

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: P852134

Luminaire Tested: **GLAN-SB1C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852134
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-SB1C-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA 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: 4696 lumens
Efficiency: N/A
Efficacy: 86.3 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

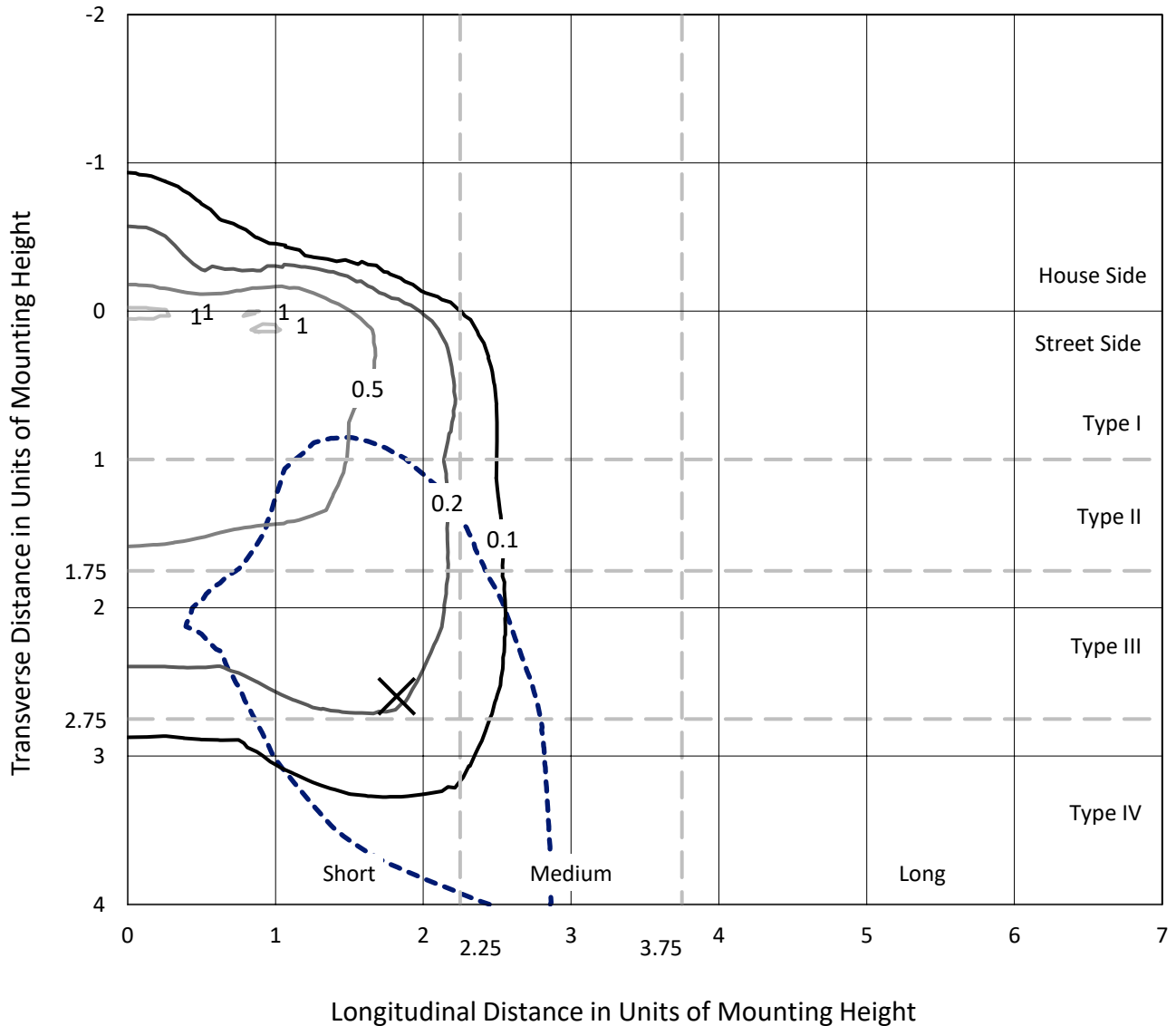
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

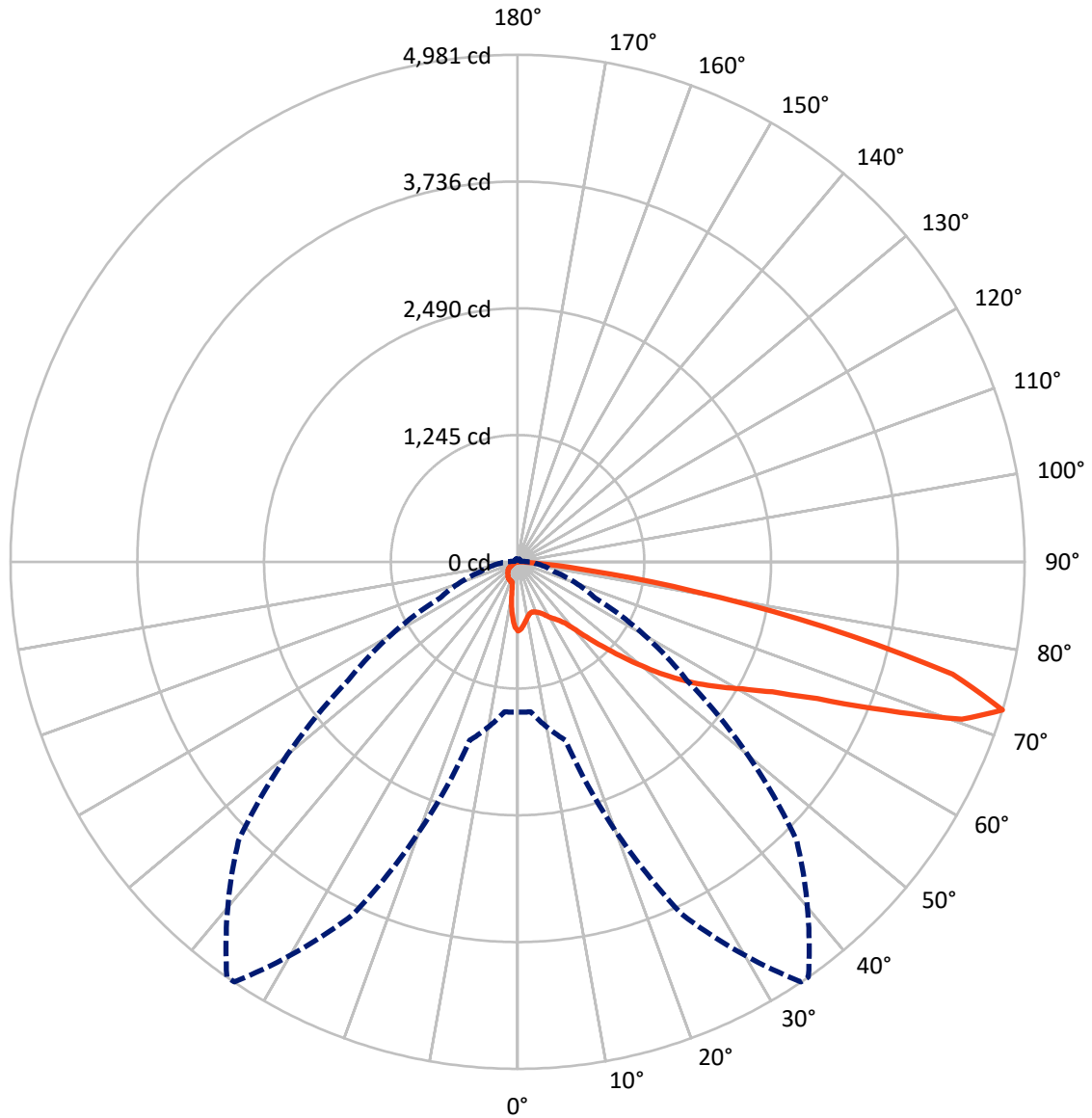
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	528.5	0.0	528.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4167.5	0.0	4167.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	4696.0	0.0	4696.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.2
10°-20°	130.8	2.8
20°-30°	212.5	4.5
30°-40°	354.6	7.6
40°-50°	671.0	14.3
50°-60°	1066.1	22.7
60°-70°	1318.9	28.1
70°-80°	819.8	17.5
80°-90°	66.2	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°	4696.0	100.0
0°-180°	4696.0	100.0

Coefficient of Utilization



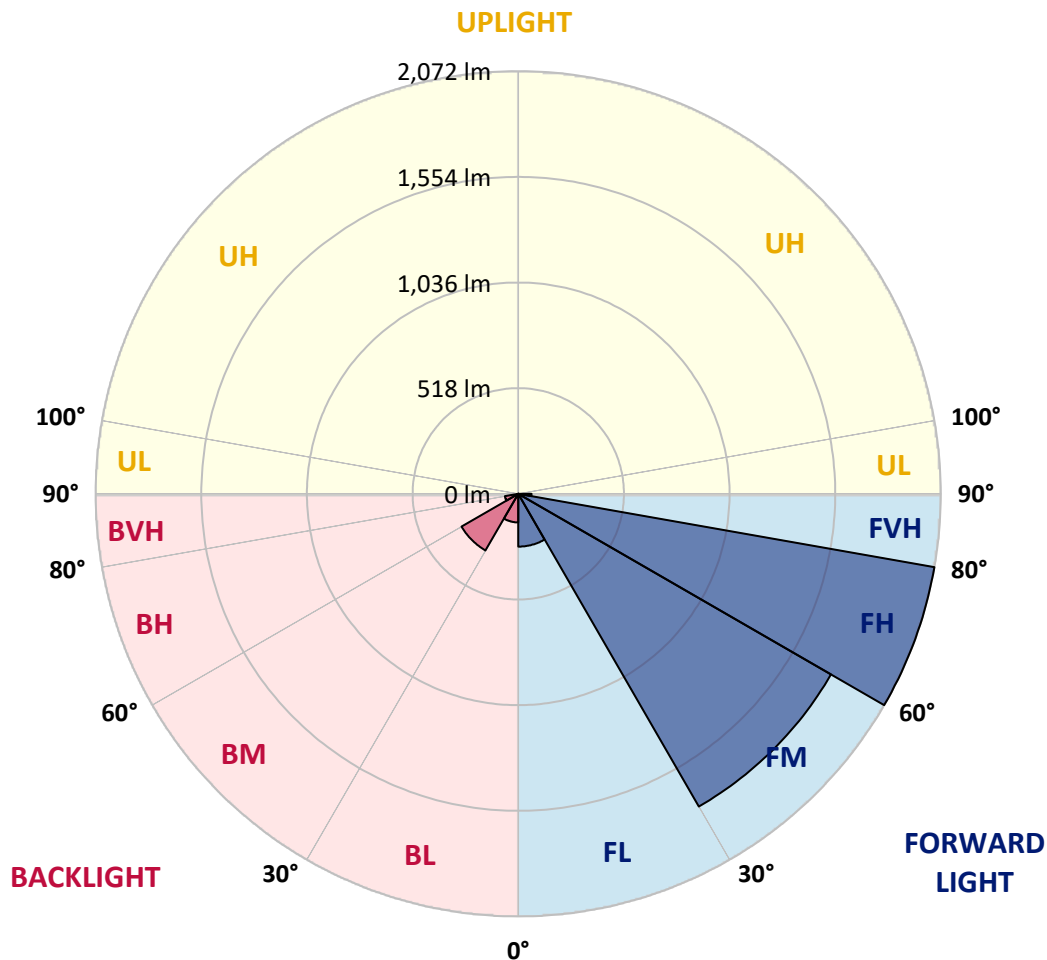
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.9	5.5			
FM (30°-60°)	1770.9	37.7			
FH (60°-80°)	2072.4	44.1			G2/5000
FVH (80°-90°)	65.4	1.4			G1/100
BL (0°-30°)	140.4	3.0	B1/500		
