

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: P852172

Luminaire Tested: **GLAN-SB1D-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6618 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

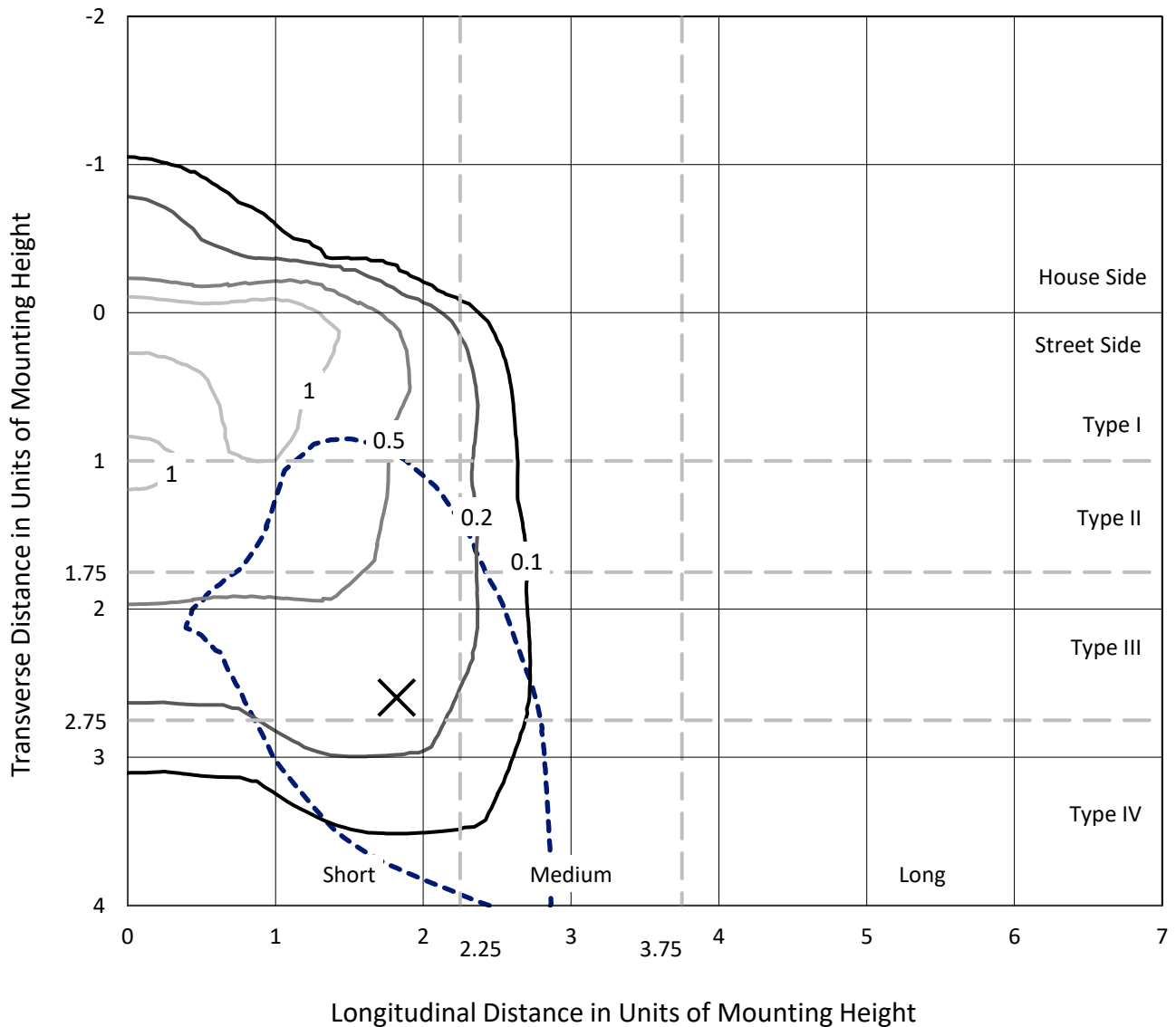
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

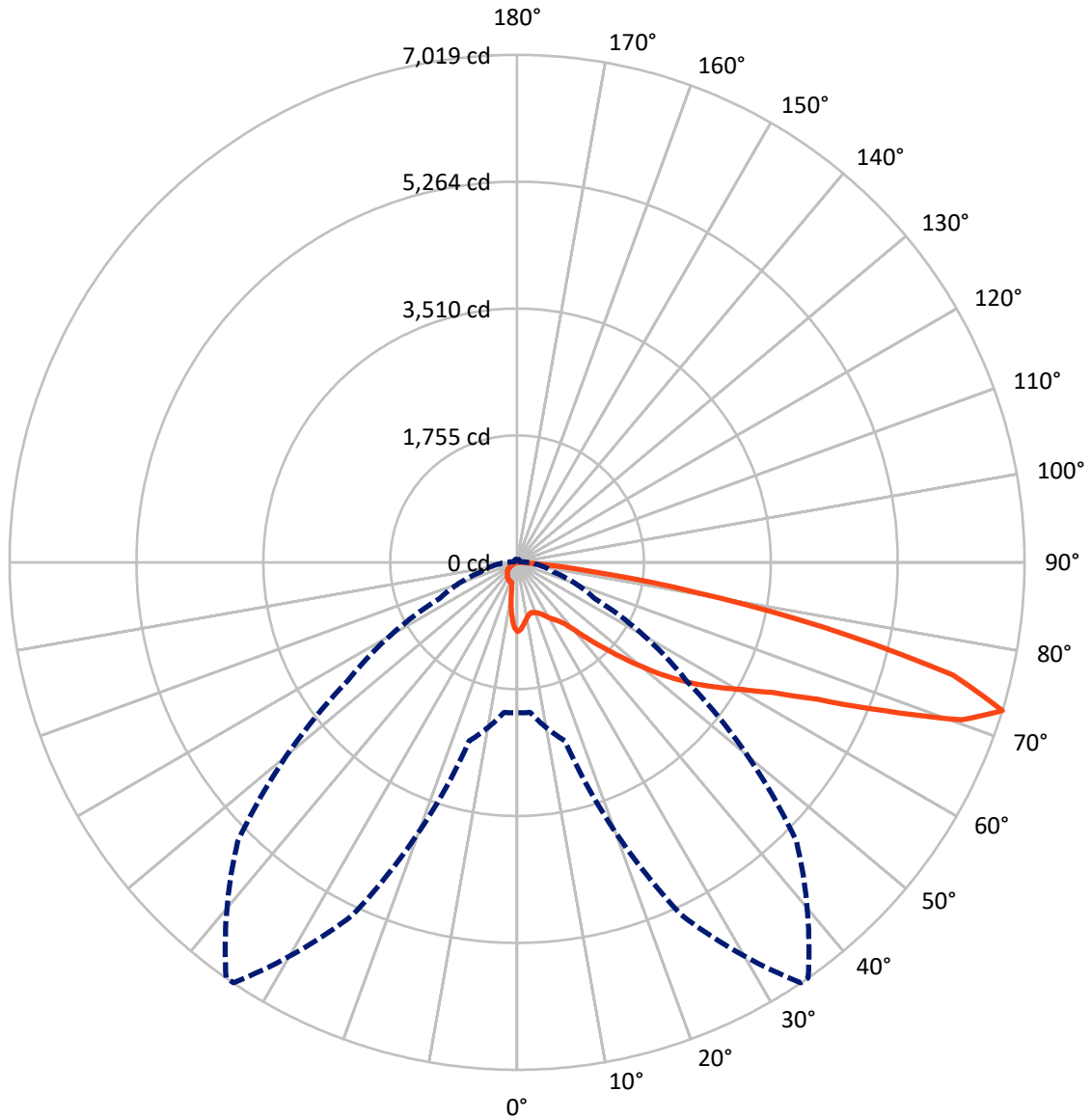
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.8	0.0	744.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5873.2	0.0	5873.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	6618.0	0.0	6618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.2
10°-20°	184.4	2.8
20°-30°	299.5	4.5
30°-40°	499.8	7.6
40°-50°	945.6	14.3
50°-60°	1502.5	22.7
60°-70°	1858.7	28.1
70°-80°	1155.4	17.5
80°-90°	93.4	1.4
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°	6618.0	100.0
0°-180°	6618.0	100.0

Coefficient of Utilization



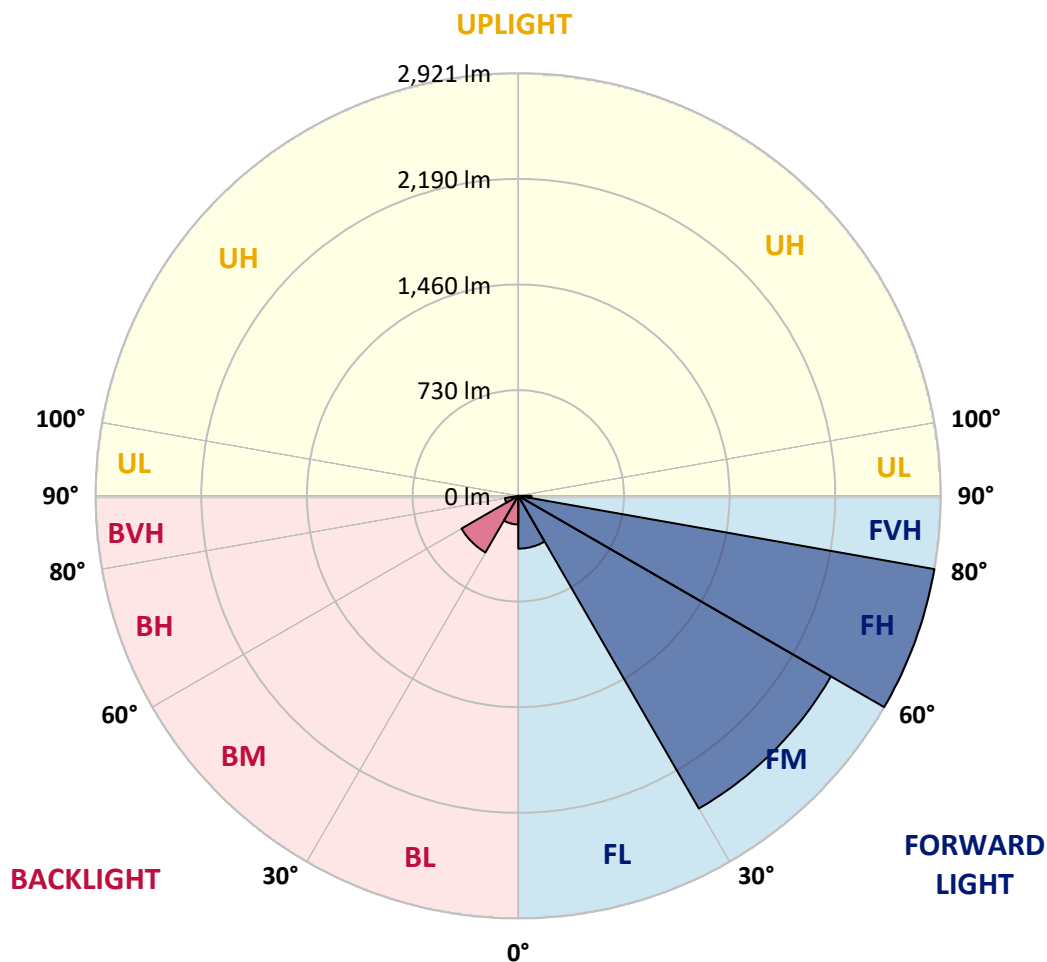
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.8	5.5			
FM	(30°-60°)	2495.6	37.7			
FH	(60°-80°)	2920.6	44.1			G2/5000
FVH	(80°-90°)	92.1	1.4			G1/100
BL	(0°-30°)	197.9	3.0	B1/500		
BM	(30°-60°)	452.2	6.8	B1/1000		
BH	(60°-80°)	93.5	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	959.2	959.2	959.2	959.2	959.2	959.2	959.2	959.2	959.2	959.2
