

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: P852140

Luminaire Tested: **GLAN-SB1C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852140  
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-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

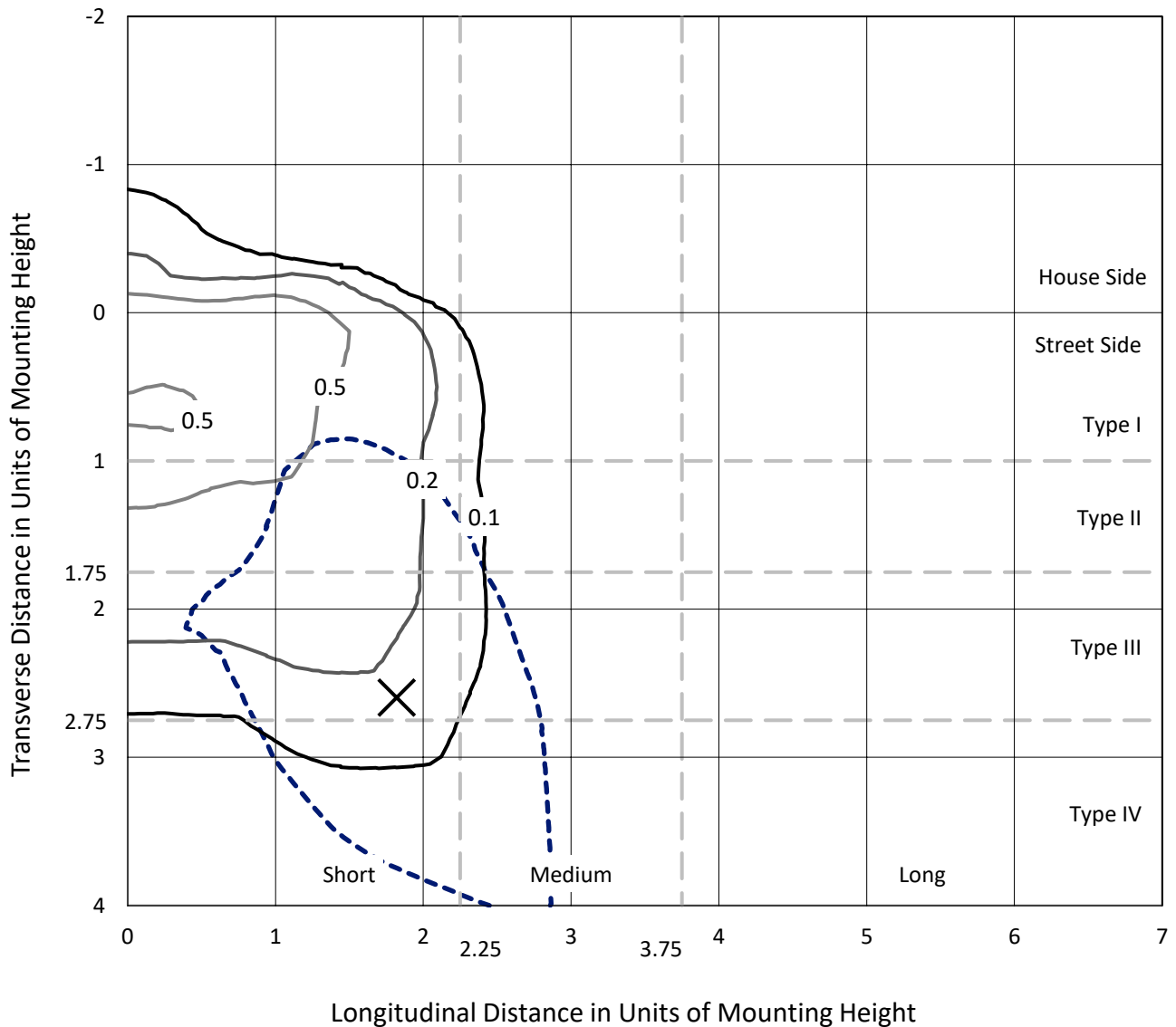
Lumens per Lamp: N/A  
Luminaire Lumens: 3653 lumens  
Efficiency: N/A  
Efficacy: 67.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

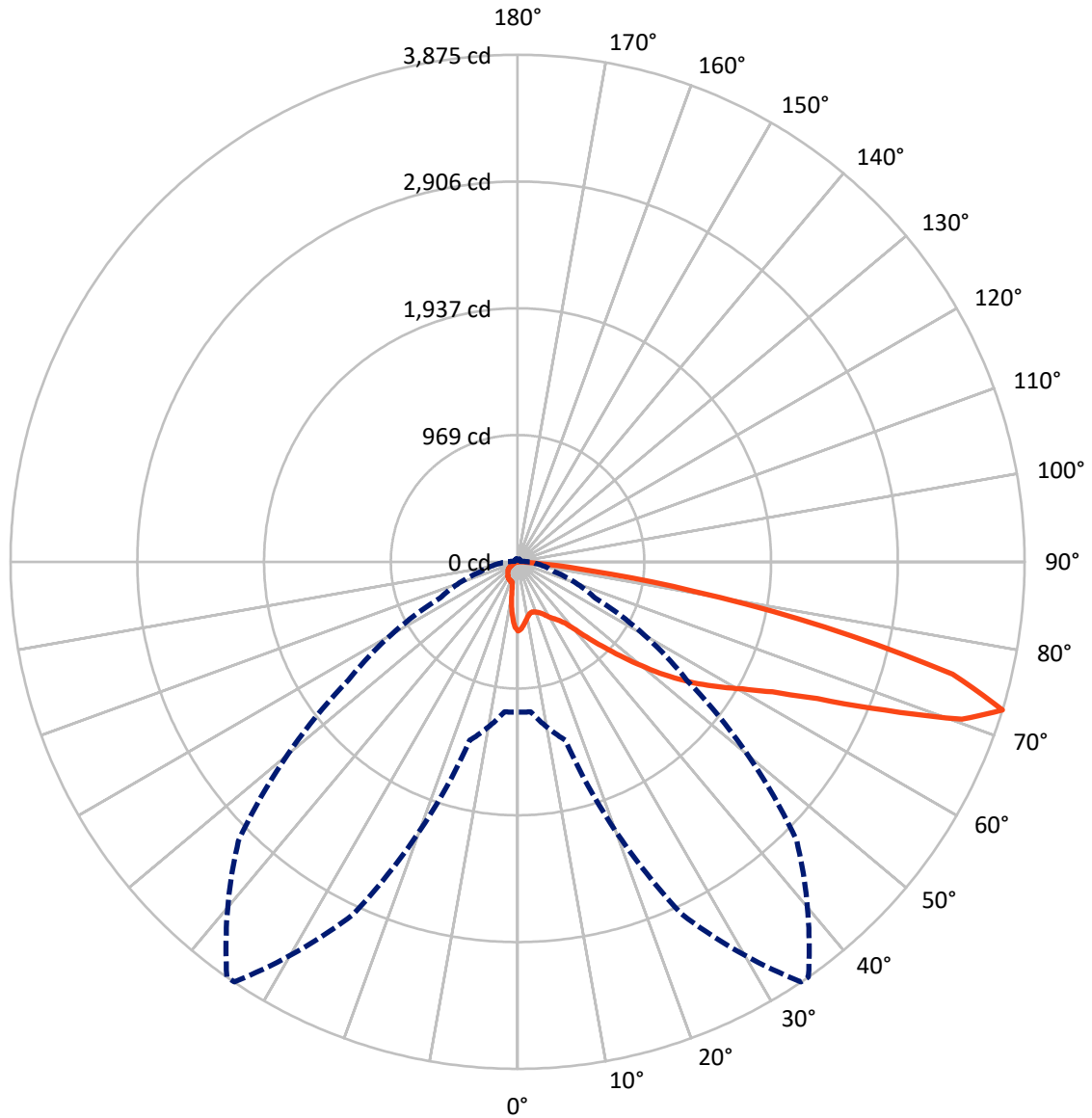
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	411.1	0.0	411.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	3241.9	0.0	3241.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	3653.0	0.0	3653.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.5	1.2
10°-20°	101.8	2.8
20°-30°	165.3	4.5
30°-40°	275.9	7.6
40°-50°	521.9	14.3
50°-60°	829.3	22.7
60°-70°	1026.0	28.1
70°-80°	637.7	17.5
80°-90°	51.5	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°	3653.0	100.0
0°-180°	3653.0	100.0

**Coefficient of Utilization**



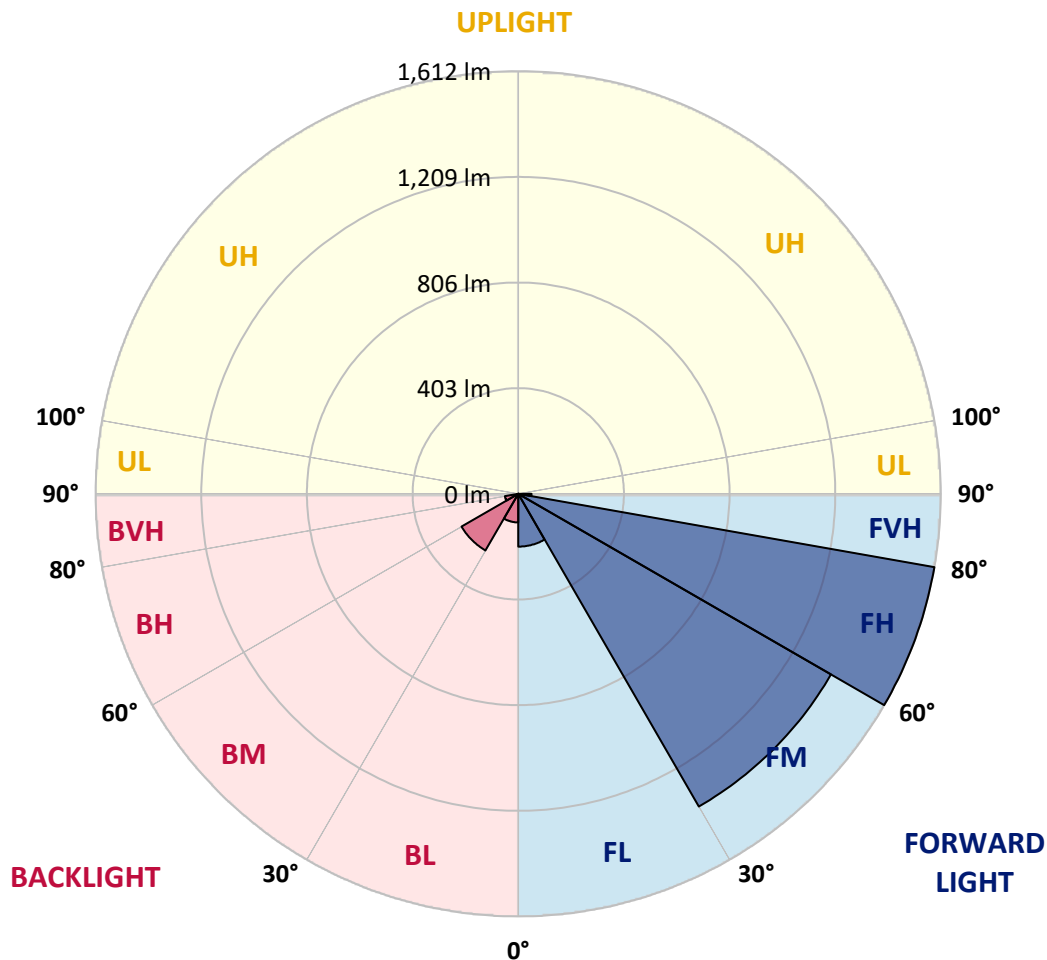
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.4	5.5			
FM (30°-60°)	1377.6	37.7			
FH (60°-80°)	1612.1	44.1			G1/1800
FVH (80°-90°)	50.8	1.4			G1/100
BL (0°-30°)	109.2	3.0	B0/110		
BM (30°-60°)	249.6	6.8	B1/1000		
