

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: P852102

Luminaire Tested: **GLAN-SB1B-840-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852102  
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-SB1B-840-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 450mA 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: 3793 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

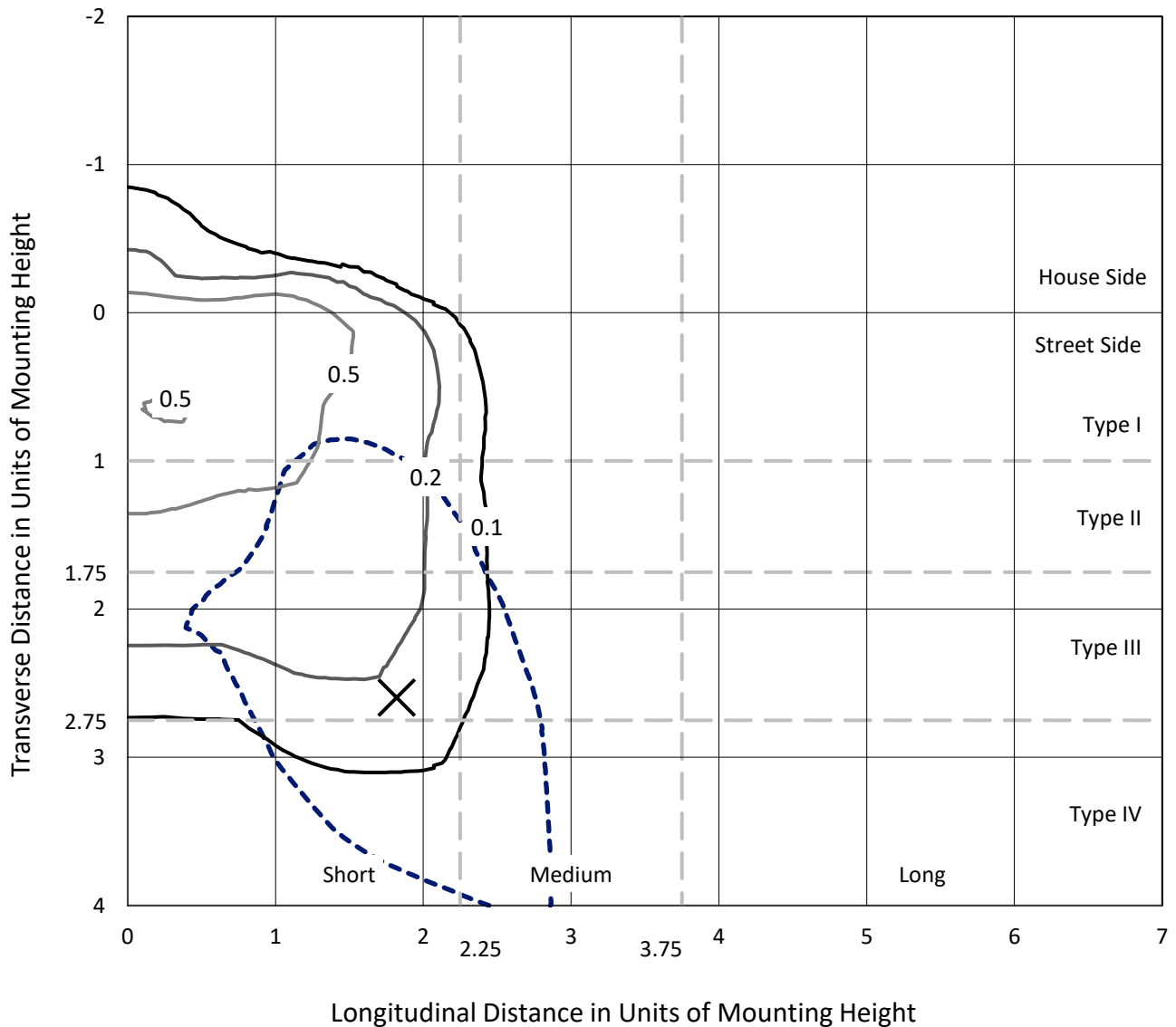
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

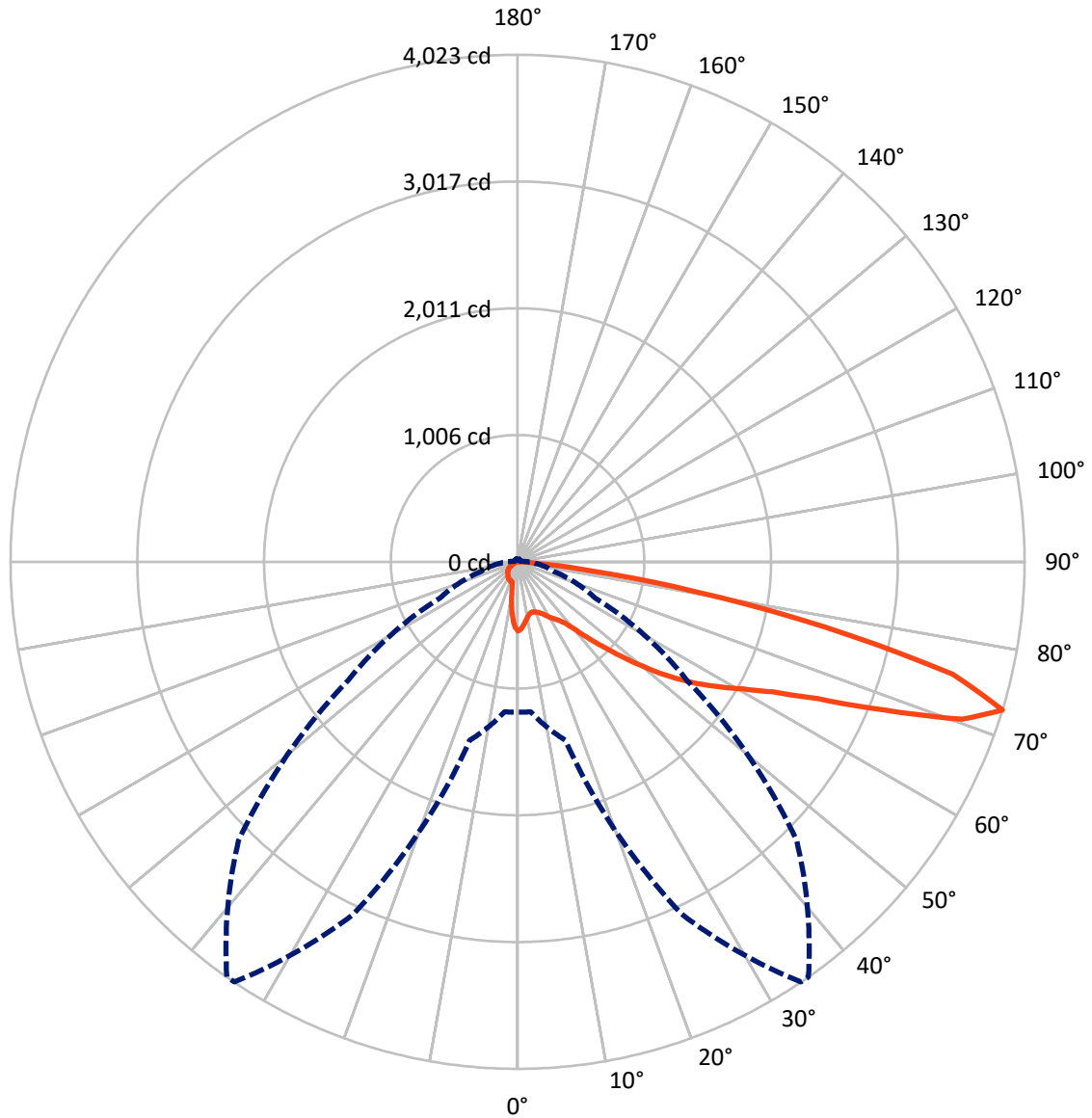
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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
<b>House Side</b>	Lumens	426.9	0.0	426.9
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	3366.1	0.0	3366.1
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	3793.0	0.0	3793.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	1.2
10°-20°	105.7	2.8
20°-30°	171.7	4.5
30°-40°	286.4	7.6
40°-50°	541.9	14.3
50°-60°	861.1	22.7
60°-70°	1065.3	28.1
70°-80°	662.2	17.5
80°-90°	53.5	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°	3793.0	100.0
0°-180°	3793.0	100.0

**Coefficient of Utilization**



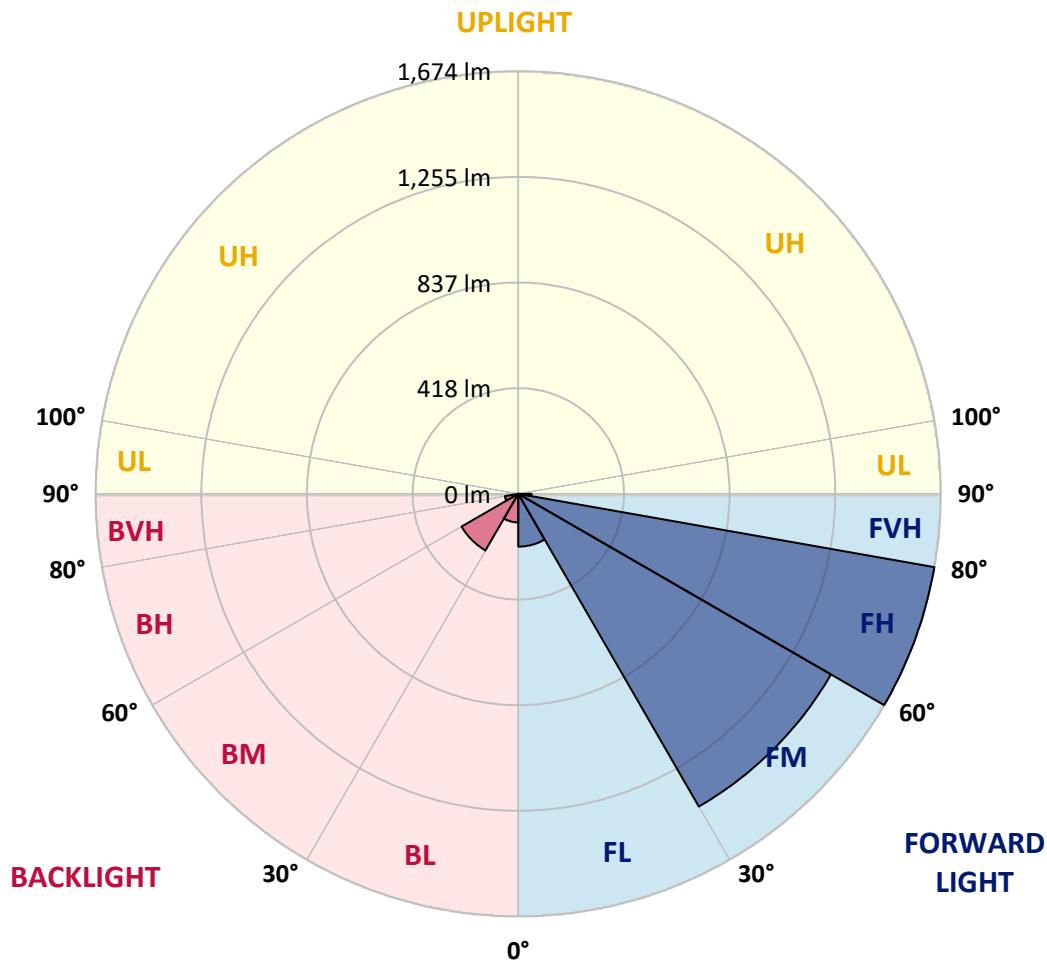
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.1	5.5			
FM (30°-60°)	1430.3	37.7			
FH (60°-80°)	1673.9	44.1			G1/1800
