

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: P845712

Luminaire Tested: **GLAN-SB1A-730-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845712
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-SB1A-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA 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: 3026 lumens
Efficiency: N/A
Efficacy: 97.9 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

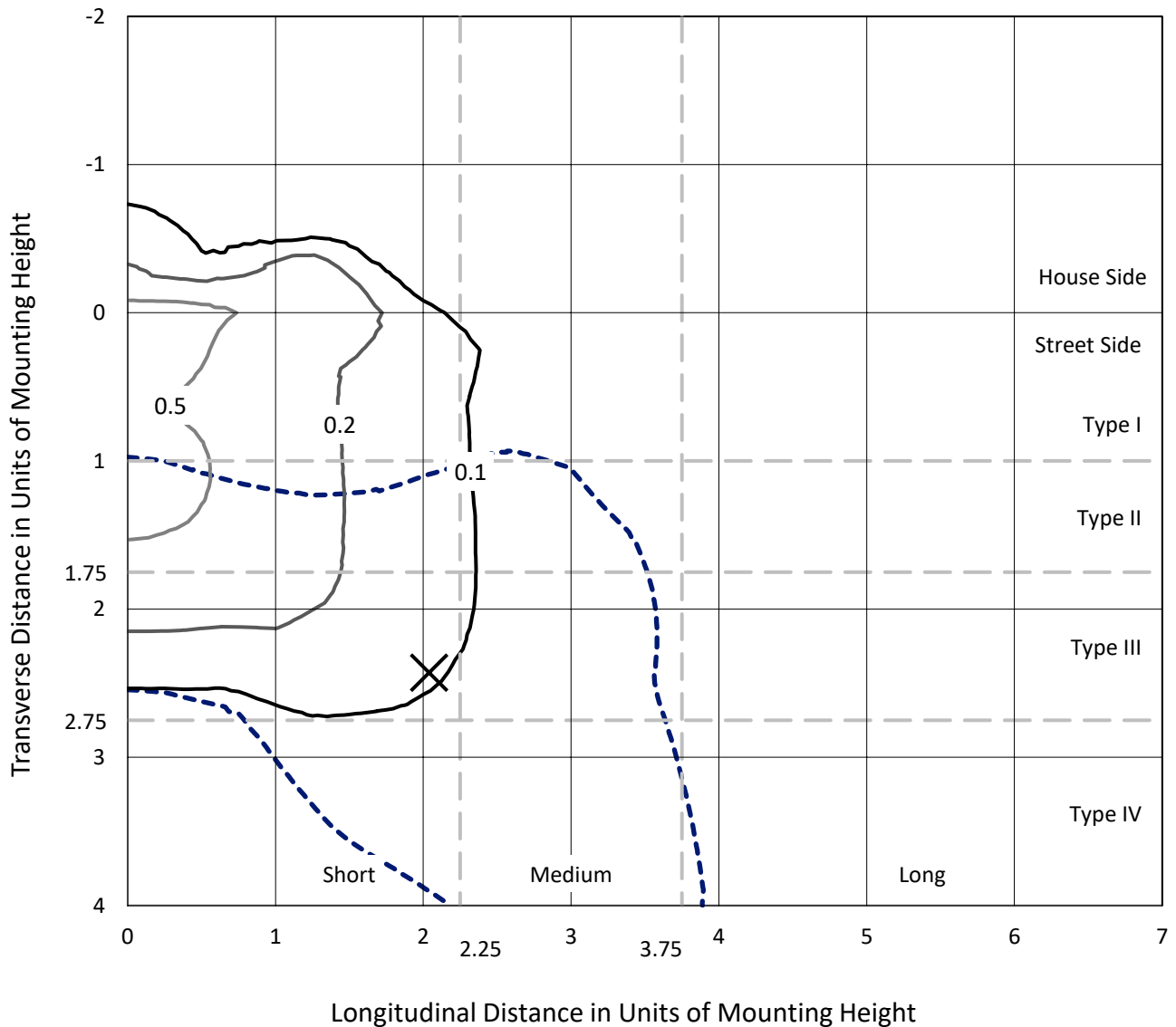
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

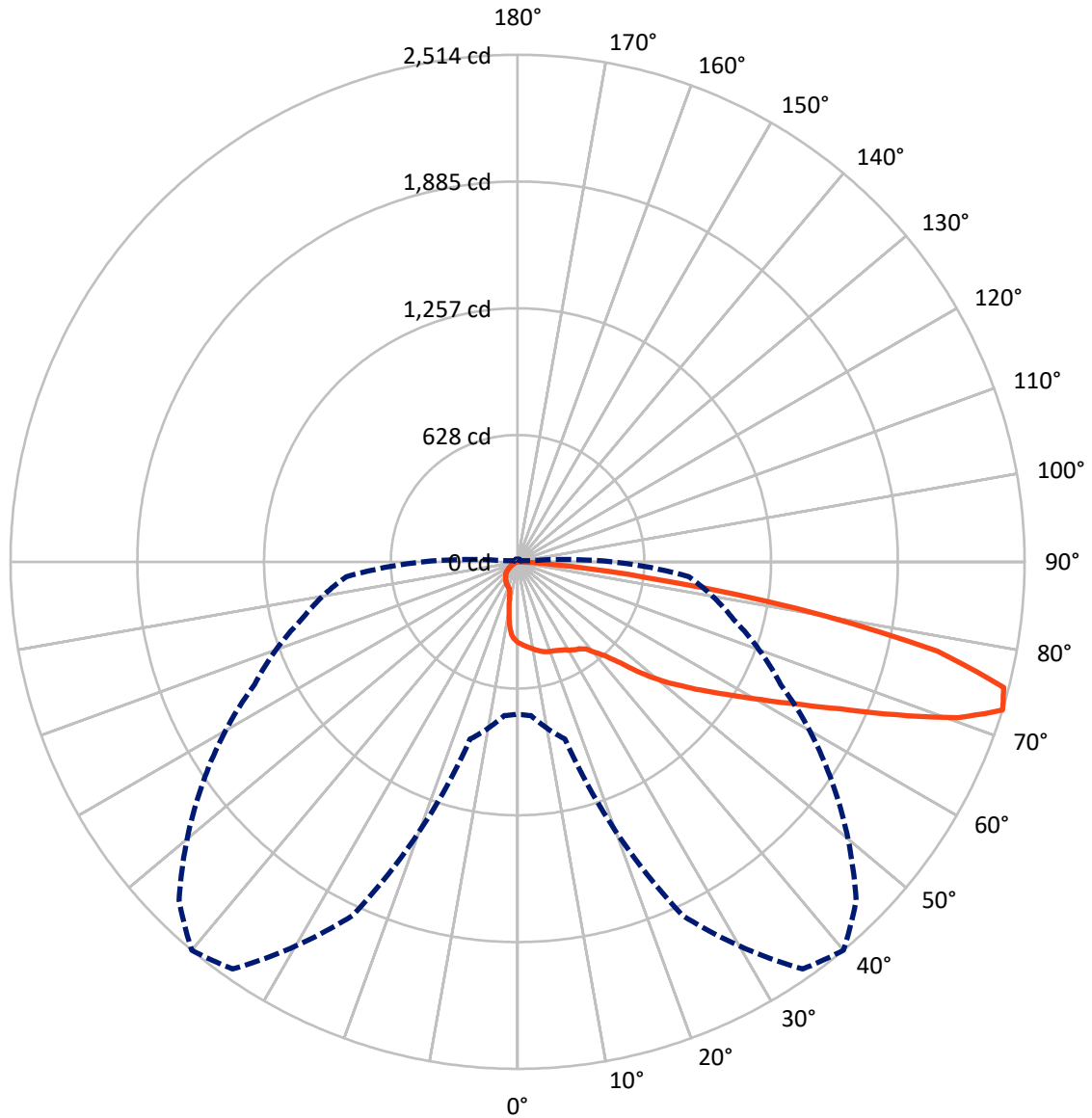
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type 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
House Side	Lumens	390.8	0.0	390.8
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	2635.2	0.0	2635.2
	% Fixture	87.1	0.0	87.1
Total	Lumens	3026.0	0.0	3026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	1.2
10°-20°	99.4	3.3
20°-30°	160.8	5.3
30°-40°	237.4	7.8
40°-50°	399.5	13.2
50°-60°	620.3	20.5
60°-70°	776.2	25.7
70°-80°	635.5	21.0
80°-90°	60.3	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°	3026.0	100.0
0°-180°	3026.0	100.0

Coefficient of Utilization



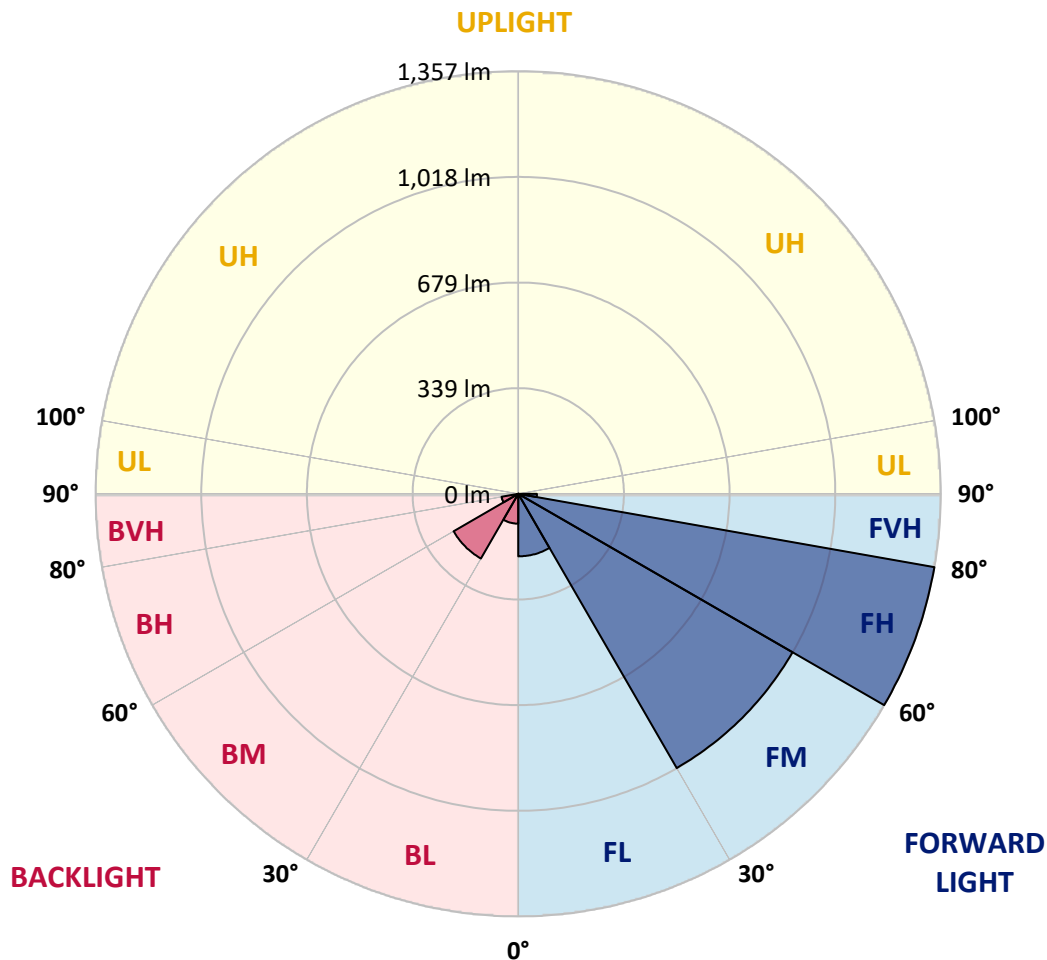
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.8	6.6			
FM (30°-60°)	1017.3	33.6			
