

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: P852072

Luminaire Tested: **GLAN-SB1A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852072  
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-SB1A-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 350mA 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: 2188 lumens  
Efficiency: N/A  
Efficacy: 70.8 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

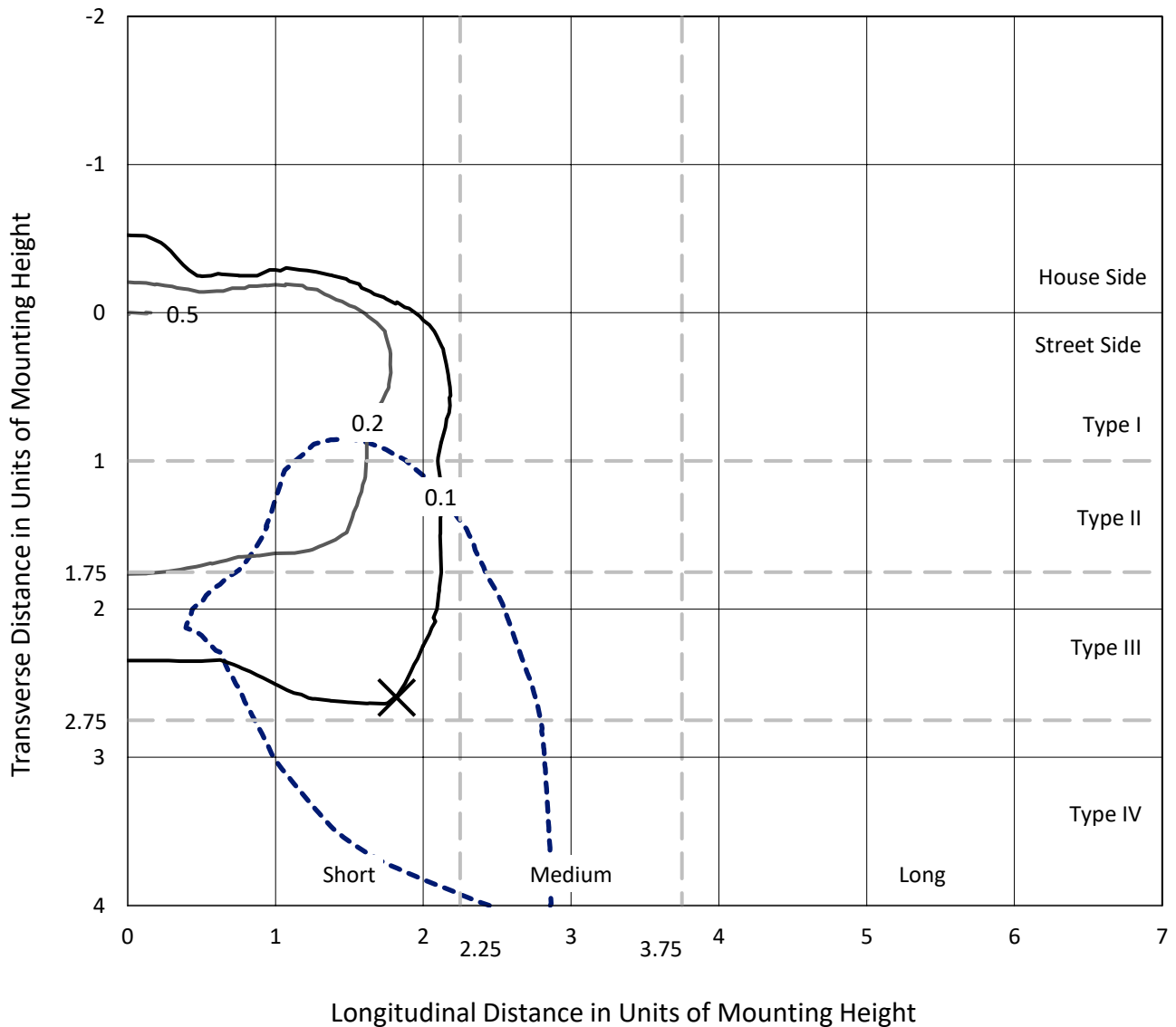
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

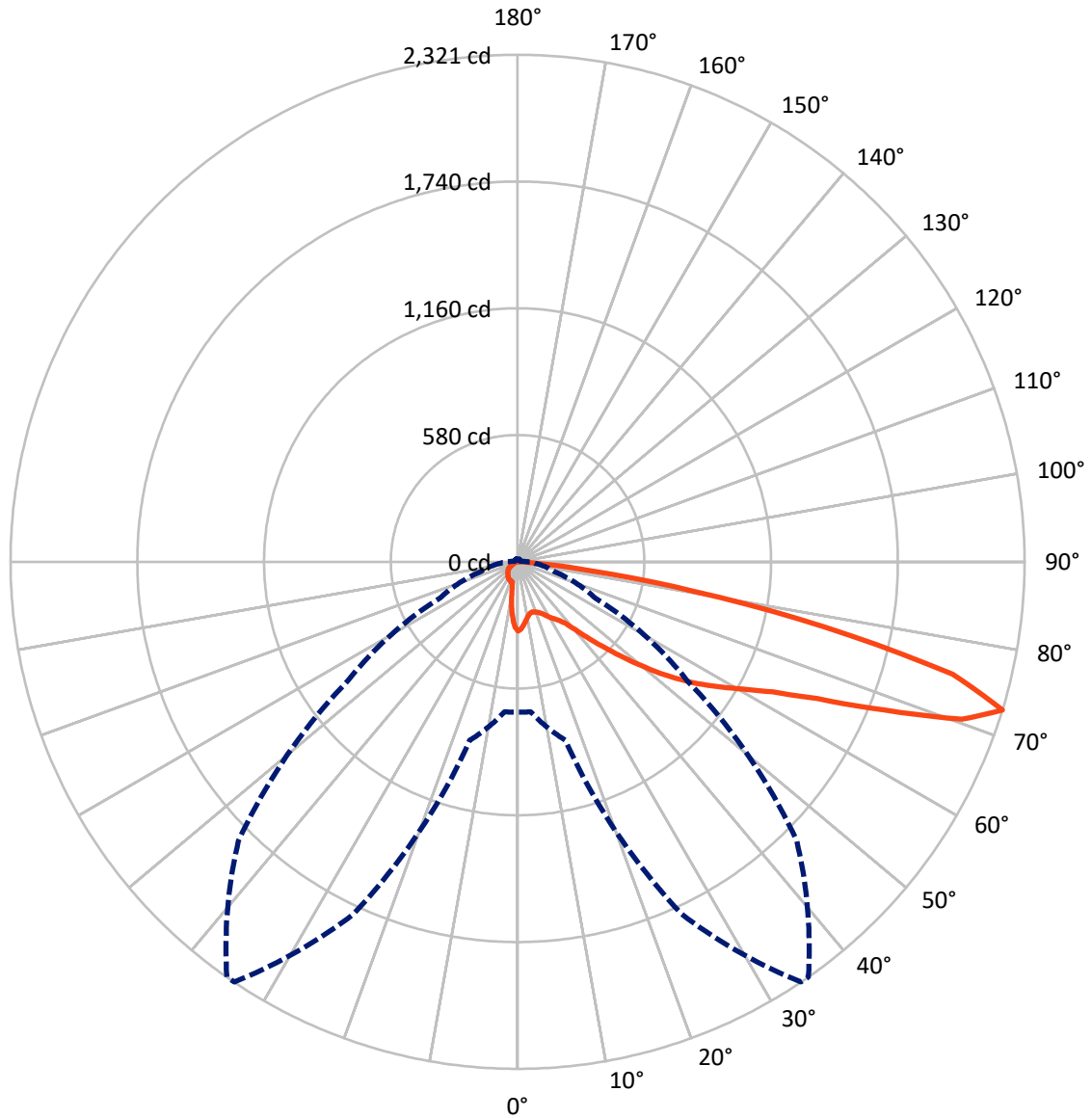
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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
<b>House Side</b>	Lumens	246.2	0.0	246.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	1941.7	0.0	1941.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	2188.0	0.0	2188.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.1	1.2
10°-20°	61.0	2.8
20°-30°	99.0	4.5
30°-40°	165.2	7.6
40°-50°	312.6	14.3
50°-60°	496.7	22.7
60°-70°	614.5	28.1
70°-80°	382.0	17.5
80°-90°	30.9	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°	2188.0	100.0
0°-180°	2188.0	100.0

**Coefficient of Utilization**



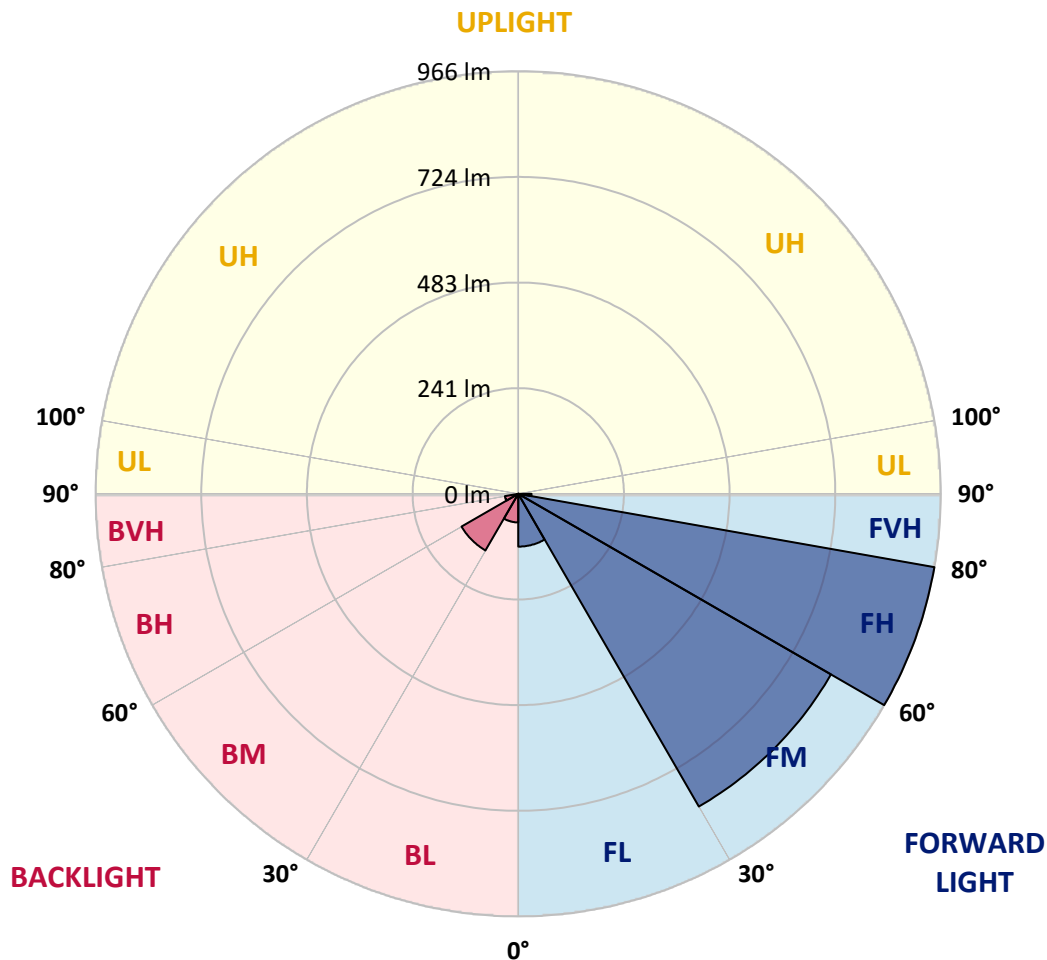
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.6	5.5			
