

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: P845952

Luminaire Tested: **GLAN-SB1B-835-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845952  
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-835-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 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: 3256 lumens  
Efficiency: N/A  
Efficacy: 81.8 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

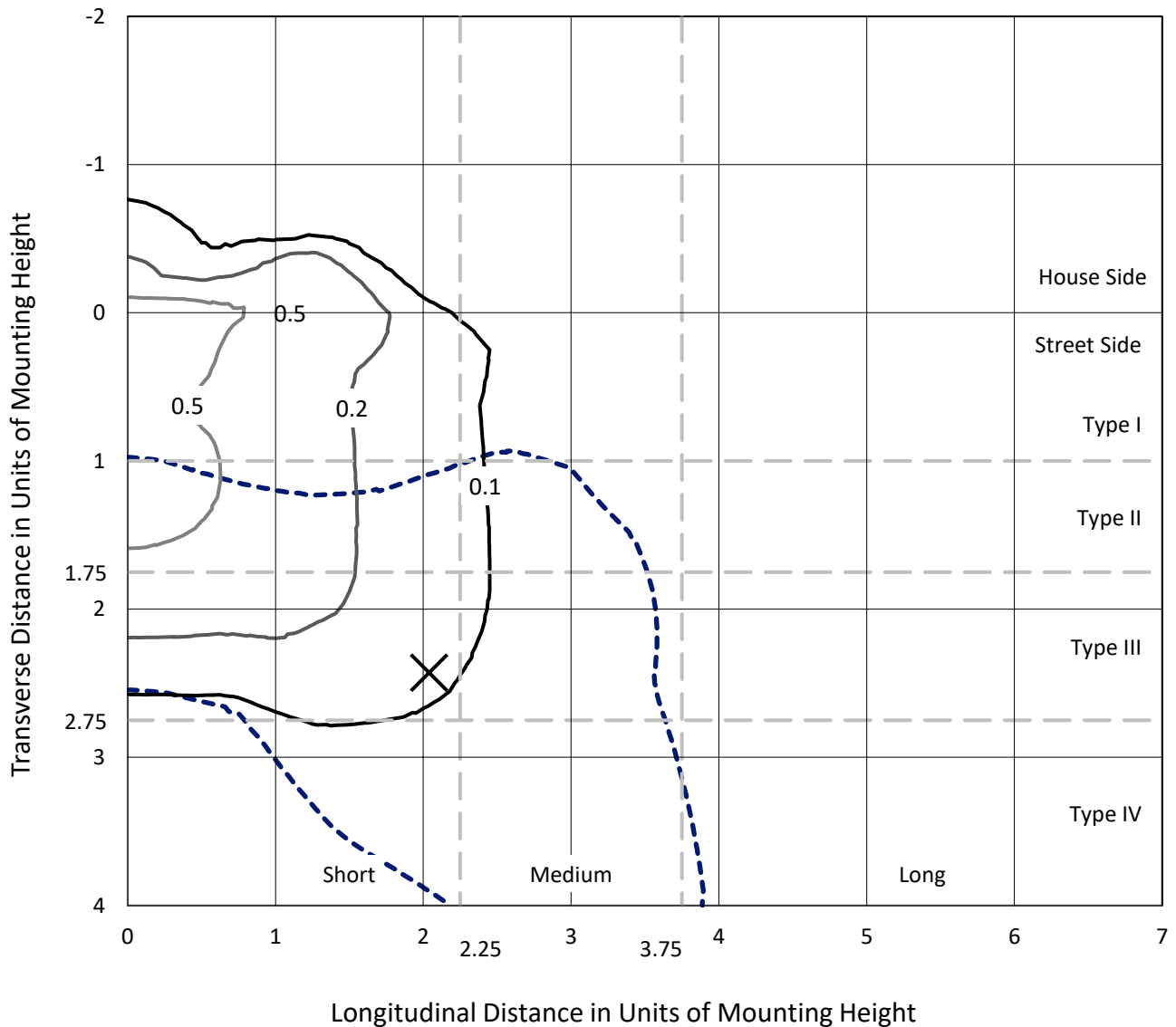
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

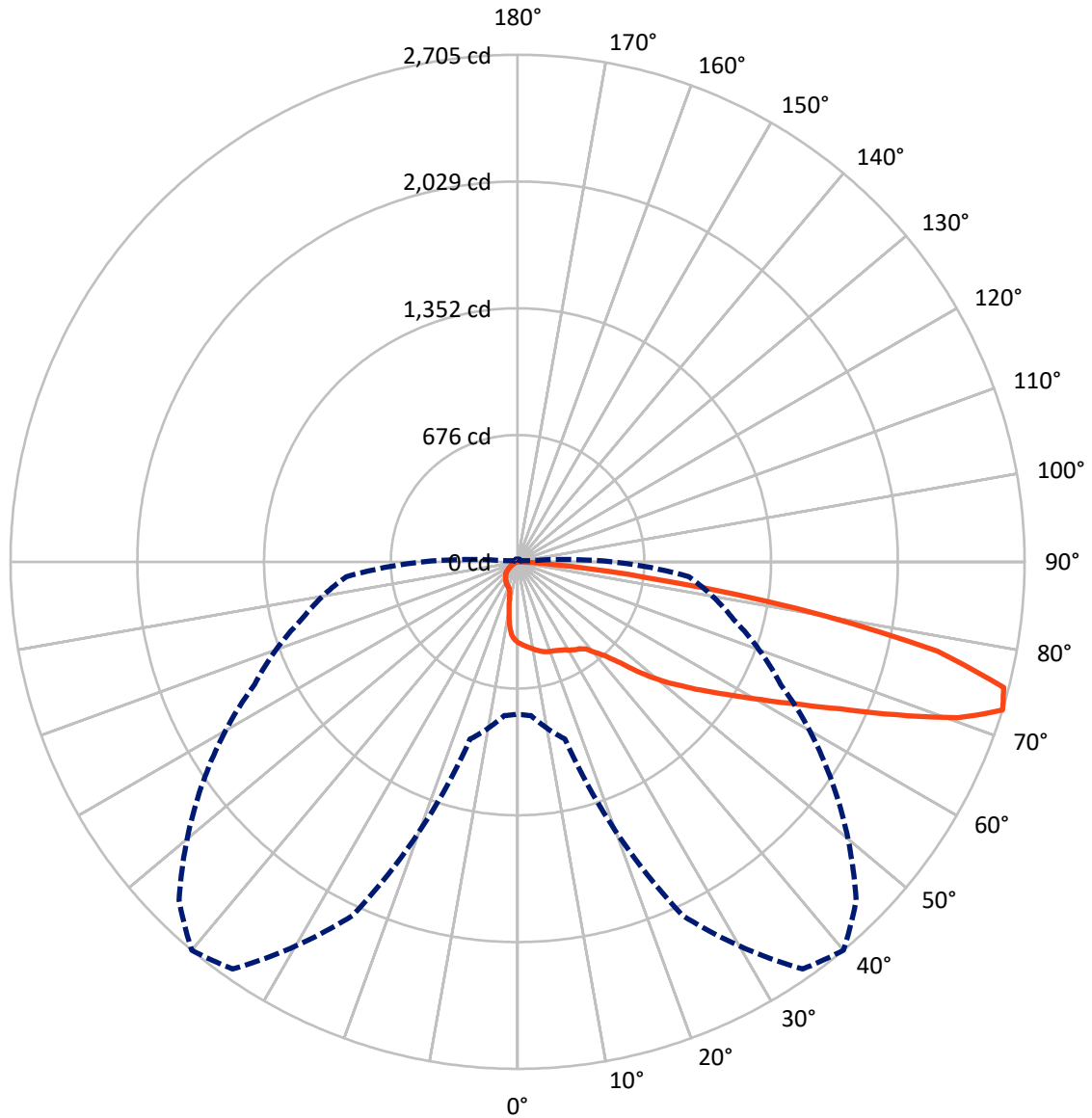
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	420.5	0.0	420.5
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2835.5	0.0	2835.5
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	3256.0	0.0	3256.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	1.2
10°-20°	106.9	3.3
20°-30°	173.0	5.3
30°-40°	255.4	7.8
40°-50°	429.9	13.2
50°-60°	667.5	20.5
60°-70°	835.2	25.7
70°-80°	683.8	21.0
80°-90°	64.8	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°	3256.0	100.0
0°-180°	3256.0	100.0

**Coefficient of Utilization**



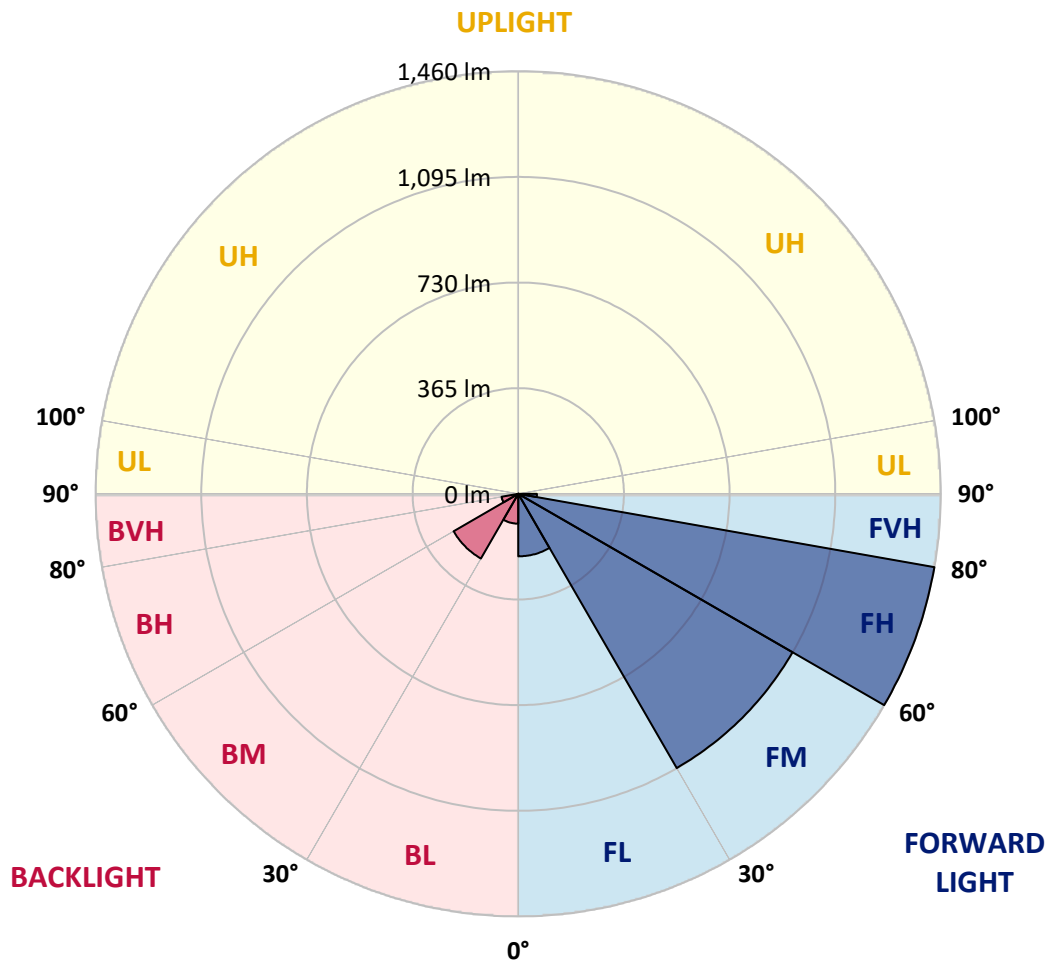
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.1	6.6			
FM (30°-60°)	1094.6	33.6			
FH (60°-80°)	1460.5	44.9			G1/1800
FVH (80°-90°)	64.3	2.0			G1/100
BL (0°-30°)	103.2	3.2	B0/110		
