

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: P845818

Luminaire Tested: **GLAN-SB1A-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2892 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

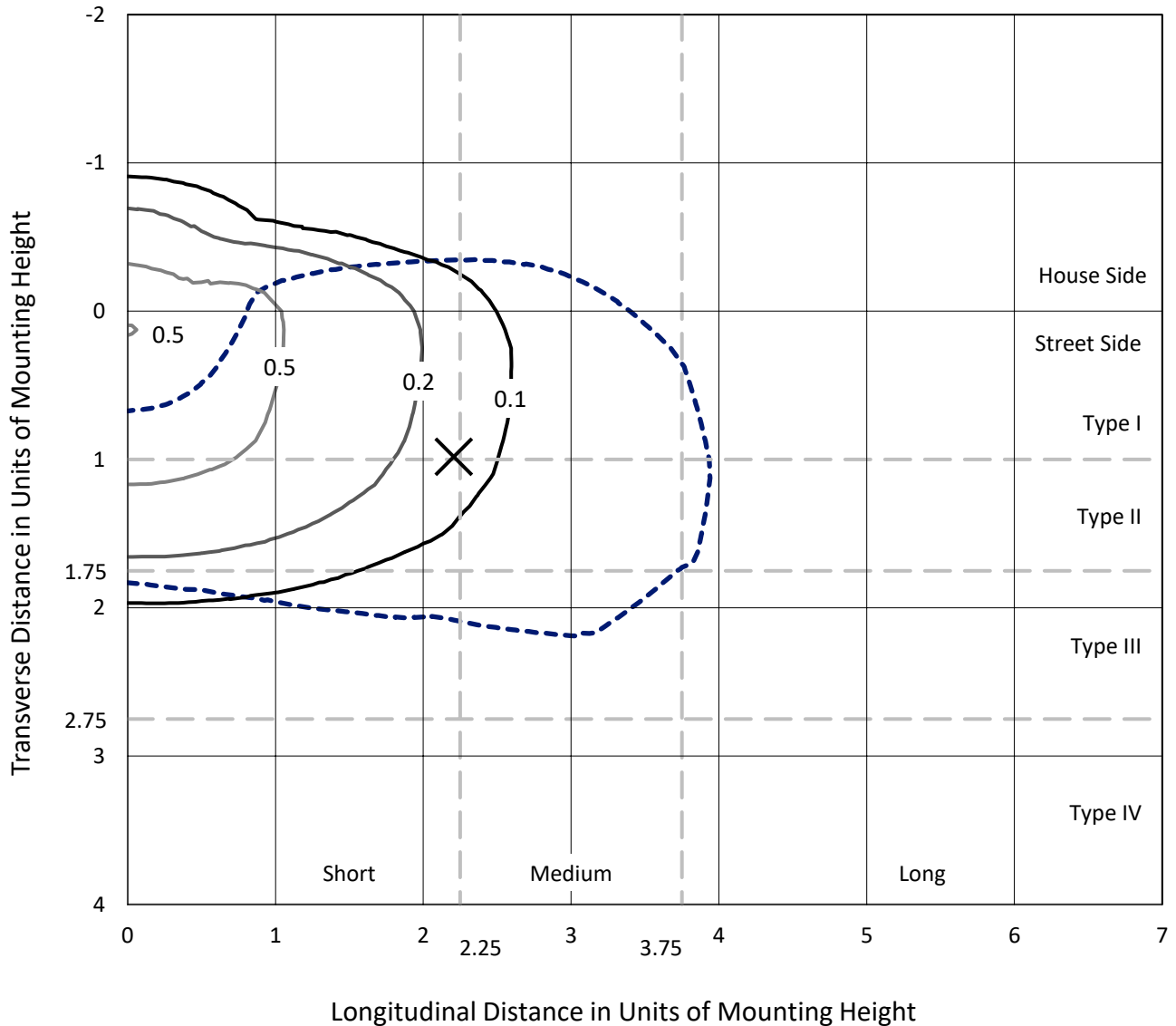
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

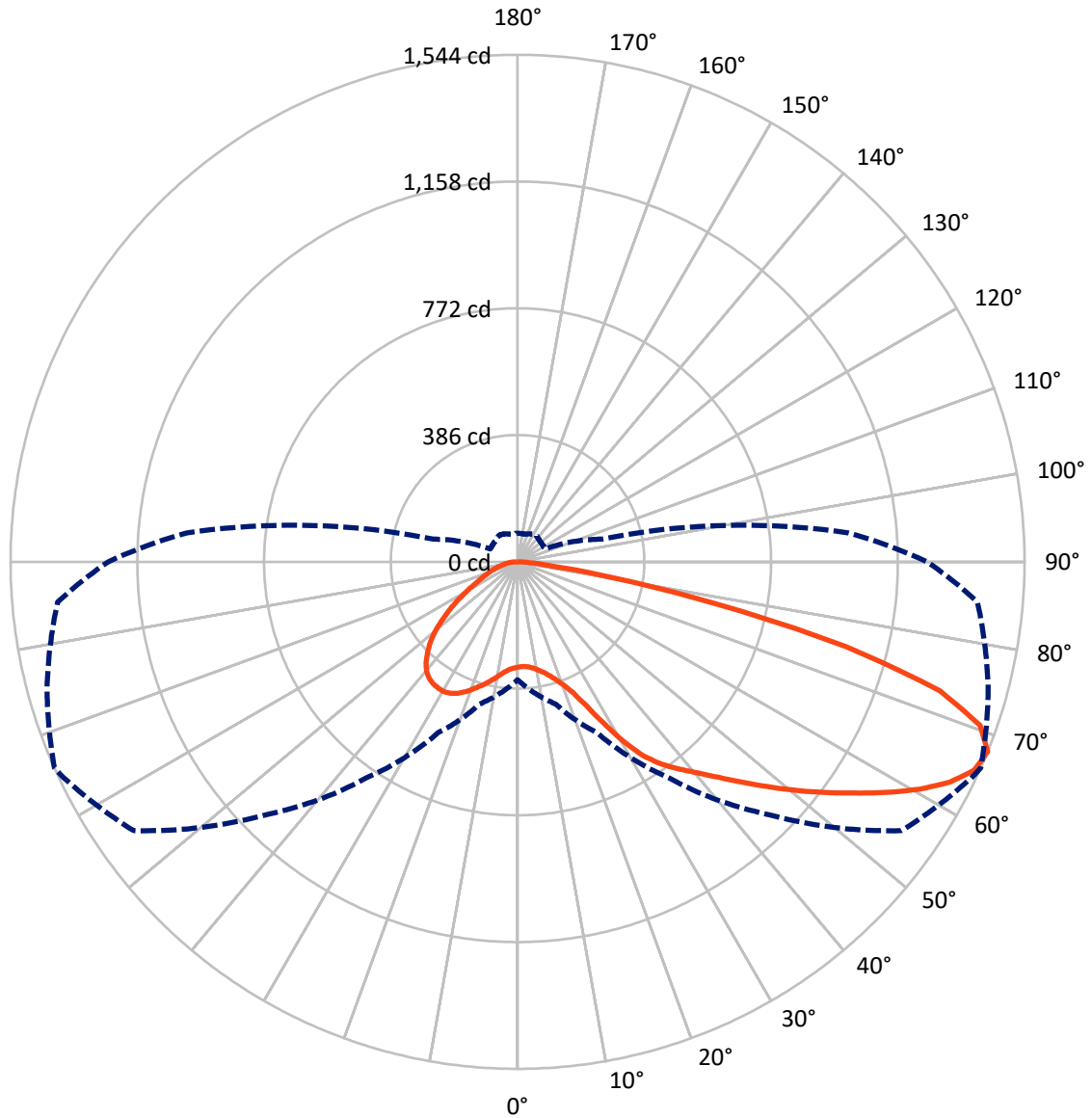
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	719.1	0.0	719.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	2172.9	0.0	2172.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	2892.0	0.0	2892.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.8	1.1
10°-20°	105.1	3.6
20°-30°	202.5	7.0
30°-40°	355.1	12.3
40°-50°	527.9	18.3
50°-60°	669.2	23.1
60°-70°	654.8	22.6
70°-80°	312.3	10.8
80°-90°	33.4	1.2
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°	2892.0	100.0
0°-180°	2892.0	100.0

**Coefficient of Utilization**



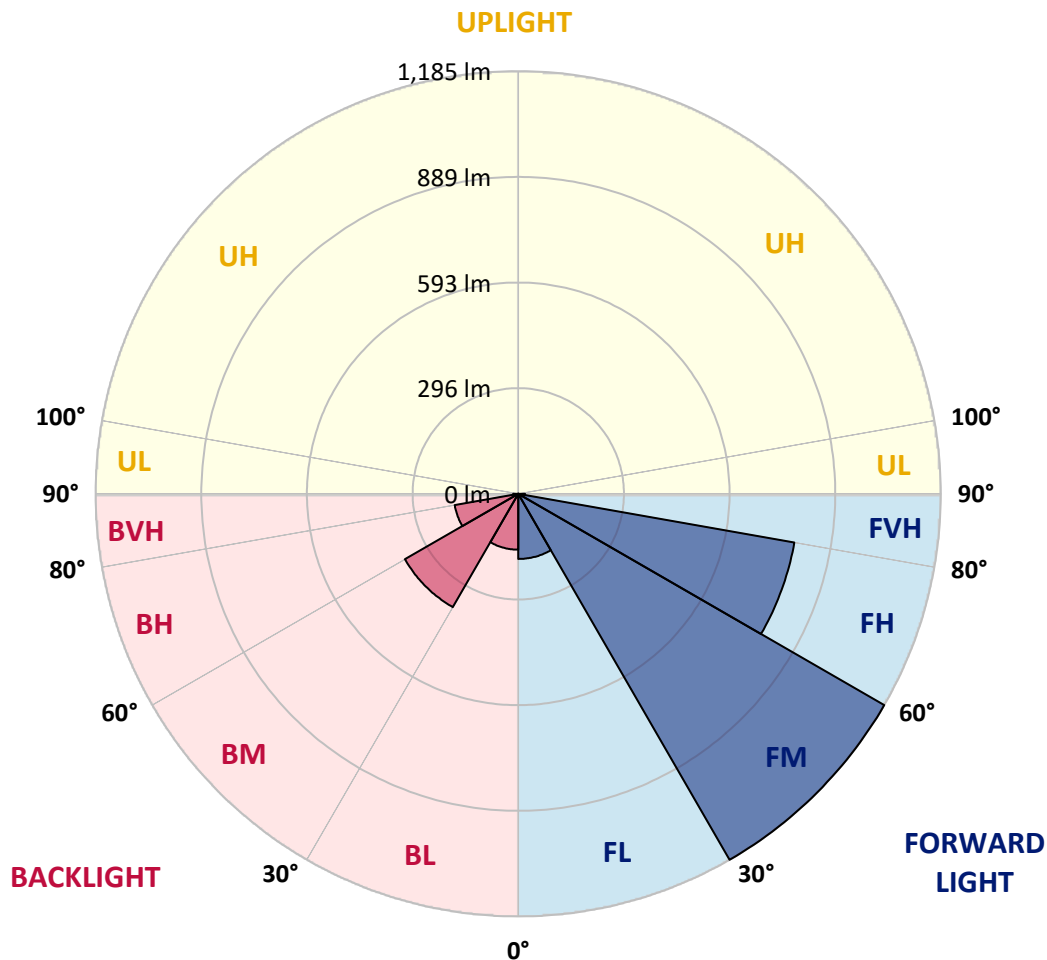
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.7	6.3			
FM (30°-60°)	1185.1	41.0			
FH (60°-80°)	786.1	27.2			G1/1800
FVH (80°-90°)	18.9	0.7			G1/100
BL (0°-30°)	156.6	5.4	B1/500		
BM (30°-60°)	367.0	12.7	B1/1000		
BH (60°-80°)	181.0	6.3	B1/500		G1/500
BVH (80°-90°)	14.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	320.8	320.8	320.8	320.8	320.8	320.8	320.8	320.8	320.8	320.8