FM (30°-60°)	825.1	37.7			
FH (60°-80°)	965.6	44.1			G1/1800
FVH (80°-90°)	30.4	1.4			G1/100
BL (0°-30°)	65.4	3.0	B0/110		
BM (30°-60°)	149.5	6.8	B0/220		
BH (60°-80°)	30.9	1.4	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°	34°	35°	45°	55°	65°	75°
0°	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1
2.5°	303.0	305.6	306.1	306.9	306.9	307.8	309.4	311.7	315.4	317.3
5°	279.3	281.2	283.6	285.5	289.2	289.7	296.0	302.0	310.5	317.0
7.5°	255.4	257.6	260.8	265.5	270.3	271.7	281.2	291.5	304.9	317.0
10°	238.6	238.7	241.6	246.3	253.9	255.7	267.3	281.8	298.7	315.0
12.5°	229.1	230.2	231.5	235.0	242.4	243.5	255.9	273.0	292.4	313.9
15°	229.1	229.9	230.7	232.5	238.4	239.4	250.3	267.4	289.2	314.4
17.5°	231.5	232.8	232.1	234.2	240.5	241.1	250.7	265.8	289.1	317.4
20°	237.3	238.2	237.0	238.2	244.5	245.8	255.7	268.9	291.8	322.7
22.5°	246.4	246.9	243.8	244.8	251.2	252.8	264.4	277.5	298.4	331.2
25°	258.0	258.9	254.3	255.4	261.5	263.4	276.7	290.5	308.8	342.9
27.5°	271.3	271.7	267.7	267.6	275.4	278.2	291.6	306.5	322.7	357.7
30°	286.5	287.9	284.1	283.4	293.4	295.6	308.9	326.3	343.2	379.8
32.5°	298.5	299.6	297.4	299.0	309.1	310.9	329.9	354.1	375.5	411.2
35°	315.8	316.5	311.3	314.2	325.8	330.3	358.6	393.3	416.0	450.7
37.5°	378.5	378.5	356.7	342.4	353.5	357.5	397.9	442.5	466.1	503.6