FVH (80°-90°)	52.8	1.4			G1/100
BL (0°-30°)	113.4	3.0	B1/500		
BM (30°-60°)	259.2	6.8	B1/1000		
BH (60°-80°)	53.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7
2.5°	525.3	529.7	530.6	531.9	531.9	533.6	536.4	540.3	546.7	550.0
5°	484.1	487.5	491.6	495.0	501.4	502.2	513.0	523.6	538.3	549.5
7.5°	442.7	446.6	452.2	460.2	468.6	471.1	487.5	505.3	528.6	549.5
10°	413.6	413.8	418.8	426.9	440.2	443.3	463.3	488.6	517.8	546.1
12.5°	397.2	399.1	401.3	407.4	420.2	422.2	443.6	473.3	506.9	544.2
15°	397.2	398.5	399.9	403.0	413.3	414.9	433.8	463.6	501.4	545.0
17.5°	401.3	403.5	402.4	406.0	416.9	418.0	434.7	460.8	501.1	550.3
20°	411.3	413.0	410.8	413.0	423.8	426.1	443.3	466.1	505.8	559.5
22.5°	427.2	428.0	422.7	424.4	435.5	438.3	458.3	481.1	517.2	574.2
25°	447.2	448.8	440.8	442.7	453.3	456.6	479.7	503.6	535.3	594.5
27.5°	470.2	471.1	464.1	463.9	477.5	482.2	505.5	531.4	559.5	620.0
30°	496.6	499.2	492.5	491.4	508.6	512.5	535.6	565.6	595.0	658.4
32.5°	517.5	519.4	515.5	518.3	535.8	538.9	572.0	613.9	650.9	712.9
35°	547.5	548.6	539.7	544.7	564.7	572.5	621.7	681.7	721.2	781.2
37.5°	656.2	656.2	618.4	593.6	612.8	619.8	689.8	767.1	807.9	873.0
40°	806.5	804.0	748.7	698.1	695.6	709.3	786.8	874.6	919.9	983.0
42.5°	966.9	963.0	887.7	837.7	829.3	834.0	898.8	1007.2	1053.3	1117.3
45°	1109.2	1108.1	1039.2	971.9	956.9	971.9	1038.6	1162.3	1195.3	1262.6