BM (30°-60°)	258.2	7.9	B1/1000		
BH (60°-80°)	58.6	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	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°	35°	40°	45°	55°	65°	75°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	444.1	445.8	444.9	442.9	442.4	441.4	440.2	439.7	438.0	436.5
5°	456.6	458.3	457.1	454.4	453.2	452.0	450.2	448.8	445.3	442.2
7.5°	470.4	471.8	470.4	466.4	464.5	463.0	460.5	458.3	454.4	449.8
10°	485.6	486.8	484.6	479.4	476.2	474.0	471.8	469.4	465.7	460.5
12.5°	499.8	501.3	497.8	491.7	488.0	485.8	483.4	481.4	477.7	472.8
15°	512.8	515.0	509.1	502.5	498.3	496.6	494.1	492.9	490.5	487.0
17.5°	522.6	524.1	517.9	510.1	505.4	504.2	502.5	503.2	502.7	501.0
20°	530.9	531.9	523.8	514.3	509.1	509.4	508.9	511.3	512.3	512.3
22.5°	541.2	541.5	531.2	519.2	513.0	514.7	515.5	518.2	520.1	522.1
25°	554.7	554.2	542.0	525.5	520.1	522.6	524.3	525.3	527.5	530.7
27.5°	574.8	573.4	557.7	535.8	529.5	531.7	534.9	534.4	533.4	535.8
30°	600.3	598.4	577.5	550.3	544.4	546.4	547.4	542.9	535.8	538.0
32.5°	640.8	637.4	608.4	566.5	557.4	559.6	558.4	549.3	538.8	541.0
35°	711.2	702.8	661.9	600.3	572.1	569.7	566.7	557.9	544.9	542.7
37.5°	860.8	846.1	776.2	666.3	605.5	589.5	580.5	571.6	551.5	542.7
40°	1029.5	1014.5	933.8	776.7	660.9	633.9	612.3	587.8	558.4	545.9
42.5°	1205.6	1189.1	1106.2	913.5	740.1	684.7	644.5	600.8	569.7	555.7