BM (30°-60°)	320.9	6.8	B1/1000		
BH (60°-80°)	66.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	650.3	655.8	656.9	658.6	658.6	660.7	664.1	668.9	676.8	681.0
5°	599.4	603.5	608.7	612.8	620.7	621.8	635.2	648.3	666.5	680.3
7.5°	548.1	553.0	559.8	569.8	580.1	583.2	603.5	625.6	654.5	680.3
10°	512.0	512.3	518.5	528.5	545.0	548.8	573.6	604.9	641.0	676.1
12.5°	491.7	494.1	496.9	504.4	520.3	522.7	549.2	586.0	627.6	673.7
15°	491.7	493.4	495.1	498.9	511.7	513.7	537.1	573.9	620.7	674.8
17.5°	496.9	499.6	498.2	502.7	516.1	517.5	538.2	570.5	620.4	681.3
20°	509.3	511.3	508.6	511.3	524.7	527.5	548.8	577.0	626.2	692.7
22.5°	528.9	529.9	523.4	525.4	539.2	542.6	567.4	595.6	640.3	710.9
25°	553.6	555.7	545.7	548.1	561.2	565.3	593.9	623.5	662.7	736.0
27.5°	582.2	583.2	574.6	574.3	591.1	597.0	625.9	657.9	692.7	767.7
30°	614.9	618.0	609.7	608.3	629.7	634.5	663.1	700.2	736.7	815.1
32.5°	640.7	643.1	638.3	641.7	663.4	667.2	708.1	760.1	805.9	882.6
35°	677.9	679.2	668.2	674.4	699.2	708.8	769.7	844.1	892.9	967.2
37.5°	812.4	812.4	765.6	735.0	758.7	767.3	854.0	949.7	1000.3	1080.8
40°	998.5	995.4	927.0	864.4	861.3	878.1	974.1	1082.8	1138.9	1217.0
42.5°	1197.1	1192.3	1099.0	1037.1	1026.8	1032.6	1112.8	1247.0	1304.1	1383.2
45°	1373.3	1371.9	1286.5	1203.3	1184.7	1203.3	1285.9	1439.0	1479.9	1563.2