FH (60°-80°)	1357.3	44.9			G1/1800
FVH (80°-90°)	59.8	2.0			G1/100
BL (0°-30°)	95.9	3.2	B0/110		
BM (30°-60°)	240.0	7.9	B1/1000		
BH (60°-80°)	54.4	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°	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7
2.5°	412.7	414.3	413.4	411.6	411.2	410.2	409.1	408.6	407.0	405.7
5°	424.4	426.0	424.8	422.3	421.2	420.0	418.4	417.1	413.9	410.9
7.5°	437.1	438.5	437.1	433.5	431.7	430.3	428.0	426.0	422.3	418.0
10°	451.3	452.4	450.4	445.6	442.6	440.6	438.5	436.2	432.8	428.0
12.5°	464.5	465.8	462.7	457.0	453.5	451.5	449.2	447.4	444.0	439.4
15°	476.6	478.6	473.1	467.0	463.1	461.5	459.2	458.1	455.8	452.6
17.5°	485.7	487.0	481.3	474.1	469.7	468.6	467.0	467.7	467.2	465.6
20°	493.4	494.3	486.8	477.9	473.1	473.4	472.9	475.2	476.1	476.1
22.5°	503.0	503.2	493.7	482.5	476.8	478.4	479.1	481.6	483.4	485.2
25°	515.5	515.1	503.7	488.4	483.4	485.7	487.3	488.2	490.2	493.2
27.5°	534.2	532.9	518.3	498.0	492.1	494.1	497.1	496.6	495.7	498.0
30°	557.9	556.1	536.7	511.4	506.0	507.8	508.7	504.6	498.0	500.0
32.5°	595.5	592.3	565.4	526.5	518.0	520.1	519.0	510.5	500.7	502.8
35°	660.9	653.2	615.1	557.9	531.7	529.4	526.7	518.5	506.4	504.4
37.5°	800.0	786.3	721.3	619.2	562.7	547.9	539.5	531.3	512.6	504.4
40°	956.8	942.9	867.9	721.8	614.2	589.1	569.1	546.3	519.0	507.3