45°	1402.2	1381.6	1273.3	1056.2	855.1	769.1	696.2	627.6	589.3	573.1
47.5°	1609.7	1583.0	1439.8	1194.8	979.0	885.8	790.9	675.4	618.2	599.1
50°	1793.6	1767.2	1611.7	1339.7	1094.7	996.9	898.8	741.6	661.6	635.9
52.5°	1925.8	1905.7	1768.1	1489.3	1215.1	1101.1	996.6	818.6	716.6	683.0
55°	2014.3	1996.0	1879.0	1631.0	1355.2	1215.9	1093.0	902.2	782.8	739.4
57.5°	2068.1	2057.5	1959.2	1757.6	1494.0	1341.4	1203.4	994.2	860.8	805.8
60°	2087.2	2078.6	2009.0	1878.2	1661.7	1492.2	1333.1	1097.9	955.4	881.4
62.5°	2036.2	2037.9	2044.8	2021.2	1838.5	1668.8	1488.6	1222.5	1060.4	967.0
65°	1796.1	1810.3	1940.8	2179.6	2072.7	1890.0	1686.5	1374.5	1180.6	1064.3
67.5°	1487.1	1507.7	1670.0	2272.3	2322.4	2177.2	1962.1	1568.3	1323.8	1163.4
70°	1138.4	1160.4	1357.1	2253.0	2556.1	2491.1	2303.0	1814.7	1472.1	1232.1
72.5°	812.5	823.7	978.7	2080.6	2652.0	2704.9	2554.1	2048.2	1547.9	1194.0
75°	570.9	568.9	671.7	1675.4	2502.6	2678.9	2466.1	1921.9	1400.8	948.6
77.5°	248.7	249.2	335.5	1017.5	1997.4	2288.0	2049.9	1203.9	976.5	502.7
80°	64.5	66.5	123.1	405.1	1202.6	1510.1	1250.2	529.2	451.2	122.6
82.5°	22.8	24.3	56.6	127.3	443.6	692.5	556.7	169.2	117.7	35.1
85°	6.6	7.8	30.4	39.0	91.7	195.7	135.1	32.9	28.9	18.1
87.5°	0.0	1.0	6.1	5.4	5.4	3.7	6.9	3.7	4.7	2.2
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°