47.5°	1228.4	1228.4	1178.1	1134.2	1126.4	1135.3	1227.9	1334.3	1331.3	1417.4
50°	1365.7	1364.6	1316.8	1297.9	1306.0	1318.5	1445.8	1515.5	1471.9	1569.4
52.5°	1461.9	1468.5	1452.2	1449.1	1490.2	1511.9	1667.0	1692.8	1597.8	1713.7
55°	1538.0	1545.8	1564.7	1586.1	1665.3	1693.7	1881.3	1861.0	1703.1	1838.7
57.5°	1645.9	1634.7	1663.9	1706.2	1834.3	1868.5	2088.9	2019.7	1787.9	1940.2
60°	1776.8	1778.4	1783.4	1836.8	2003.0	2046.9	2293.4	2169.7	1842.4	2002.4
62.5°	1934.1	1936.6	1946.9	2028.8	2229.5	2270.9	2511.3	2292.6	1867.4	1984.9
65°	1923.2	1933.8	2048.6	2329.0	2573.9	2614.7	2765.6	2378.7	1829.6	1824.8
67.5°	1752.0	1769.3	1961.3	2687.5	3093.0	3138.6	3073.0	2395.7	1666.4	1419.1
70°	1527.5	1533.6	1764.5	3009.9	3694.2	3740.3	3348.1	2209.2	1264.6	791.5
72.5°	1192.8	1194.2	1465.2	3084.7	4020.4	4022.9	3132.2	1640.0	680.1	304.0
75°	852.1	843.8	981.3	2501.6	3537.1	3565.5	2348.2	769.3	259.9	143.7
77.5°	456.9	466.1	555.3	1483.6	2443.5	2491.9	1281.2	221.8	132.3	97.8
80°	141.2	149.0	227.6	679.2	1384.1	1413.2	475.0	98.7	92.3	69.8
82.5°	44.5	46.1	106.2	285.4	574.5	587.8	137.6	55.9	63.1	46.1
85°	12.8	13.1	47.2	106.4	142.0	144.8	38.6	21.7	36.1	28.6
87.5°	1.4	4.4	17.8	17.8	12.5	12.2	4.2	4.7	10.3	3.6
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°
549.7	0°	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7