2.5°	317.4	319.2	318.8	318.0	317.9	318.2	318.6	319.1	318.9	319.7
5°	316.5	318.3	318.2	318.2	318.8	320.0	320.8	321.5	320.8	321.7
7.5°	317.1	318.5	319.1	319.7	321.2	323.5	325.3	327.0	326.1	327.1
10°	324.9	325.9	326.5	326.5	327.6	330.2	332.0	335.0	334.3	336.0
12.5°	339.0	340.1	340.1	339.5	340.2	341.9	342.5	345.8	344.5	347.2
15°	356.3	358.4	356.8	355.7	356.0	357.7	357.5	360.1	358.7	361.0
17.5°	375.5	378.2	375.5	375.3	374.7	376.5	376.7	379.0	376.5	378.2
20°	398.1	401.9	399.6	400.4	399.0	399.8	400.5	403.9	400.1	401.3
22.5°	430.0	434.6	432.1	435.0	434.1	433.5	433.4	439.3	433.4	433.8
25°	476.5	482.0	477.7	481.7	481.7	483.6	485.9	493.5	483.6	480.8
27.5°	545.2	550.7	542.3	544.7	544.0	548.8	546.4	565.2	554.6	549.9
30°	627.8	637.6	621.8	621.2	620.4	628.2	631.6	644.1	633.3	628.6
32.5°	717.2	727.4	708.5	703.1	700.2	704.9	702.0	712.0	704.6	697.3
35°	811.7	821.7	803.8	793.2	781.6	771.7	761.4	764.0	757.0	745.9
37.5°	901.0	919.4	900.4	889.0	867.8	848.5	819.6	807.6	801.1	790.9
40°	992.1	1002.5	988.1	978.4	955.3	925.1	878.9	853.5	844.7	834.8
42.5°	1059.1	1069.1	1061.4	1054.7	1036.6	1001.5	941.8	910.0	897.2	886.2
45°	1112.3	1119.7	1114.8	1117.3	1109.5	1075.5	1007.0	970.6	957.4	943.9
47.5°	1133.7	1141.6	1149.3	1163.8	1177.0	1151.9	1077.0	1036.3	1022.3	1008.5