40°	465.3	463.8	431.9	402.7	401.3	409.1	453.9	504.5	530.7	567.1
42.5°	557.8	555.5	512.1	483.2	478.4	481.1	518.5	581.0	607.6	644.5
45°	639.8	639.2	599.4	560.6	552.0	560.6	599.1	670.5	689.5	728.3
47.5°	708.6	708.6	679.6	654.3	649.8	654.9	708.3	769.7	767.9	817.6
50°	787.8	787.2	759.6	748.7	753.3	760.6	834.0	874.2	849.1	905.3
52.5°	843.3	847.1	837.7	835.9	859.6	872.1	961.6	976.5	921.7	988.5
55°	887.2	891.7	902.6	915.0	960.6	977.0	1085.2	1073.5	982.4	1060.7
57.5°	949.4	943.0	959.8	984.2	1058.1	1077.8	1205.0	1165.1	1031.3	1119.2
60°	1024.9	1025.9	1028.8	1059.6	1155.4	1180.8	1323.0	1251.6	1062.8	1155.1
62.5°	1115.7	1117.1	1123.0	1170.3	1286.1	1310.0	1448.7	1322.5	1077.2	1145.0
65°	1109.4	1115.5	1181.7	1343.5	1484.7	1508.3	1595.4	1372.2	1055.4	1052.7
67.5°	1010.7	1020.6	1131.4	1550.3	1784.2	1810.5	1772.7	1382.0	961.3	818.6
70°	881.1	884.7	1017.9	1736.3	2131.0	2157.6	1931.4	1274.4	729.5	456.6
72.5°	688.1	688.9	845.2	1779.4	2319.2	2320.6	1806.8	946.1	392.3	175.4
75°	491.5	486.7	566.1	1443.0	2040.4	2056.8	1354.6	443.8	149.9	82.9
77.5°	263.6	268.9	320.3	855.8	1409.5	1437.4	739.1	127.9	76.3	56.4
80°	81.4	85.9	131.3	391.8	798.4	815.2	274.0	56.9	53.2	40.2
82.5°	25.7	26.6	61.2	164.6	331.4	339.1	79.4	32.2	36.4	26.6
85°	7.4	7.5	27.3	61.4	81.9	83.5	22.3	12.5	20.8	16.5
