

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: P845982

Luminaire Tested: **GLAN-SB1B-927-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845982  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-927-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2532 lumens  
Efficiency: N/A  
Efficacy: 63.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

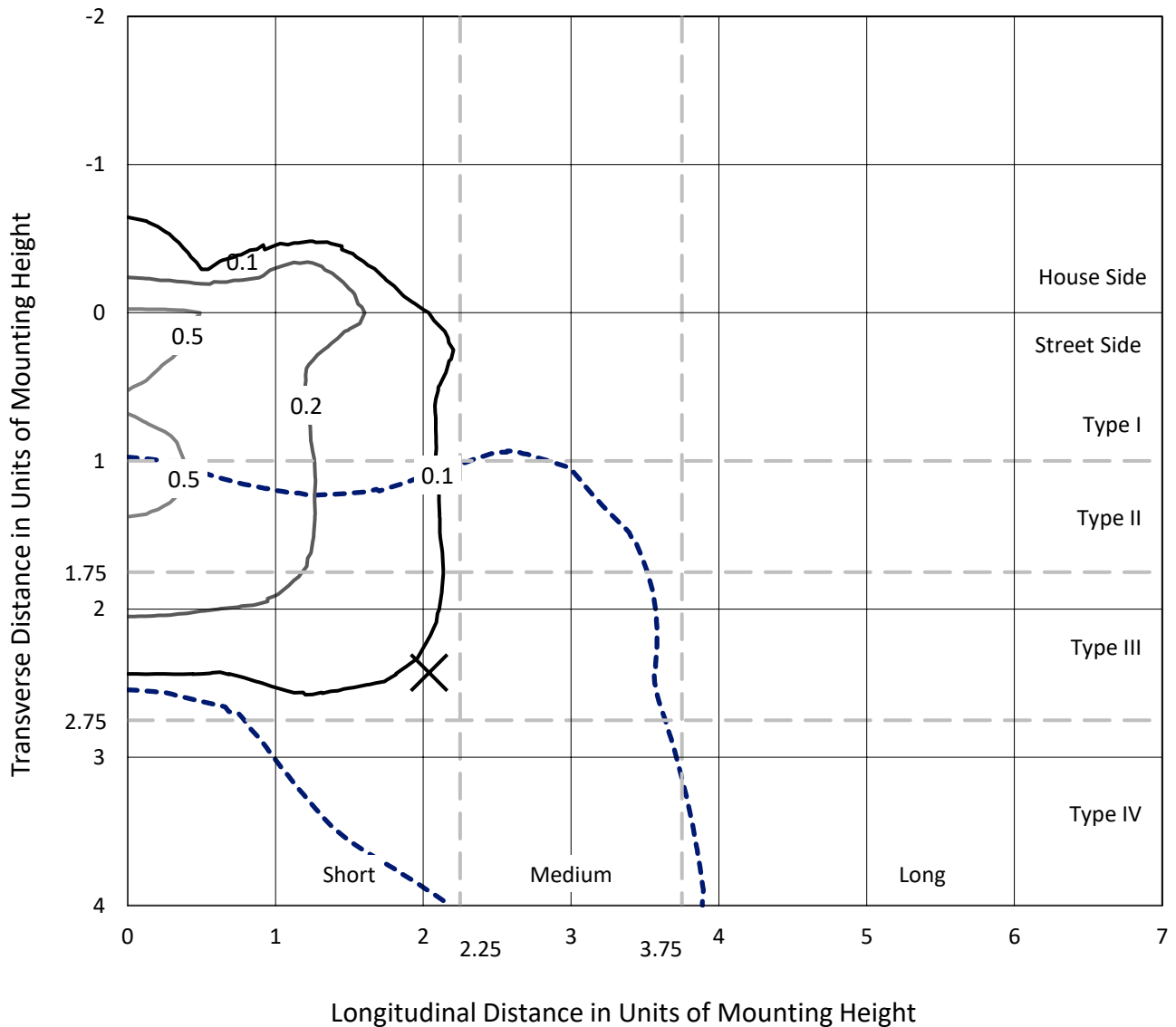
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

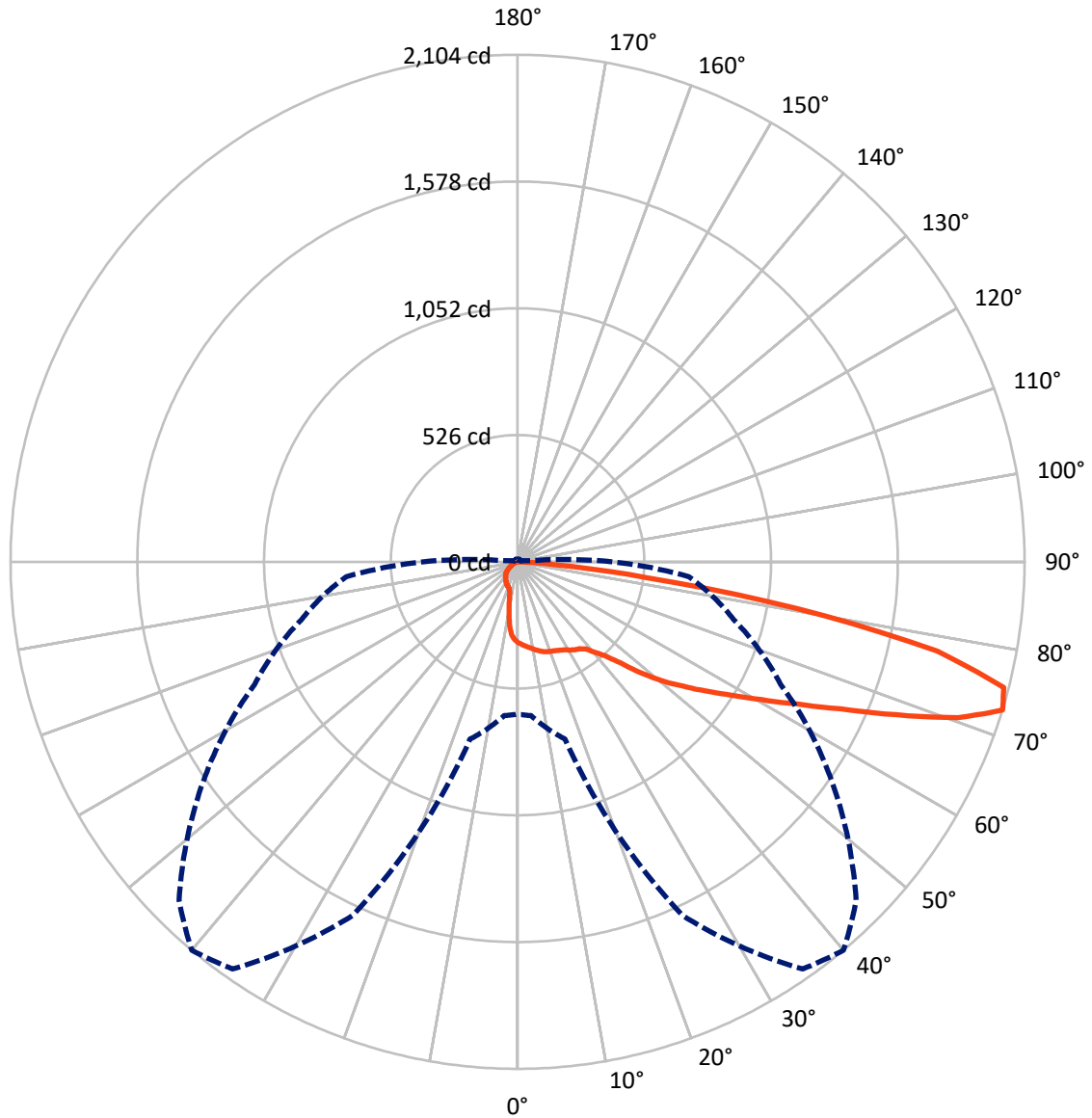
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	327.0	0.0	327.0
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2205.0	0.0	2205.0
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	2532.0	0.0	2532.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	1.2
10°-20°	83.1	3.3
20°-30°	134.5	5.3
30°-40°	198.6	7.8
40°-50°	334.3	13.2
50°-60°	519.1	20.5
60°-70°	649.5	25.7
70°-80°	531.7	21.0
80°-90°	50.4	2.0
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°	2532.0	100.0
0°-180°	2532.0	100.0

**Coefficient of Utilization**



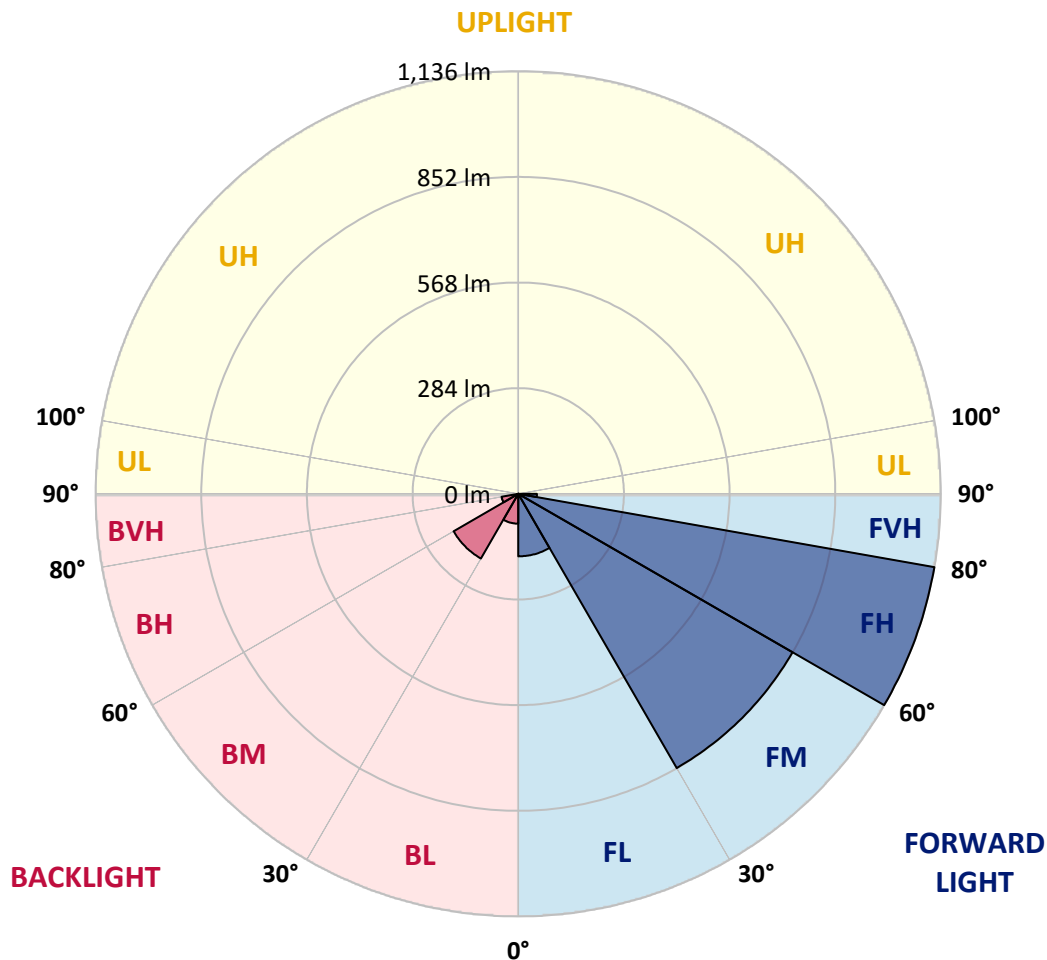
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.1	6.6			
FM (30°-60°)	851.2	33.6			
FH (60°-80°)	1135.7	44.9			G1/1800
FVH (80°-90°)	50.0	2.0			G1/100