BH (60°-80°)	51.6	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°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4
2.5°	505.9	510.2	511.0	512.3	512.3	513.9	516.6	520.3	526.5	529.7
5°	466.3	469.5	473.5	476.7	482.9	483.7	494.1	504.3	518.5	529.2
7.5°	426.4	430.1	435.5	443.3	451.3	453.7	469.5	486.6	509.1	529.2
10°	398.3	398.6	403.4	411.1	424.0	426.9	446.2	470.6	498.7	526.0
12.5°	382.5	384.4	386.5	392.4	404.7	406.6	427.2	455.8	488.2	524.1
15°	382.5	383.8	385.2	388.1	398.0	399.6	417.8	446.5	482.9	524.9
17.5°	386.5	388.7	387.6	391.1	401.5	402.6	418.6	443.8	482.6	530.0
20°	396.1	397.8	395.6	397.8	408.2	410.3	426.9	448.9	487.2	538.8
22.5°	411.4	412.2	407.1	408.7	419.4	422.1	441.4	463.3	498.1	553.0
25°	430.7	432.3	424.5	426.4	436.6	439.8	462.0	485.0	515.5	572.5
27.5°	452.9	453.7	447.0	446.7	459.8	464.4	486.9	511.8	538.8	597.2
30°	478.3	480.7	474.3	473.2	489.8	493.6	515.8	544.7	573.1	634.1
32.5°	498.4	500.3	496.5	499.2	516.1	519.0	550.9	591.3	626.9	686.6
35°	527.3	528.4	519.8	524.6	543.9	551.4	598.8	656.6	694.6	752.4
37.5°	632.0	632.0	595.6	571.7	590.2	596.9	664.3	738.8	778.1	840.7
40°	776.8	774.4	721.1	672.4	670.0	683.1	757.8	842.3	886.0	946.7
42.5°	931.2	927.5	854.9	806.7	798.7	803.3	865.6	970.0	1014.5	1076.0
45°	1068.3	1067.2	1000.8	936.0	921.6	936.0	1000.3	1119.4	1151.2	1216.0
