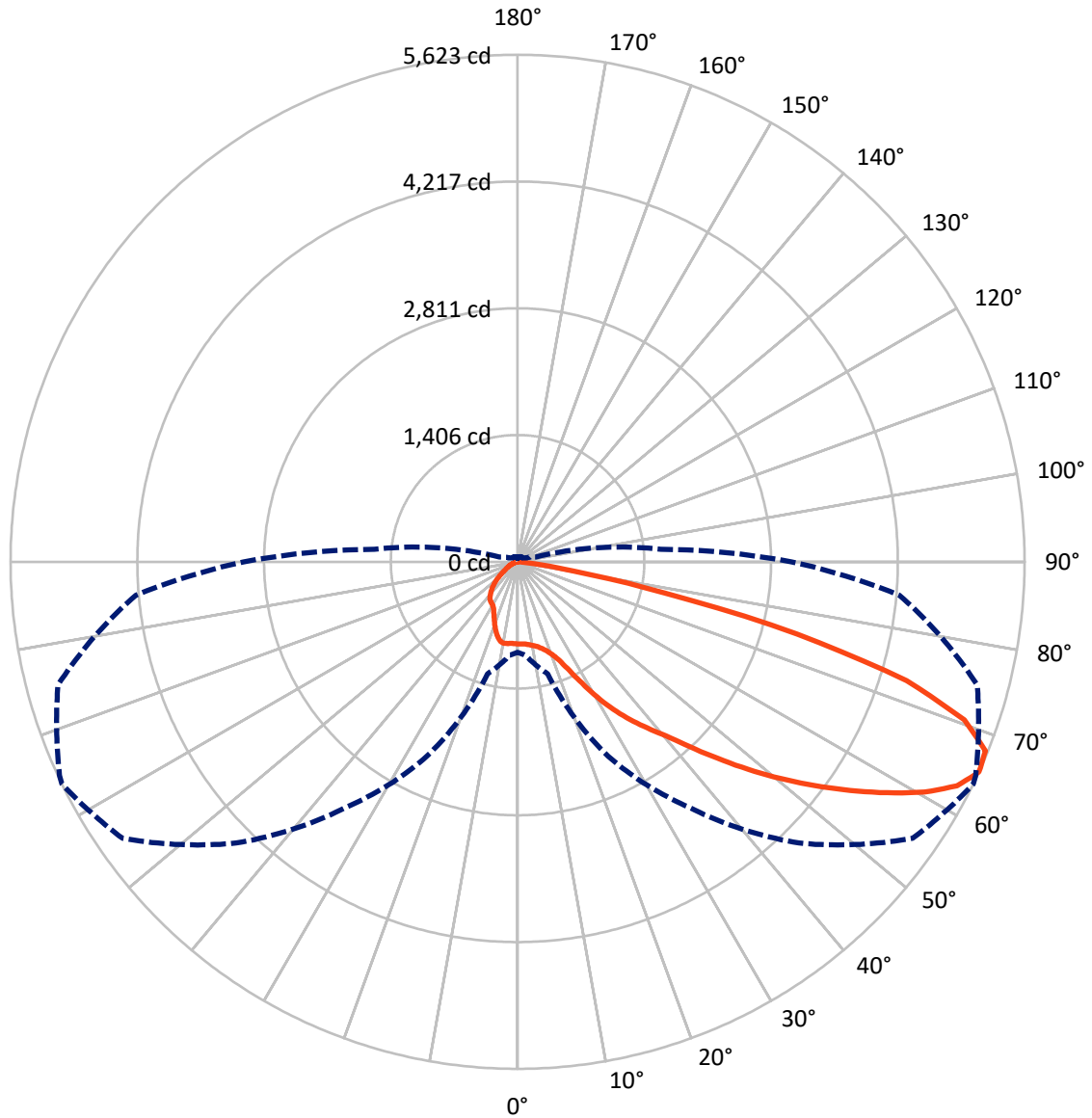
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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
House Side	Lumens	1047.7	0.0	1047.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6786.4	0.0	6786.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	7834.0	0.0	7834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.1
10°-20°	228.0	2.9
20°-30°	432.1	5.5
30°-40°	874.3	11.2
40°-50°	1489.3	19.0
50°-60°	2025.4	25.9
60°-70°	1901.9	24.3
70°-80°	762.0	9.7
80°-90°	36.9	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°	7834.0	100.0
0°-180°	7834.0	100.0

Coefficient of Utilization



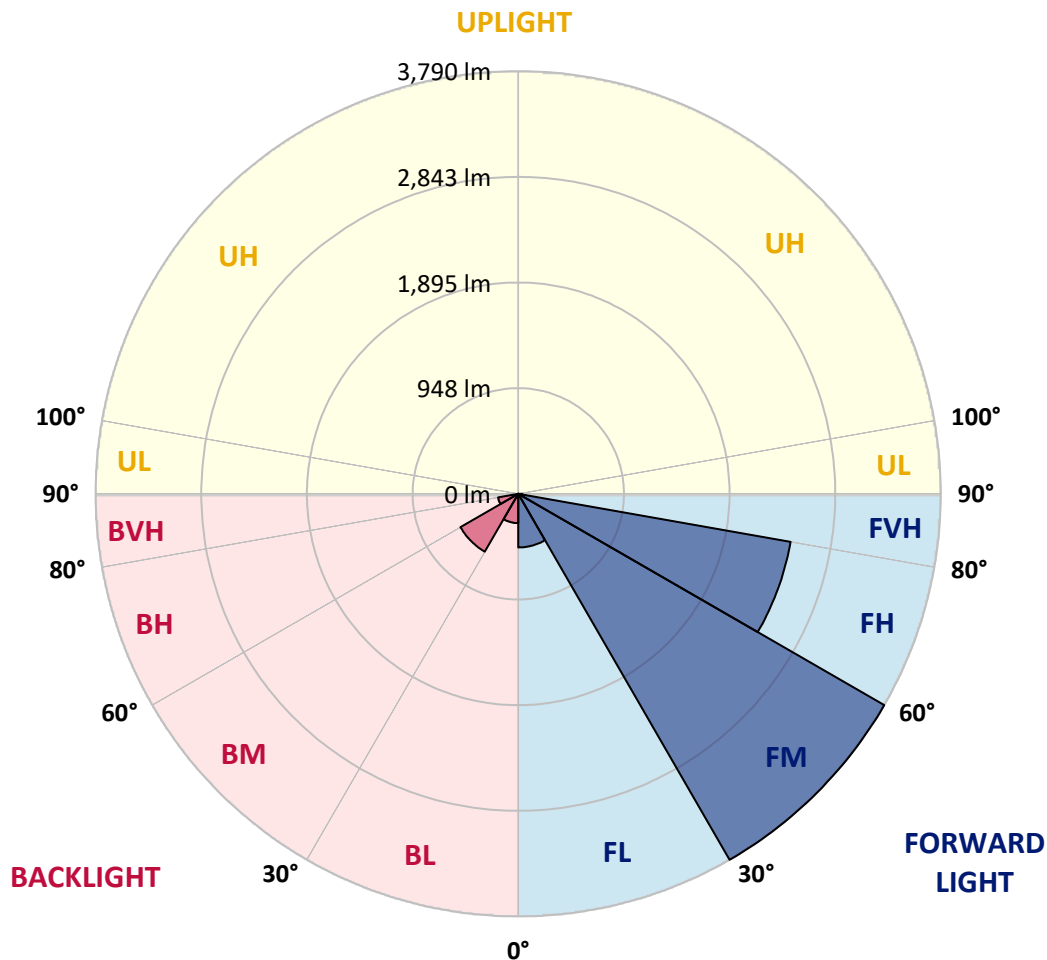
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.1	6.1			
FM (30°-60°)	3790.1	48.4			
FH (60°-80°)	2480.1	31.7			G2/5000
FVH (80°-90°)	35.1	0.4			G1/100
BL (0°-30°)	263.0	3.4	B1/500		
BM (30°-60°)	598.9	7.6	B1/1000		
BH (60°-80°)	183.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	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°	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2
2.5°	908.0	914.3	912.8	911.2	910.7	911.7	912.2	911.7	911.7	911.7
5°	890.7	895.9	895.9	899.6	904.9	911.2	915.9	917.0	918.0	919.6
7.5°	857.6	861.8	865.0	877.0	890.2	907.0	921.2	928.5	929.6	935.3
10°	835.0	840.3	845.5	858.1	877.0	902.2	926.4	944.3	946.9	960.5
12.5°	834.0	839.2	846.1	859.7	881.8	908.5	938.0	963.7	968.4	988.4
15°	845.0	851.3	857.6	874.4	898.0	930.6	962.1	994.2	998.9	1027.2
17.5°	867.6	876.0	880.7	897.5	922.7	959.0	1000.5	1037.2	1041.4	1074.5
20°	912.2	922.2	923.8	937.4	962.1	1001.0	1050.3	1096.0	1101.3	1139.1