47.5°	1520.9	1520.9	1458.6	1404.2	1394.6	1405.6	1520.2	1652.0	1648.2	1754.9
50°	1690.9	1689.5	1630.3	1606.9	1616.9	1632.4	1790.0	1876.3	1822.3	1943.1
52.5°	1809.9	1818.2	1797.9	1794.1	1845.0	1871.8	2063.8	2095.8	1978.2	2121.7
55°	1904.2	1913.8	1937.2	1963.7	2061.8	2096.9	2329.1	2304.0	2108.6	2276.5
57.5°	2037.7	2023.9	2060.1	2112.4	2271.0	2313.3	2586.2	2500.5	2213.5	2402.1
60°	2199.8	2201.8	2208.0	2274.1	2479.8	2534.2	2839.4	2686.3	2281.0	2479.2
62.5°	2394.5	2397.6	2410.3	2511.8	2760.3	2811.6	3109.2	2838.4	2311.9	2457.5
65°	2381.1	2394.2	2536.3	2883.5	3186.6	3237.2	3424.0	2945.1	2265.1	2259.3
67.5°	2169.1	2190.5	2428.2	3327.3	3829.4	3885.8	3804.6	2966.0	2063.2	1756.9
70°	1891.1	1898.7	2184.6	3726.5	4573.6	4630.7	4145.2	2735.2	1565.6	980.0
72.5°	1476.8	1478.6	1814.0	3819.0	4977.6	4980.7	3877.9	2030.5	842.0	376.4
75°	1055.0	1044.7	1215.0	3097.1	4379.2	4414.3	2907.2	952.4	321.7	177.9
77.5°	565.7	577.0	687.5	1836.7	3025.2	3085.1	1586.2	274.6	163.8	121.1
80°	174.8	184.4	281.8	841.0	1713.6	1749.7	588.0	122.2	114.2	86.4
82.5°	55.1	57.1	131.4	353.4	711.2	727.7	170.3	69.2	78.1	57.1
85°	15.8	16.2	58.5	131.8	175.8	179.3	47.8	26.8	44.7	35.4
87.5°	1.7	5.5	22.0	22.0	15.5	15.1	5.2	5.8	12.7	4.5
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°
680.6	0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