87.5°	0.8	2.6	10.3	10.3	7.2	7.1	2.4	2.7	5.9	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852072  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
317.1	0°	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1
318.6	2.5°	317.8	317.9	315.8	312.3	308.5	305.3	301.2	298.0	295.8	295.2
321.4	5°	320.0	318.9	312.9	302.2	289.4	278.3	266.0	256.2	249.8	247.1
324.5	7.5°	323.4	320.2	307.2	286.0	261.5	239.7	217.6	200.4	189.5	184.0
327.4	10°	326.3	319.8	297.6	262.6	225.1	192.1	162.2	141.6	130.0	124.6
330.7	12.5°	329.0	319.7	285.1	234.9	184.0	143.6	115.9	105.7	102.4	101.3
336.2	15°	334.1	320.2	269.3	203.1	143.2	108.5	98.4	98.3	98.9	98.6
344.5	17.5°	341.2	320.6	251.5	169.5	110.5	95.7	95.2	96.7	97.6	97.2
355.0	20°	350.3	322.6	232.6	136.1	94.9	92.5	93.6	94.9	95.7	94.9
368.9	22.5°	363.1	325.9	211.9	109.3	89.9	90.6	91.5	93.0	93.8	92.7
386.7	25°	378.8	331.2	191.6	95.1	87.5	88.3	89.8	91.4	92.3	91.2
409.1	27.5°	399.2	339.7	172.8	91.9	85.1	85.6	87.7	90.1	91.4	89.9
441.0	30°	428.7	353.7	156.6	93.3	83.7	82.6	85.5	88.8	90.3	89.0
484.5	32.5°	467.8	373.4	146.7	95.6	83.0	79.0	81.8	86.1	88.5	87.7
541.2	35°	519.1	403.4	142.8	98.1	82.6	75.4	77.3	81.9	86.1	86.9
612.7	37.5°	581.3	445.1	144.0	99.2	81.1	72.3	73.3	77.3	82.7	85.3
693.2	40°	652.0	493.6	150.4	98.1	79.5	69.7	69.9	72.9	77.8	81.6
779.8	42.5°	725.0	550.4	162.2	93.9	78.1	67.5	67.0	69.1	72.3	75.0