47.5°	1183.1	1183.1	1134.6	1092.3	1084.8	1093.4	1182.5	1285.1	1282.1	1365.1
50°	1315.3	1314.2	1268.2	1250.0	1257.8	1269.8	1392.4	1459.6	1417.6	1511.5
52.5°	1407.9	1414.3	1398.6	1395.6	1435.2	1456.1	1605.5	1630.4	1538.8	1650.4
55°	1481.3	1488.8	1507.0	1527.6	1603.9	1631.2	1811.8	1792.3	1640.3	1770.9
57.5°	1585.1	1574.4	1602.5	1643.2	1766.6	1799.5	2011.8	1945.1	1721.9	1868.6
60°	1711.2	1712.8	1717.6	1769.0	1929.1	1971.4	2208.8	2089.7	1774.4	1928.5
62.5°	1862.7	1865.1	1875.0	1954.0	2147.2	2187.1	2418.6	2208.0	1798.4	1911.7
65°	1852.2	1862.4	1973.0	2243.0	2478.8	2518.2	2663.5	2290.9	1762.0	1757.5
67.5°	1687.4	1704.0	1888.9	2588.3	2978.8	3022.7	2959.6	2307.3	1604.9	1366.7
70°	1471.1	1477.0	1699.4	2898.8	3557.8	3602.2	3224.6	2127.7	1217.9	762.3
72.5°	1148.8	1150.2	1411.1	2970.8	3872.0	3874.5	3016.6	1579.5	655.0	292.8
75°	820.7	812.6	945.1	2409.3	3406.6	3433.9	2261.5	740.9	250.3	138.4
77.5°	440.0	448.9	534.8	1428.8	2353.3	2399.9	1233.9	213.6	127.4	94.2
80°	136.0	143.5	219.2	654.2	1333.0	1361.1	457.4	95.0	88.9	67.2
82.5°	42.8	44.4	102.2	274.9	553.3	566.1	132.5	53.8	60.8	44.4
85°	12.3	12.6	45.5	102.5	136.8	139.5	37.2	20.9	34.8	27.6
87.5°	1.3	4.3	17.1	17.1	12.0	11.8	4.0	4.6	9.9	3.5
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°
529.4	0°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4