22.5°	1004.7	1018.8	1006.2	1013.1	1035.1	1074.0	1127.5	1185.3	1192.7	1235.7
25°	1167.5	1187.4	1154.9	1143.3	1152.8	1193.2	1260.4	1333.4	1341.8	1376.5
27.5°	1487.3	1461.6	1412.2	1363.9	1335.5	1358.6	1434.2	1524.6	1535.1	1568.7
30°	1838.6	1816.0	1749.4	1642.2	1575.0	1571.3	1641.2	1742.0	1754.1	1786.1
32.5°	2190.5	2169.0	2096.5	1964.7	1848.1	1790.3	1838.6	1950.5	1956.8	1977.3
35°	2536.6	2514.5	2442.1	2307.1	2163.7	2032.4	2023.0	2149.0	2151.1	2172.6
37.5°	2884.8	2866.4	2789.2	2656.9	2515.6	2334.4	2246.7	2337.0	2339.6	2360.7
40°	3133.2	3141.1	3088.0	2985.6	2864.3	2666.3	2497.7	2537.1	2521.4	2556.5
42.5°	3346.4	3362.2	3315.9	3264.5	3194.1	3019.7	2808.6	2801.8	2776.6	2795.5
45°	3530.7	3543.9	3502.4	3490.3	3488.7	3366.4	3148.4	3107.4	3072.3	3068.6
47.5°	3598.5	3623.7	3641.6	3682.0	3760.8	3709.3	3499.8	3436.2	3396.8	3367.9
50°	3624.2	3651.0	3711.9	3829.6	4016.0	4038.1	3849.5	3778.1	3729.8	3677.3
52.5°	3589.6	3637.3	3719.3	3917.3	4187.7	4301.7	4185.1	4122.6	4067.5	3981.9
55°	3385.3	3433.1	3600.6	3916.2	4273.3	4486.6	4502.3	4474.5	4412.5	4277.5
57.5°	2954.6	3025.5	3290.7	3782.8	4271.8	4645.7	4813.2	4833.2	4763.8	4570.6
60°	2358.0	2454.1	2777.6	3487.2	4139.9	4731.8	5085.8	5185.6	5112.0	4859.4
62.5°	1645.4	1756.7	2062.9	3023.9	3838.5	4669.8	5284.8	5469.2	5413.5	5117.8
65°	1003.6	1039.3	1286.1	2379.6	3325.9	4410.4	5346.3	5622.5	5604.1	5275.9
67.5°	668.5	698.5	769.4	1631.7	2581.8	3892.1	5199.2	5595.7	5601.0	5250.2
70°	402.8	428.5	474.8	949.0	1673.2	3080.7	4743.9	5254.4	5284.8	4906.2
72.5°	166.0	183.3	225.3	430.1	866.5	1955.2	3777.6	4511.2	4582.1	4125.2