866.2	45°	794.4	608.7	173.9	88.2	76.3	65.3	64.1	64.9	65.6	66.7
950.4	47.5°	855.0	649.8	170.6	82.9	73.9	62.7	60.8	60.4	58.5	58.4
1025.6	50°	896.8	658.8	151.5	77.6	70.4	59.8	56.8	54.8	51.5	49.9
1081.8	52.5°	910.1	623.3	123.8	72.3	64.6	56.0	51.6	48.6	44.4	43.0
1114.2	55°	892.5	553.9	98.9	65.9	56.6	50.8	46.0	42.0	38.6	36.9
1117.8	57.5°	849.4	465.6	78.2	58.4	48.1	45.1	40.2	36.2	33.3	31.6
1078.6	60°	777.9	369.7	61.9	49.4	41.0	38.8	33.8	31.3	28.7	26.6
977.6	62.5°	669.3	263.9	48.6	39.1	34.3	31.7	28.9	26.9	23.9	21.0
796.0	65°	522.3	161.4	37.5	28.7	27.6	26.3	24.5	22.8	19.1	16.2
519.3	67.5°	329.5	76.5	26.8	21.6	21.8	21.2	20.4	18.9	16.2	13.6
232.6	70°	145.1	37.0	17.6	16.5	16.2	16.2	16.8	16.4	13.8	11.4
80.8	72.5°	49.4	19.9	13.1	12.5	11.7	11.5	14.1	13.6	11.1	8.8
40.2	75°	25.8	13.3	9.6	9.0	7.1	8.5	11.2	10.6	7.9	5.8
26.6	77.5°	16.8	9.5	6.6	5.8	4.0	5.6	8.3	7.4	4.6	2.9
17.5	80°	10.6	6.3	3.8	2.7	1.9	3.0	4.5	3.2	1.8	0.6
10.3	82.5°	5.6	3.2	1.4	1.0	0.8	1.0	1.1	0.8	0.3	0.0
5.3	85°	2.2	1.1	0.5	0.3	0.2	0.0	0.3	0.2	0.0	0.0
1.0	87.5°	0.8	0.2	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°
317.1
296.3
248.0
184.8
124.7
101.0
98.4
97.0
94.7
92.5
91.1
89.9
88.8
87.7
86.9
85.9
82.9
76.2
67.3
58.2
50.0
42.8
36.9
31.3
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