431.1	0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
434.8	2.5°	433.3	431.6	427.9	424.0	420.3	416.9	415.9	412.2	410.5	410.8
438.2	5°	435.5	432.3	425.2	416.7	407.8	397.8	389.4	377.7	367.6	366.4
444.9	7.5°	441.4	436.3	424.7	408.1	386.0	358.3	332.5	307.0	292.6	284.7
454.7	10°	450.5	443.6	426.0	394.1	347.3	297.7	258.7	226.6	210.2	202.6
466.7	12.5°	461.3	453.7	427.9	370.3	297.2	232.2	190.1	170.4	167.0	166.5
481.4	15°	476.5	468.2	430.1	338.2	243.0	176.8	157.4	157.7	160.4	161.9
497.3	17.5°	493.4	485.1	427.0	298.9	189.6	151.1	150.6	152.8	156.7	158.2
512.0	20°	510.6	502.7	415.7	252.8	153.3	144.0	145.9	148.4	152.3	154.3
526.5	22.5°	528.2	521.4	397.8	203.8	138.3	138.8	141.3	143.7	148.1	150.3
540.7	25°	547.1	541.2	374.0	163.3	131.9	133.4	136.6	139.5	144.2	146.9
552.8	27.5°	566.2	561.8	347.0	136.3	126.1	127.8	131.4	135.4	140.0	143.2
563.3	30°	587.1	584.6	325.4	126.3	120.4	121.9	126.1	130.5	135.6	139.5
573.8	32.5°	608.4	607.9	314.9	133.7	115.3	116.2	119.9	124.3	130.7	135.6
582.7	35°	629.5	630.5	308.7	154.5	113.5	110.8	113.3	117.2	124.8	131.0
592.7	37.5°	656.5	658.9	308.5	177.1	117.7	105.5	107.2	109.9	116.5	123.6
608.4	40°	696.7	709.7	324.2	196.4	125.1	100.5	101.0	101.5	105.0	110.8
629.3	42.5°	750.2	788.2	380.8	209.7	128.0	96.1	94.4	91.7	91.2	94.4
657.7	45°	816.6	883.1	480.4	217.0	125.1	91.2	86.6	79.5	76.8	79.0