531.9	2.5°	530.5	530.8	527.3	521.4	515.0	509.6	502.9	497.6	493.8	492.8
536.7	5°	534.3	532.4	522.5	504.5	483.1	464.7	444.1	427.7	417.0	412.5
541.8	7.5°	539.9	534.5	512.8	477.5	436.6	400.2	363.2	334.6	316.4	307.3
546.6	10°	544.7	534.0	496.8	438.4	375.8	320.7	270.9	236.3	217.1	208.0
552.2	12.5°	549.2	533.7	475.9	392.1	307.3	239.8	193.5	176.4	171.0	169.2
561.3	15°	557.8	534.5	449.7	339.1	239.0	181.2	164.3	164.1	165.1	164.6
575.2	17.5°	569.6	535.3	420.0	282.9	184.4	159.8	159.0	161.4	163.0	162.2
592.6	20°	584.8	538.5	388.4	227.2	158.5	154.4	156.3	158.5	159.8	158.5
615.9	22.5°	606.3	544.2	353.9	182.5	150.2	151.2	152.8	155.2	156.6	154.7
645.6	25°	632.5	553.0	319.9	158.7	146.1	147.5	149.9	152.6	154.2	152.3
683.1	27.5°	666.5	567.2	288.5	153.4	142.1	142.9	146.4	150.4	152.6	150.2
736.3	30°	715.7	590.5	261.5	155.8	139.7	137.8	142.7	148.3	150.7	148.6
808.9	32.5°	781.0	623.4	244.9	159.5	138.7	132.0	136.5	143.7	147.8	146.4
903.6	35°	866.7	673.4	238.5	163.8	137.8	125.8	129.0	136.8	143.7	145.1
1023.0	37.5°	970.6	743.0	240.4	165.7	135.4	120.7	122.3	129.0	138.1	142.4
1157.4	40°	1088.6	824.1	251.1	163.8	132.8	116.4	116.7	121.8	129.8	136.2
1301.9	42.5°	1210.4	918.9	270.9	156.9	130.4	112.7	111.9	115.4	120.7	125.3
1446.2	45°	1326.3	1016.3	290.4	147.2	127.4	108.9	107.1	108.4	109.5	111.3