2.5°	916.5	924.3	925.7	928.1	928.1	931.0	935.9	942.7	953.8	959.7
5°	844.7	850.5	857.8	863.6	874.8	876.2	895.2	913.6	939.3	958.7
7.5°	772.5	779.3	789.0	803.0	817.6	821.9	850.5	881.6	922.3	958.7
10°	721.6	722.0	730.8	744.8	768.1	773.4	808.4	852.5	903.4	952.9
12.5°	692.9	696.3	700.2	710.9	733.2	736.6	773.9	825.8	884.5	949.5
15°	692.9	695.4	697.8	703.1	721.1	724.0	757.0	808.8	874.8	950.9
17.5°	700.2	704.1	702.2	708.5	727.4	729.3	758.4	804.0	874.3	960.1
20°	717.7	720.6	716.7	720.6	739.5	743.4	773.4	813.2	882.6	976.1
22.5°	745.3	746.8	737.6	740.5	759.9	764.7	799.6	839.4	902.4	1001.8
25°	780.2	783.1	769.1	772.5	790.9	796.7	837.0	878.7	934.0	1037.2
27.5°	820.5	821.9	809.8	809.3	833.1	841.3	882.1	927.2	976.1	1081.9
30°	866.6	870.9	859.3	857.3	887.4	894.2	934.4	986.8	1038.2	1148.8
32.5°	902.9	906.3	899.5	904.4	934.9	940.3	998.0	1071.2	1135.7	1243.8
35°	955.3	957.2	941.7	950.4	985.4	998.9	1084.8	1189.5	1258.4	1363.1
37.5°	1144.9	1144.9	1078.9	1035.8	1069.2	1081.4	1203.6	1338.4	1409.7	1523.1
40°	1407.2	1402.9	1306.4	1218.1	1213.8	1237.5	1372.8	1526.0	1605.1	1715.2
42.5°	1687.0	1680.2	1548.8	1461.5	1447.0	1455.2	1568.2	1757.3	1837.8	1949.4
45°	1935.3	1933.4	1813.1	1695.8	1669.6	1695.8	1812.1	2027.9	2085.6	2203.0
47.5°	2143.3	2143.3	2055.6	1979.0	1965.4	1980.9	2142.4	2328.1	2322.8	2473.1