683.7	2.5°	682.0	682.3	677.9	670.3	662.0	655.1	646.5	639.7	634.8	633.5
689.9	5°	686.8	684.4	671.7	648.6	621.1	597.3	570.8	549.9	536.1	530.2
696.4	7.5°	694.0	687.1	659.3	613.9	561.2	514.4	466.9	430.1	406.7	395.0
702.6	10°	700.2	686.5	638.6	563.6	483.1	412.2	348.2	303.8	279.1	267.4
709.9	12.5°	706.1	686.1	611.8	504.1	395.0	308.3	248.8	226.8	219.9	217.5
721.6	15°	717.1	687.1	578.1	436.0	307.3	232.9	211.3	210.9	212.3	211.6
739.4	17.5°	732.2	688.2	539.9	363.7	237.1	205.4	204.4	207.5	209.6	208.5
761.8	20°	751.8	692.3	499.3	292.1	203.7	198.5	200.9	203.7	205.4	203.7
791.7	22.5°	779.4	699.5	454.9	234.7	193.0	194.4	196.5	199.6	201.3	198.9
829.9	25°	813.1	710.9	411.2	204.0	187.9	189.6	192.7	196.1	198.2	195.8
878.1	27.5°	856.8	729.1	370.9	197.2	182.7	183.7	188.2	193.4	196.1	193.0
946.6	30°	920.1	759.1	336.2	200.3	179.6	177.2	183.4	190.6	193.7	191.0
1039.8	32.5°	1004.1	801.4	314.8	205.1	178.2	169.6	175.5	184.8	189.9	188.2
1161.6	35°	1114.2	865.7	306.6	210.6	177.2	161.7	165.9	175.8	184.8	186.5
1315.1	37.5°	1247.7	955.2	309.0	213.0	174.1	155.2	157.2	165.9	177.5	183.1
1487.8	40°	1399.4	1059.4	322.8	210.6	170.7	149.7	150.0	156.6	166.9	175.1
1673.6	42.5°	1556.0	1181.3	348.2	201.6	167.6	144.9	143.8	148.3	155.2	161.0
1859.1	45°	1705.0	1306.5	373.3	189.2	163.8	140.0	137.6	139.4	140.7	143.1
2039.8	47.5°	1835.0	1394.6	366.1	177.9	158.6	134.5	130.4	129.7	125.6	125.2