50°	1131.2	1139.3	1161.8	1192.5	1233.5	1225.2	1150.8	1106.2	1093.3	1077.5
52.5°	1111.8	1120.9	1149.8	1200.8	1266.2	1280.0	1226.1	1178.4	1166.2	1147.4
55°	1060.7	1066.2	1109.5	1181.8	1273.9	1318.3	1299.8	1255.2	1243.1	1216.8
57.5°	966.1	974.0	1037.0	1130.6	1254.5	1344.3	1364.5	1336.1	1324.4	1286.5
60°	842.5	855.2	927.3	1044.6	1204.9	1344.1	1423.3	1415.5	1405.8	1355.2
62.5°	702.8	717.3	786.8	923.1	1118.3	1306.0	1460.1	1482.1	1477.1	1418.6
65°	539.7	549.7	618.9	765.8	983.6	1224.1	1464.3	1527.5	1528.4	1466.7
67.5°	359.4	388.2	448.2	574.7	803.0	1090.2	1426.9	1535.0	1543.8	1483.3
70°	175.3	213.3	272.1	373.5	574.7	884.9	1329.2	1473.9	1493.5	1435.0
72.5°	72.8	85.1	117.2	184.3	329.9	597.2	1132.9	1308.3	1344.6	1271.5
75°	49.1	53.2	67.0	94.5	150.3	294.5	817.0	975.5	1034.0	960.3
77.5°	37.8	40.4	48.8	66.1	89.3	111.4	437.3	587.9	618.1	572.2
80°	29.8	31.8	36.5	48.2	63.4	59.6	149.1	266.4	283.8	238.1
82.5°	25.8	26.6	26.1	32.7	42.1	34.8	48.9	98.3	108.5	78.7
85°	18.7	20.8	21.7	20.2	22.3	17.6	20.1	34.8	38.3	34.2
87.5°	7.6	11.2	13.8	13.1	8.2	5.0	6.2	10.2	11.7	12.8
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°
320.8	0°	320.8	320.8	320.8	320.8	320.8	320.8	320.8	320.8	320.8	320.8
320.9	2.5°	321.1	322.1	322.9	323.8	324.4	325.3	327.1	328.2	328.4	329.1
323.3	5°	324.0	325.5	327.1	329.6	332.3	334.6	338.1	340.5	341.4	342.2