696.2	47.5°	894.9	987.1	598.4	218.7	120.2	85.1	76.8	67.4	65.2	66.0
748.0	50°	971.1	1065.0	702.1	204.5	112.1	77.2	66.0	58.1	56.6	56.9
809.0	52.5°	1038.6	1091.8	731.5	170.9	101.3	67.7	56.6	51.3	50.3	50.3
876.5	55°	1083.2	1062.8	652.3	130.7	87.8	57.9	48.6	45.9	45.4	45.1
951.8	57.5°	1092.5	968.7	492.7	94.4	68.7	48.8	43.2	41.7	40.7	39.7
1029.0	60°	1059.2	811.7	313.7	66.0	51.5	41.7	38.3	37.3	35.3	33.4
1101.6	62.5°	987.1	613.1	173.6	45.9	41.4	35.6	33.8	32.6	28.9	25.7
1159.2	65°	890.2	407.6	76.8	35.8	33.8	29.9	28.9	27.2	22.8	19.1
1181.0	67.5°	792.8	234.7	34.6	28.7	27.2	24.5	23.8	22.6	19.4	15.9
1125.4	70°	681.7	118.9	23.8	22.8	21.1	18.6	19.4	19.1	15.9	13.0
917.9	72.5°	507.6	59.1	17.9	17.2	15.2	13.2	15.9	15.7	12.5	9.8
566.0	75°	287.4	29.2	13.0	12.0	9.1	9.8	12.8	12.0	8.6	6.4
238.9	77.5°	114.0	15.0	8.6	7.4	5.4	6.6	9.3	8.1	4.4	2.7
45.6	80°	26.2	7.4	4.4	3.2	2.5	3.9	4.9	2.9	1.2	0.2
12.3	82.5°	7.4	3.2	1.5	1.2	1.2	1.5	1.2	0.5	0.0	0.0
3.2	85°	2.5	1.5	0.5	0.2	0.2	0.2	0.2	0.0	0.0	0.0
1.0	87.5°	1.0	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



<u>180°</u>
431.1
410.5
365.6
284.2
201.1
166.3
161.6
157.9
154.3
150.3
146.9
143.5
140.0
136.1
131.9
124.8
112.8
96.1
79.0
65.7
56.9
50.0
44.6
39.2
32.6
24.8
18.4
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12.5
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