50°	2382.9	2381.0	2297.5	2264.6	2278.6	2300.5	2522.5	2644.3	2568.1	2738.3
52.5°	2550.7	2562.3	2533.7	2528.4	2600.1	2638.0	2908.5	2953.6	2787.8	2990.0
55°	2683.5	2697.1	2730.1	2767.4	2905.6	2955.1	3282.4	3247.0	2971.6	3208.2
57.5°	2871.7	2852.3	2903.2	2976.9	3200.5	3260.1	3644.7	3523.9	3119.5	3385.2
60°	3100.1	3103.0	3111.7	3204.8	3494.8	3571.4	4001.6	3785.8	3214.5	3493.8
62.5°	3374.6	3378.9	3396.9	3539.9	3890.0	3962.3	4381.7	4000.1	3258.2	3463.3
65°	3355.6	3374.1	3574.3	4063.6	4490.8	4562.1	4825.4	4150.4	3192.2	3184.0
67.5°	3056.9	3087.0	3422.1	4689.2	5396.7	5476.2	5361.8	4180.0	2907.6	2476.0
70°	2665.1	2675.8	3078.8	5251.7	6445.5	6526.0	5841.8	3854.6	2206.4	1381.0
72.5°	2081.3	2083.7	2556.5	5382.1	7014.8	7019.2	5465.0	2861.5	1186.6	530.5
75°	1486.8	1472.2	1712.2	4364.8	6171.6	6221.0	4097.1	1342.3	453.4	250.7
77.5°	797.2	813.2	968.9	2588.5	4263.4	4347.8	2235.5	387.0	230.8	170.7
80°	246.3	259.9	397.1	1185.1	2414.9	2465.8	828.7	172.1	161.0	121.7
82.5°	77.6	80.5	185.2	498.0	1002.3	1025.6	240.0	97.5	110.1	80.5
85°	22.3	22.8	82.4	185.7	247.8	252.6	67.4	37.8	63.0	49.9
87.5°	2.4	7.8	31.0	31.0	21.8	21.3	7.3	8.2	17.9	6.3
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°
959.2	0°	959.2	959.2	959.2	959.2	959.2	959.2	959.2	959.2	959.2	959.2
963.5	2.5°	961.1	961.6	955.3	944.6	933.0	923.3	911.2	901.5	894.7	892.7