1586.7	47.5°	1427.5	1084.8	284.8	138.4	123.4	104.7	101.4	100.9	97.7	97.4
1712.3	50°	1497.3	1099.8	252.9	129.6	117.5	99.8	94.8	91.5	85.9	83.2
1806.2	52.5°	1519.5	1040.7	206.6	120.7	107.9	93.4	86.2	81.1	74.1	71.7
1860.3	55°	1490.1	924.8	165.1	110.0	94.5	84.8	76.8	70.1	64.5	61.6
1866.2	57.5°	1418.1	777.3	130.6	97.4	80.3	75.2	67.2	60.5	55.7	52.7
1800.9	60°	1298.7	617.2	103.3	82.4	68.5	64.8	56.5	52.2	47.9	44.4
1632.2	62.5°	1117.5	440.6	81.1	65.3	57.3	53.0	48.2	45.0	39.9	35.1
1329.0	65°	872.1	269.5	62.6	47.9	46.0	43.9	41.0	38.0	31.9	27.0
867.0	67.5°	550.1	127.7	44.7	36.1	36.4	35.3	34.0	31.6	27.0	22.8
388.4	70°	242.2	61.8	29.4	27.6	27.0	27.0	28.1	27.3	23.0	19.0
134.9	72.5°	82.4	33.2	21.9	20.9	19.5	19.3	23.6	22.8	18.5	14.7
67.2	75°	43.1	22.2	16.1	15.0	11.8	14.2	18.7	17.7	13.1	9.6
44.4	77.5°	28.1	15.8	11.0	9.6	6.7	9.4	13.9	12.3	7.8	4.8
29.2	80°	17.7	10.4	6.4	4.6	3.2	5.1	7.5	5.4	2.9	1.1
17.1	82.5°	9.4	5.4	2.4	1.6	1.3	1.6	1.9	1.3	0.5	0.0
8.8	85°	3.7	1.9	0.8	0.5	0.3	0.0	0.5	0.3	0.0	0.0
1.6	87.5°	1.3	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



180°
529.4
494.6
414.1
308.6
208.2
168.6
164.3
161.9
158.2
154.4
152.0
150.2
148.3
146.4
145.1
143.5
138.4
127.1
112.4
97.2
83.5
71.5
61.6
52.2
43.6
34.3
26.2
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