329.3	7.5°	330.2	332.3	335.3	339.6	343.6	346.6	350.8	353.7	356.6	357.7
338.7	10°	339.5	342.5	346.9	352.7	356.9	360.9	365.3	367.7	370.6	371.8
349.9	12.5°	351.0	354.2	360.0	368.0	372.0	374.7	376.2	375.6	376.2	377.3
363.5	15°	364.2	367.7	374.2	382.9	385.6	383.2	379.9	376.8	376.4	376.7
379.9	17.5°	379.9	382.5	390.0	397.3	395.4	385.3	378.0	373.2	370.8	370.0
400.8	20°	401.7	401.7	408.0	412.5	399.3	382.3	370.9	363.0	358.0	355.9
429.4	22.5°	428.3	425.9	429.9	426.7	398.6	373.8	358.0	344.3	336.7	333.7
469.4	25°	462.1	459.2	458.1	438.4	393.1	360.3	334.6	318.0	311.3	309.7
527.0	27.5°	513.0	505.7	491.9	444.8	383.1	339.0	307.2	291.9	288.1	288.2
601.0	30°	580.7	566.2	532.3	445.8	366.6	308.9	279.3	268.3	266.5	267.3
663.1	32.5°	643.5	629.7	573.6	441.0	341.4	279.4	254.2	246.9	244.2	245.1
710.5	35°	692.7	688.9	611.9	434.1	310.4	251.8	231.7	225.5	220.2	219.0
755.2	37.5°	739.2	737.7	640.6	424.5	279.7	232.2	213.6	205.4	197.7	193.4
804.6	40°	790.3	788.8	659.5	409.8	252.5	215.2	197.4	186.6	177.0	169.3
860.5	42.5°	847.7	838.7	668.4	388.7	229.4	200.7	184.2	169.6	157.0	149.8
923.7	45°	910.5	890.3	668.3	361.8	210.0	187.5	170.0	149.4	137.7	131.0
988.6	47.5°	977.0	939.5	660.1	332.0	191.1	172.9	148.1	132.3	124.6	120.5
1059.1	50°	1045.7	985.5	646.1	297.8	171.9	156.4	134.5	123.7	117.8	114.0