972.3	5°	967.9	964.5	946.6	914.1	875.3	841.8	804.5	774.9	755.5	747.3
981.5	7.5°	978.1	968.4	929.1	865.1	790.9	725.0	658.0	606.1	573.2	556.7
990.2	10°	986.8	967.4	900.0	794.3	680.8	580.9	490.7	428.2	393.3	376.8
1000.4	12.5°	995.1	966.9	862.2	710.4	556.7	434.5	350.6	319.6	309.9	306.5
1016.9	15°	1010.6	968.4	814.7	614.4	433.0	328.3	297.7	297.3	299.2	298.2
1042.1	17.5°	1031.9	969.8	760.8	512.6	334.1	289.5	288.0	292.4	295.3	293.9
1073.6	20°	1059.5	975.7	703.6	411.7	287.1	279.8	283.2	287.1	289.5	287.1
1115.8	22.5°	1098.3	985.8	641.1	330.7	272.0	274.0	276.9	281.3	283.7	280.3
1169.6	25°	1145.9	1001.8	579.5	287.6	264.8	267.2	271.6	276.4	279.3	275.9
1237.5	27.5°	1207.4	1027.5	522.7	277.9	257.5	258.9	265.3	272.5	276.4	272.0
1334.0	30°	1296.7	1069.7	473.8	282.2	253.1	249.7	258.5	268.6	273.0	269.1
1465.4	32.5°	1415.0	1129.4	443.7	289.0	251.2	239.1	247.3	260.4	267.7	265.3
1637.1	35°	1570.2	1220.1	432.1	296.8	249.7	227.9	233.7	247.8	260.4	262.8
1853.4	37.5°	1758.3	1346.1	435.5	300.2	245.4	218.7	221.6	233.7	250.2	258.0
2096.8	40°	1972.2	1493.1	454.9	296.8	240.5	210.9	211.4	220.6	235.2	246.8
2358.6	42.5°	2192.8	1664.7	490.7	284.2	236.2	204.2	202.7	209.0	218.7	226.9
2620.0	45°	2402.8	1841.2	526.1	266.7	230.8	197.4	194.0	196.4	198.3	201.7
2874.6	47.5°	2586.1	1965.4	516.0	250.7	223.5	189.6	183.8	182.8	177.0	176.5