552.2	2.5°	550.8	551.1	547.5	541.4	534.7	529.2	522.2	516.7	512.8	511.7
557.2	5°	554.7	552.8	542.5	523.9	501.7	482.5	461.1	444.1	433.0	428.3
562.5	7.5°	560.6	555.0	532.5	495.8	453.3	415.5	377.1	347.4	328.5	319.1
567.5	10°	565.6	554.5	515.8	455.2	390.2	333.0	281.3	245.4	225.4	215.9
573.4	12.5°	570.3	554.2	494.1	407.2	319.1	249.0	200.9	183.2	177.6	175.6
582.8	15°	579.2	555.0	466.9	352.1	248.2	188.2	170.6	170.4	171.5	170.9
597.3	17.5°	591.4	555.8	436.1	293.8	191.5	165.9	165.1	167.6	169.3	168.4
615.3	20°	607.3	559.2	403.3	236.0	164.5	160.4	162.3	164.5	165.9	164.5
639.5	22.5°	629.5	565.0	367.4	189.5	155.9	157.0	158.7	161.2	162.6	160.6
670.4	25°	656.7	574.2	332.1	164.8	151.7	153.1	155.6	158.4	160.1	158.1
709.3	27.5°	692.0	588.9	299.6	159.3	147.6	148.4	152.0	156.2	158.4	155.9
764.6	30°	743.2	613.1	271.5	161.8	145.1	143.1	148.1	154.0	156.5	154.2
839.9	32.5°	811.0	647.3	254.3	165.6	144.0	137.0	141.7	149.2	153.4	152.0
938.3	35°	899.9	699.3	247.6	170.1	143.1	130.6	134.0	142.0	149.2	150.6
1062.2	37.5°	1007.8	771.5	249.6	172.0	140.6	125.3	127.0	134.0	143.4	147.9
1201.7	40°	1130.3	855.7	260.7	170.1	137.9	120.9	121.2	126.5	134.8	141.5
1351.8	42.5°	1256.8	954.1	281.3	162.9	135.3	117.0	116.2	119.8	125.3	130.1
1501.6	45°	1377.1	1055.3	301.5	152.9	132.3	113.1	111.2	112.6	113.7	115.6