42.5°	1120.4	1105.1	1028.1	849.0	687.8	636.3	598.9	558.4	529.4	516.4
45°	1303.2	1284.0	1183.3	981.6	794.7	714.7	647.0	583.2	547.7	532.6
47.5°	1496.0	1471.2	1338.1	1110.4	909.8	823.2	735.0	627.7	574.6	556.8
50°	1666.9	1642.3	1497.8	1245.1	1017.4	926.5	835.3	689.2	614.9	591.0
52.5°	1789.8	1771.1	1643.2	1384.1	1129.3	1023.3	926.2	760.8	666.0	634.7
55°	1872.1	1855.0	1746.3	1515.8	1259.4	1130.0	1015.8	838.5	727.5	687.2
57.5°	1922.0	1912.2	1820.8	1633.4	1388.4	1246.7	1118.4	923.9	800.0	748.9
60°	1939.7	1931.8	1867.0	1745.6	1544.3	1386.8	1238.9	1020.4	887.9	819.1
62.5°	1892.3	1893.9	1900.3	1878.4	1708.6	1550.9	1383.4	1136.1	985.5	898.7
65°	1669.2	1682.4	1803.7	2025.7	1926.3	1756.5	1567.3	1277.4	1097.2	989.1
67.5°	1382.1	1401.2	1552.1	2111.8	2158.3	2023.4	1823.5	1457.5	1230.3	1081.2
70°	1058.0	1078.5	1261.3	2093.8	2375.5	2315.1	2140.3	1686.5	1368.1	1145.0
72.5°	755.1	765.6	909.6	1933.6	2464.6	2513.9	2373.7	1903.5	1438.6	1109.7
75°	530.6	528.8	624.2	1557.1	2325.8	2489.7	2291.9	1786.1	1301.8	881.6
77.5°	231.1	231.6	311.8	945.6	1856.3	2126.4	1905.1	1118.8	907.5	467.2
80°	59.9	61.8	114.4	376.5	1117.7	1403.5	1161.9	491.8	419.4	114.0
82.5°	21.2	22.6	52.6	118.3	412.3	643.6	517.4	157.3	109.4	32.6
85°	6.2	7.3	28.3	36.2	85.2	181.9	125.6	30.5	26.9	16.9