2201.1	50°	1924.8	1413.9	325.2	166.5	151.1	128.3	121.8	117.7	110.5	107.0
2321.9	52.5°	1953.4	1337.8	265.6	155.2	138.7	120.1	110.8	104.3	95.3	92.2
2391.4	55°	1915.5	1188.8	212.3	141.4	121.5	109.1	98.8	90.2	82.9	79.1
2399.0	57.5°	1823.0	999.2	167.9	125.2	103.2	96.7	86.4	77.8	71.6	67.8
2315.0	60°	1669.5	793.5	132.8	106.0	88.1	83.3	72.6	67.1	61.6	57.1
2098.3	62.5°	1436.6	566.4	104.3	84.0	73.6	68.1	61.9	57.8	51.3	45.1
1708.4	65°	1121.0	346.5	80.5	61.6	59.2	56.4	52.6	48.9	40.9	34.8
1114.5	67.5°	707.1	164.1	57.5	46.5	46.8	45.4	43.7	40.6	34.8	29.2
499.3	70°	311.4	79.5	37.8	35.4	34.8	34.8	36.1	35.1	29.6	24.4
173.4	72.5°	106.0	42.7	28.2	26.8	25.1	24.8	30.3	29.2	23.7	18.9
86.4	75°	55.4	28.6	20.6	19.3	15.1	18.2	24.1	22.7	16.9	12.4
57.1	77.5°	36.1	20.3	14.1	12.4	8.6	12.0	17.9	15.8	10.0	6.2
37.5	80°	22.7	13.4	8.3	5.8	4.1	6.5	9.6	6.9	3.8	1.4
22.0	82.5°	12.0	6.9	3.1	2.1	1.7	2.1	2.4	1.7	0.7	0.0
11.4	85°	4.8	2.4	1.0	0.7	0.3	0.0	0.7	0.3	0.0	0.0
2.1	87.5°	1.7	0.3	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

<u>180°</u>
680.6
635.9
532.3
396.7
267.7
216.8
211.3
208.2
203.4
198.5
195.4
193.0
190.6
188.2
186.5
184.4
177.9
163.4
144.5
124.9
107.4
91.9
79.1
67.1
56.1
44.0
33.7
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23.4
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