75°	94.0	102.9	132.3	215.8	376.0	911.2	2288.2	3202.5	3307.0	2843.3
77.5°	62.5	66.7	85.6	139.7	211.6	310.9	977.9	1668.5	1868.0	1552.9
80°	42.0	45.7	58.8	93.5	137.6	133.4	311.4	618.1	760.5	533.6
82.5°	28.4	28.9	42.0	61.4	87.2	64.6	91.9	192.2	241.6	154.4
85°	16.3	15.8	31.0	35.7	38.9	26.8	27.8	57.8	75.6	65.1
87.5°	2.1	3.2	12.1	9.5	5.3	5.8	5.8	10.0	14.7	15.8
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°
911.2	0°	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2
912.2	2.5°	912.2	911.7	910.1	908.5	904.9	902.8	903.8	902.8	902.2	902.8
919.1	5°	919.1	917.5	913.3	908.0	900.7	891.7	886.0	877.6	869.7	865.0
937.4	7.5°	937.4	935.9	930.1	915.4	891.7	854.5	820.3	790.4	767.8	754.7
966.8	10°	966.8	964.2	955.3	922.7	860.8	779.4	711.6	655.4	618.7	601.3
1001.5	12.5°	1001.5	998.4	982.6	915.9	801.9	674.8	581.4	518.9	484.7	469.5
1041.4	15°	1042.5	1038.3	1007.3	883.3	716.3	559.3	473.7	427.0	404.9	391.3
1092.4	17.5°	1093.4	1086.1	1025.7	834.5	623.4	471.1	407.5	372.3	352.9	339.8
1159.1	20°	1159.6	1147.5	1040.4	776.2	537.8	415.4	362.9	333.5	318.8	307.2
1253.6	22.5°	1252.0	1234.7	1058.2	713.2	477.4	377.1	329.8	308.3	296.2	283.1
1385.4	25°	1366.5	1346.0	1080.3	654.9	435.9	344.0	305.7	287.8	273.6	258.4
1558.2	27.5°	1526.7	1489.9	1106.5	607.1	400.2	315.6	283.6	263.6	247.4	234.8
1754.1	30°	1705.2	1644.8	1129.6	578.2	367.6	289.4	254.7	234.8	219.5	210.6
1930.0	32.5°	1874.3	1792.4	1144.9	565.6	338.2	259.4	223.2	201.7	190.1	187.5
2102.3	35°	2034.0	1925.8	1143.3	553.5	312.0	229.5	192.2	170.2	161.2	162.8
2287.7	37.5°	2217.8	2068.1	1132.3	534.6	290.4	202.2	165.4	146.0	138.1	138.6