BL (0°-30°)	80.3	3.2	B0/110		
BM (30°-60°)	200.8	7.9	B0/220		
BH (60°-80°)	45.5	1.8	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3
2.5°	345.4	346.7	345.9	344.4	344.0	343.3	342.3	341.9	340.6	339.5
5°	355.1	356.4	355.5	353.4	352.4	351.5	350.1	349.0	346.3	343.8
7.5°	365.8	366.9	365.8	362.7	361.2	360.0	358.1	356.4	353.4	349.8
10°	377.6	378.5	376.8	372.8	370.3	368.6	366.9	365.0	362.1	358.1
12.5°	388.7	389.8	387.1	382.4	379.5	377.8	375.9	374.4	371.5	367.7
15°	398.8	400.5	395.9	390.8	387.5	386.2	384.3	383.3	381.4	378.7
17.5°	406.4	407.5	402.8	396.7	393.0	392.1	390.8	391.3	390.9	389.6
20°	412.9	413.6	407.3	399.9	395.9	396.1	395.7	397.6	398.4	398.4
22.5°	420.9	421.1	413.1	403.7	399.0	400.3	400.9	403.0	404.5	406.0
25°	431.4	431.0	421.5	408.7	404.5	406.4	407.7	408.5	410.2	412.7
27.5°	447.0	445.9	433.7	416.7	411.7	413.4	415.9	415.5	414.8	416.7
30°	466.8	465.3	449.1	427.9	423.4	424.9	425.7	422.2	416.7	418.4
32.5°	498.3	495.6	473.1	440.5	433.5	435.2	434.2	427.2	419.0	420.7
35°	553.0	546.6	514.7	466.8	444.9	443.0	440.7	433.9	423.7	422.0
37.5°	669.4	657.9	603.6	518.1	470.8	458.5	451.4	444.5	428.9	422.0
40°	800.6	788.9	726.2	604.0	513.9	493.0	476.2	457.1	434.2	424.5
42.5°	937.5	924.7	860.3	710.4	575.5	532.4	501.2	467.2	443.0	432.1