87.5°	0.0	0.9	5.7	5.0	5.0	3.4	6.4	3.4	4.3	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: P845712
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
400.7	0°	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7
404.1	2.5°	402.7	401.1	397.7	394.1	390.6	387.4	386.5	383.1	381.5	381.8
407.3	5°	404.8	401.8	395.2	387.2	379.0	369.7	361.9	351.0	341.6	340.5
413.4	7.5°	410.2	405.5	394.7	379.2	358.7	333.0	309.0	285.3	271.9	264.6
422.5	10°	418.7	412.3	395.9	366.3	322.7	276.7	240.4	210.6	195.3	188.3
433.7	12.5°	428.7	421.6	397.7	344.1	276.2	215.8	176.6	158.4	155.2	154.8
447.4	15°	442.8	435.1	399.8	314.3	225.9	164.3	146.3	146.5	149.1	150.4
462.2	17.5°	458.6	450.8	396.8	277.8	176.2	140.4	139.9	142.0	145.6	147.0
475.9	20°	474.5	467.2	386.3	235.0	142.4	133.8	135.6	137.9	141.5	143.4
489.3	22.5°	490.9	484.5	369.7	189.4	128.5	129.0	131.3	133.6	137.7	139.7
502.5	25°	508.5	503.0	347.6	151.8	122.6	124.0	126.9	129.7	134.0	136.5
513.7	27.5°	526.2	522.1	322.5	126.7	117.1	118.7	122.2	125.8	130.1	133.1
523.5	30°	545.6	543.3	302.4	117.4	111.9	113.3	117.1	121.2	126.0	129.7
533.3	32.5°	565.4	565.0	292.6	124.2	107.1	108.0	111.4	115.6	121.5	126.0
541.5	35°	585.0	586.0	286.9	143.6	105.5	103.0	105.3	108.9	116.0	121.7
550.9	37.5°	610.1	612.4	286.7	164.6	109.4	98.0	99.6	102.1	108.3	114.9
565.4	40°	647.5	659.6	301.3	182.6	116.2	93.4	93.9	94.4	97.5	103.0