1647.5	47.5°	1482.2	1126.4	295.7	143.7	128.1	108.7	105.3	104.8	101.4	101.2
1777.9	50°	1554.7	1142.0	262.6	134.5	122.0	103.7	98.4	95.0	89.2	86.4
1875.4	52.5°	1577.8	1080.6	214.6	125.3	112.0	97.0	89.5	84.2	77.0	74.5
1931.6	55°	1547.2	960.2	171.5	114.2	98.1	88.1	79.8	72.8	67.0	63.9
1937.7	57.5°	1472.4	807.1	135.6	101.2	83.4	78.1	69.8	62.8	57.8	54.8
1869.9	60°	1348.5	640.9	107.3	85.6	71.1	67.3	58.6	54.2	49.7	46.1
1694.8	62.5°	1160.3	457.5	84.2	67.8	59.5	55.0	50.0	46.7	41.4	36.4
1379.9	65°	905.5	279.9	65.0	49.7	47.8	45.6	42.5	39.5	33.1	28.1
900.2	67.5°	571.1	132.6	46.4	37.5	37.8	36.7	35.3	32.8	28.1	23.6
403.3	70°	251.5	64.2	30.6	28.6	28.1	28.1	29.2	28.3	23.9	19.7
140.1	72.5°	85.6	34.5	22.8	21.7	20.3	20.0	24.5	23.6	19.2	15.3
69.8	75°	44.7	23.1	16.7	15.6	12.2	14.7	19.5	18.3	13.6	10.0
46.1	77.5°	29.2	16.4	11.4	10.0	6.9	9.7	14.5	12.8	8.1	5.0
30.3	80°	18.3	10.8	6.7	4.7	3.3	5.3	7.8	5.6	3.1	1.1
17.8	82.5°	9.7	5.6	2.5	1.7	1.4	1.7	1.9	1.4	0.6	0.0
9.2	85°	3.9	1.9	0.8	0.6	0.3	0.0	0.6	0.3	0.0	0.0
1.7	87.5°	1.4	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>
549.7
513.6
429.9
320.4
216.2
175.1
170.6
168.1
164.3
160.4
157.9
155.9
154.0
152.0
150.6
149.0
143.7
132.0
116.7
100.9
86.7
74.2
63.9
54.2
45.3
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27.2
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