45°	1090.4	1074.4	990.1	821.4	665.0	598.0	541.4	488.0	458.3	445.7
47.5°	1251.8	1231.0	1119.6	929.1	761.3	688.8	615.0	525.2	480.8	465.9
50°	1394.8	1374.2	1253.3	1041.8	851.3	775.2	698.9	576.7	514.5	494.5
52.5°	1497.6	1482.0	1375.0	1158.1	944.9	856.3	775.0	636.6	557.2	531.1
55°	1566.4	1552.1	1461.2	1268.4	1053.8	945.5	850.0	701.6	608.7	575.0
57.5°	1608.2	1600.0	1523.5	1366.8	1161.8	1043.1	935.8	773.1	669.4	626.7
60°	1623.1	1616.4	1562.2	1460.6	1292.2	1160.4	1036.7	853.8	743.0	685.4
62.5°	1583.4	1584.7	1590.1	1571.8	1429.7	1297.7	1157.6	950.7	824.6	751.9
65°	1396.7	1407.8	1509.2	1695.0	1611.8	1469.8	1311.5	1068.9	918.0	827.7
67.5°	1156.4	1172.4	1298.7	1767.1	1806.0	1693.1	1525.8	1219.6	1029.4	904.7
70°	885.2	902.4	1055.4	1752.0	1987.7	1937.2	1790.9	1411.2	1144.8	958.1
72.5°	631.8	640.6	761.1	1617.9	2062.3	2103.5	1986.2	1592.8	1203.7	928.5
75°	444.0	442.4	522.3	1302.9	1946.1	2083.2	1917.7	1494.5	1089.3	737.6
77.5°	193.4	193.8	260.9	791.2	1553.3	1779.3	1594.1	936.2	759.4	390.9
80°	50.2	51.7	95.7	315.0	935.2	1174.4	972.2	411.5	350.9	95.4
82.5°	17.7	18.9	44.1	99.0	345.0	538.5	432.9	131.6	91.5	27.3
85°	5.1	6.1	23.6	30.3	71.3	152.2	105.1	25.6	22.5	14.1
87.5°	0.0	0.8	4.8	4.2	4.2	2.9	5.3	2.9	3.6	1.7
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°