584.8	42.5°	697.2	732.5	353.9	194.9	119.0	89.3	87.7	85.2	84.8	87.7
611.3	45°	758.9	820.7	446.5	201.7	116.2	84.8	80.5	73.8	71.3	73.4
647.0	47.5°	831.6	917.3	556.1	203.3	111.7	79.1	71.3	62.7	60.6	61.3
695.1	50°	902.5	989.8	652.5	190.1	104.2	71.8	61.3	54.0	52.6	52.9
751.9	52.5°	965.2	1014.7	679.9	158.9	94.1	62.9	52.6	47.6	46.7	46.7
814.6	55°	1006.7	987.8	606.2	121.5	81.6	53.8	45.1	42.6	42.2	41.9
884.5	57.5°	1015.3	900.2	457.9	87.7	63.8	45.4	40.1	38.7	37.8	36.9
956.3	60°	984.3	754.4	291.5	61.3	47.9	38.7	35.6	34.6	32.8	31.0
1023.8	62.5°	917.3	569.8	161.4	42.6	38.5	33.0	31.5	30.3	26.9	23.9
1077.3	65°	827.3	378.8	71.3	33.3	31.5	27.8	26.9	25.3	21.2	17.8
1097.6	67.5°	736.8	218.1	32.1	26.7	25.3	22.8	22.1	21.0	18.0	14.8
1045.9	70°	633.6	110.5	22.1	21.2	19.6	17.3	18.0	17.8	14.8	12.1
853.1	72.5°	471.8	54.9	16.6	16.0	14.1	12.3	14.8	14.6	11.6	9.1
526.0	75°	267.1	27.1	12.1	11.2	8.4	9.1	11.9	11.2	8.0	5.9
222.0	77.5°	106.0	13.9	8.0	6.8	5.0	6.2	8.7	7.5	4.1	2.5
42.4	80°	24.4	6.8	4.1	3.0	2.3	3.6	4.6	2.7	1.1	0.2
11.4	82.5°	6.8	3.0	1.4	1.1	1.1	1.4	1.1	0.5	0.0	0.0
3.0	85°	2.3	1.4	0.5	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.9	87.5°	0.9	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

180°
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