3102.0	50°	2712.6	1992.5	458.2	234.7	212.9	180.9	171.7	165.8	155.7	150.8
3272.2	52.5°	2752.9	1885.4	374.4	218.7	195.4	169.2	156.1	146.9	134.3	130.0
3370.2	55°	2699.5	1675.4	299.2	199.3	171.2	153.7	139.2	127.0	116.9	111.5
3380.9	57.5°	2569.1	1408.2	236.6	176.5	145.5	136.3	121.7	109.6	100.9	95.5
3262.5	60°	2352.8	1118.2	187.2	149.4	124.1	117.4	102.3	94.6	86.8	80.5
2957.0	62.5°	2024.5	798.2	146.9	118.3	103.8	96.0	87.3	81.5	72.3	63.5
2407.6	65°	1579.9	488.3	113.5	86.8	83.4	79.5	74.2	68.9	57.7	49.0
1570.7	67.5°	996.5	231.3	81.0	65.5	65.9	64.0	61.6	57.2	49.0	41.2
703.6	70°	438.9	112.0	53.3	49.9	49.0	49.0	50.9	49.5	41.7	34.4
244.4	72.5°	149.4	60.1	39.8	37.8	35.4	34.9	42.7	41.2	33.5	26.7
121.7	75°	78.1	40.2	29.1	27.2	21.3	25.7	33.9	32.0	23.8	17.5
80.5	77.5°	50.9	28.6	19.9	17.5	12.1	17.0	25.2	22.3	14.1	8.7
52.9	80°	32.0	18.9	11.6	8.2	5.8	9.2	13.6	9.7	5.3	1.9
31.0	82.5°	17.0	9.7	4.4	2.9	2.4	2.9	3.4	2.4	1.0	0.0
16.0	85°	6.8	3.4	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0
2.9	87.5°	2.4	0.5	0.0	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°
959.2
896.1
750.2
559.1
377.3
305.5
297.7
293.4
286.6
279.8
275.4
272.0
268.6
265.3
262.8
259.9
250.7
230.3
203.7
176.0
151.3
129.5
111.5
94.6
79.0
62.1
47.5
40.2
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