335.3	0°	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3
338.1	2.5°	337.0	335.6	332.8	329.7	326.9	324.2	323.4	320.6	319.2	319.4
340.8	5°	338.7	336.2	330.7	324.0	317.1	309.3	302.8	293.7	285.9	284.9
345.9	7.5°	343.3	339.3	330.3	317.3	300.2	278.6	258.6	238.8	227.5	221.4
353.6	10°	350.3	345.0	331.3	306.5	270.0	231.5	201.2	176.2	163.4	157.5
362.9	12.5°	358.7	352.8	332.8	288.0	231.1	180.6	147.8	132.5	129.9	129.5
374.4	15°	370.5	364.1	334.5	263.0	189.0	137.5	122.4	122.6	124.7	125.9
386.7	17.5°	383.7	377.2	332.0	232.5	147.4	117.5	117.1	118.8	121.9	123.0
398.2	20°	397.0	390.9	323.2	196.6	119.2	111.9	113.5	115.4	118.4	120.0
409.4	22.5°	410.8	405.4	309.3	158.5	107.6	107.9	109.8	111.8	115.2	116.9
420.5	25°	425.5	420.9	290.8	127.0	102.6	103.7	106.2	108.5	112.1	114.2
429.8	27.5°	440.3	436.9	269.8	106.0	98.0	99.4	102.2	105.3	108.9	111.4
438.0	30°	456.5	454.6	253.1	98.2	93.6	94.8	98.0	101.5	105.5	108.5
446.2	32.5°	473.1	472.8	244.9	103.9	89.6	90.4	93.3	96.7	101.6	105.5
453.1	35°	489.5	490.3	240.1	120.1	88.3	86.2	88.1	91.2	97.1	101.8
460.9	37.5°	510.5	512.4	239.9	137.7	91.5	82.0	83.3	85.4	90.6	96.1
473.1	40°	541.8	551.9	252.1	152.8	97.3	78.2	78.6	79.0	81.6	86.2
489.3	42.5°	583.4	612.9	296.2	163.1	99.5	74.8	73.4	71.3	70.9	73.4
511.5	45°	635.0	686.7	373.6	168.8	97.3	70.9	67.3	61.8	59.7	61.4