1129.0	52.5°	1110.3	1027.3	629.2	259.1	152.3	140.2	128.4	120.0	113.8	109.6
1196.7	55°	1170.3	1063.3	605.4	219.4	136.3	129.5	125.5	118.5	111.4	106.4
1265.6	57.5°	1223.6	1086.7	564.2	182.2	124.9	122.0	122.5	115.9	107.7	103.5
1333.3	60°	1268.0	1103.9	503.2	147.7	115.6	114.7	117.8	111.1	101.5	96.6
1390.6	62.5°	1294.6	1103.6	428.5	121.0	107.7	108.0	111.5	105.0	95.3	90.7
1420.6	65°	1292.3	1076.5	346.4	103.5	100.1	100.4	105.0	98.3	90.1	87.4
1405.5	67.5°	1246.6	1010.6	265.8	92.1	91.8	93.1	98.5	93.8	86.9	86.6
1315.9	70°	1122.7	873.7	191.5	83.0	83.1	85.1	92.1	90.9	85.2	85.9
1106.3	72.5°	900.3	666.1	128.5	73.4	73.5	76.7	86.0	88.6	83.6	91.6
785.0	75°	599.6	415.4	82.7	63.2	63.4	67.5	80.7	84.2	79.0	91.3
408.4	77.5°	288.1	186.7	59.9	53.2	53.2	57.0	69.7	75.4	67.3	71.0
131.3	80°	99.5	70.2	47.1	42.8	41.9	44.5	58.8	65.3	58.0	53.5
42.8	82.5°	39.2	36.5	37.8	33.3	30.2	31.9	45.7	53.9	42.7	38.6
24.2	85°	22.5	23.7	26.7	22.0	17.5	19.6	33.6	38.7	32.2	28.4
7.9	87.5°	6.1	8.4	12.3	11.4	7.9	8.4	16.0	21.4	18.5	14.3
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>
320.8
329.0
342.0
357.8
372.4
377.6
377.7
371.1
355.4
333.2
310.0
288.7
269.9
246.3
219.9
193.6
170.0
150.3
130.7
119.6
112.6
107.7
104.4
100.7
94.5
89.3
87.2
<b>87.1</b>
85.7
92.8
92.1
65.0
50.1
38.4
29.0
14.7
0.0

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