2513.0	40°	2431.6	2232.5	1125.4	498.9	266.8	177.0	143.4	127.6	121.8	119.7
2750.3	42.5°	2659.5	2391.6	1126.5	458.5	237.4	154.4	128.1	115.0	109.8	108.2
3014.5	45°	2888.5	2543.4	1128.1	416.5	206.4	137.1	117.1	106.1	102.9	100.8
3282.3	47.5°	3103.8	2672.6	1098.7	371.3	175.9	123.9	108.2	100.8	98.2	95.6
3551.2	50°	3304.4	2758.7	1027.8	318.8	151.8	113.4	101.4	96.1	93.5	90.9
3794.9	52.5°	3460.4	2772.4	910.7	264.7	135.0	105.6	97.2	92.4	89.3	86.7
3991.8	55°	3529.7	2686.8	744.2	214.3	121.8	98.7	93.0	88.2	84.6	81.9
4146.8	57.5°	3511.8	2506.7	580.3	172.3	109.2	91.9	87.7	84.6	80.4	76.2
4272.3	60°	3424.1	2265.6	437.5	143.4	97.7	84.6	81.9	79.3	73.5	67.2
4320.6	62.5°	3272.4	1962.6	312.0	118.7	85.1	76.2	75.1	73.0	64.6	53.0
4249.2	65°	3040.2	1594.4	210.1	98.7	73.0	66.7	67.2	63.5	52.5	39.4
3987.6	67.5°	2701.0	1165.9	134.4	80.9	60.9	55.7	56.2	54.1	44.6	33.6
3491.9	70°	2268.7	772.0	87.7	61.4	48.8	43.1	46.2	46.7	37.8	27.3
2680.0	72.5°	1663.2	455.9	61.4	45.7	35.7	29.9	37.8	38.9	30.5	20.5
1612.3	75°	947.9	216.4	46.2	33.1	22.1	21.0	29.4	29.4	21.0	13.7
698.0	77.5°	398.1	90.3	32.6	21.5	12.6	12.1	20.0	18.4	10.5	6.3
170.2	80°	115.0	40.4	17.3	10.5	5.3	4.7	7.9	5.8	2.6	1.1
64.6	82.5°	45.2	17.9	6.8	4.2	2.1	2.1	1.1	0.0	0.0	0.0
36.8	85°	26.8	7.4	3.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0
7.9	87.5°	6.8	1.6	1.1	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°
911.2
904.9
866.0
755.2
599.7
467.9
391.8
338.7
305.1
281.0
256.8
232.1
209.0
189.1
162.8
140.7
119.2
107.7
100.8
95.6
90.9
86.1
81.4
75.6
66.2
52.0
38.3
32.0
26.3
19.4
12.6
6.3
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