541.4	47.5°	695.9	767.6	465.3	170.1	93.4	66.2	59.7	52.4	50.7	51.3
581.6	50°	755.2	828.2	546.0	159.0	87.2	60.1	51.3	45.2	44.1	44.2
629.1	52.5°	807.6	849.0	568.9	132.9	78.8	52.6	44.1	39.9	39.1	39.1
681.6	55°	842.3	826.5	507.3	101.6	68.3	45.0	37.8	35.7	35.3	35.1
740.1	57.5°	849.6	753.3	383.1	73.4	53.4	38.0	33.6	32.4	31.7	30.9
800.2	60°	823.6	631.2	243.9	51.3	40.0	32.4	29.7	29.0	27.5	25.9
856.6	62.5°	767.6	476.8	135.0	35.7	32.2	27.7	26.3	25.4	22.5	20.0
901.5	65°	692.3	316.9	59.7	27.8	26.3	23.3	22.5	21.2	17.7	14.9
918.4	67.5°	616.5	182.5	26.9	22.3	21.2	19.1	18.5	17.5	15.1	12.4
875.1	70°	530.2	92.5	18.5	17.7	16.4	14.5	15.1	14.9	12.4	10.1
713.8	72.5°	394.8	46.0	13.9	13.3	11.8	10.3	12.4	12.2	9.7	7.6
440.1	75°	223.5	22.7	10.1	9.3	7.1	7.6	9.9	9.3	6.7	5.0
185.7	77.5°	88.7	11.6	6.7	5.7	4.2	5.1	7.2	6.3	3.4	2.1
35.5	80°	20.4	5.7	3.4	2.5	1.9	3.1	3.8	2.3	1.0	0.2
9.5	82.5°	5.7	2.5	1.1	1.0	1.0	1.1	1.0	0.4	0.0	0.0
2.5	85°	1.9	1.1	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.8	87.5°	0.8	0.4	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°
335.3
319.2
284.3
221.0
156.4
129.3
125.7
122.8
120.0
116.9
114.2
111.6
108.9
105.8
102.6
97.1
87.7
74.8
61.4
51.1
44.2
38.9
34.7
30.5
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