

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: P846117

Luminaire Tested: **GLAN-SB1C-830-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5045 lumens
Efficiency: N/A
Efficacy: 92.7 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

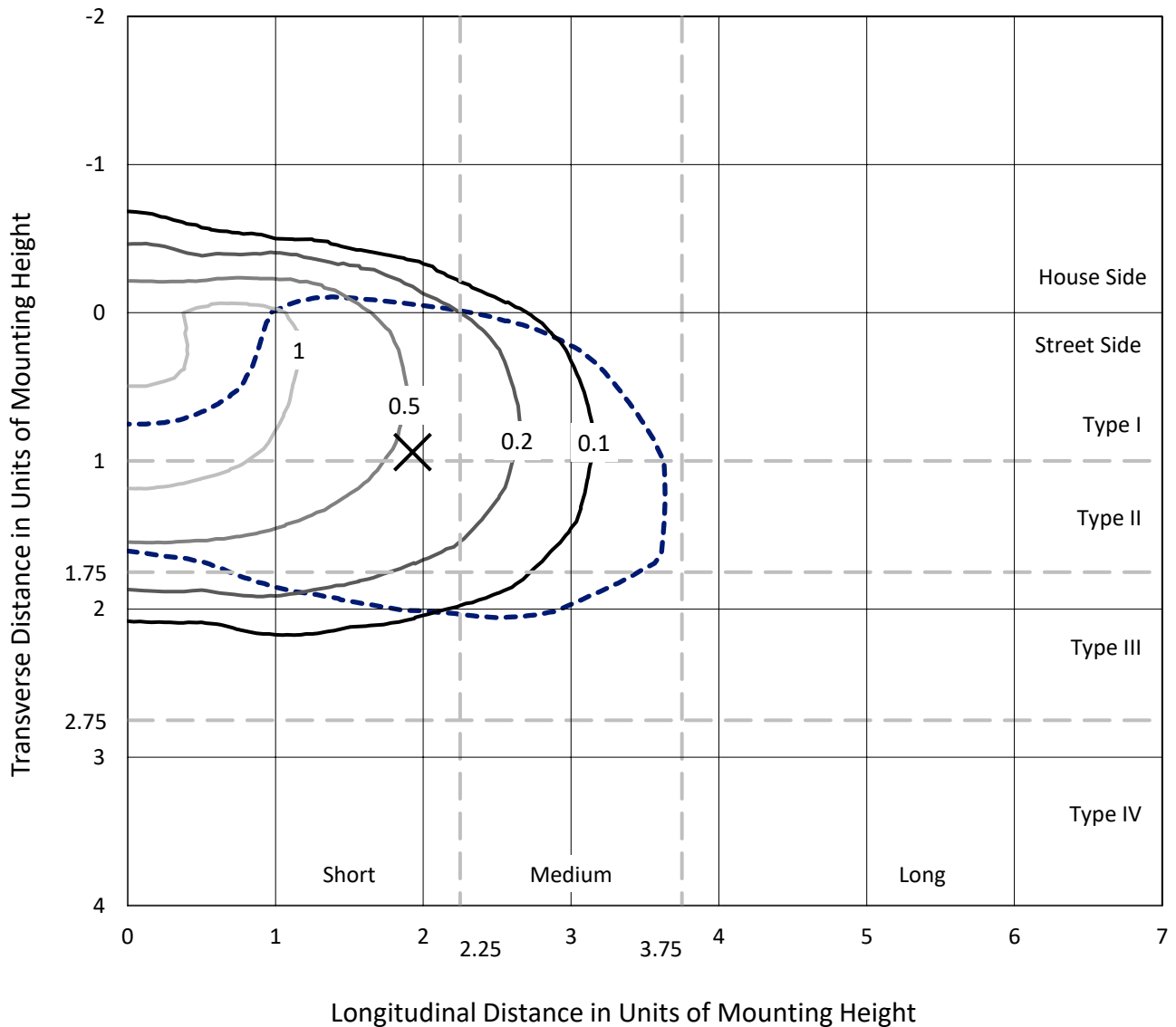
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

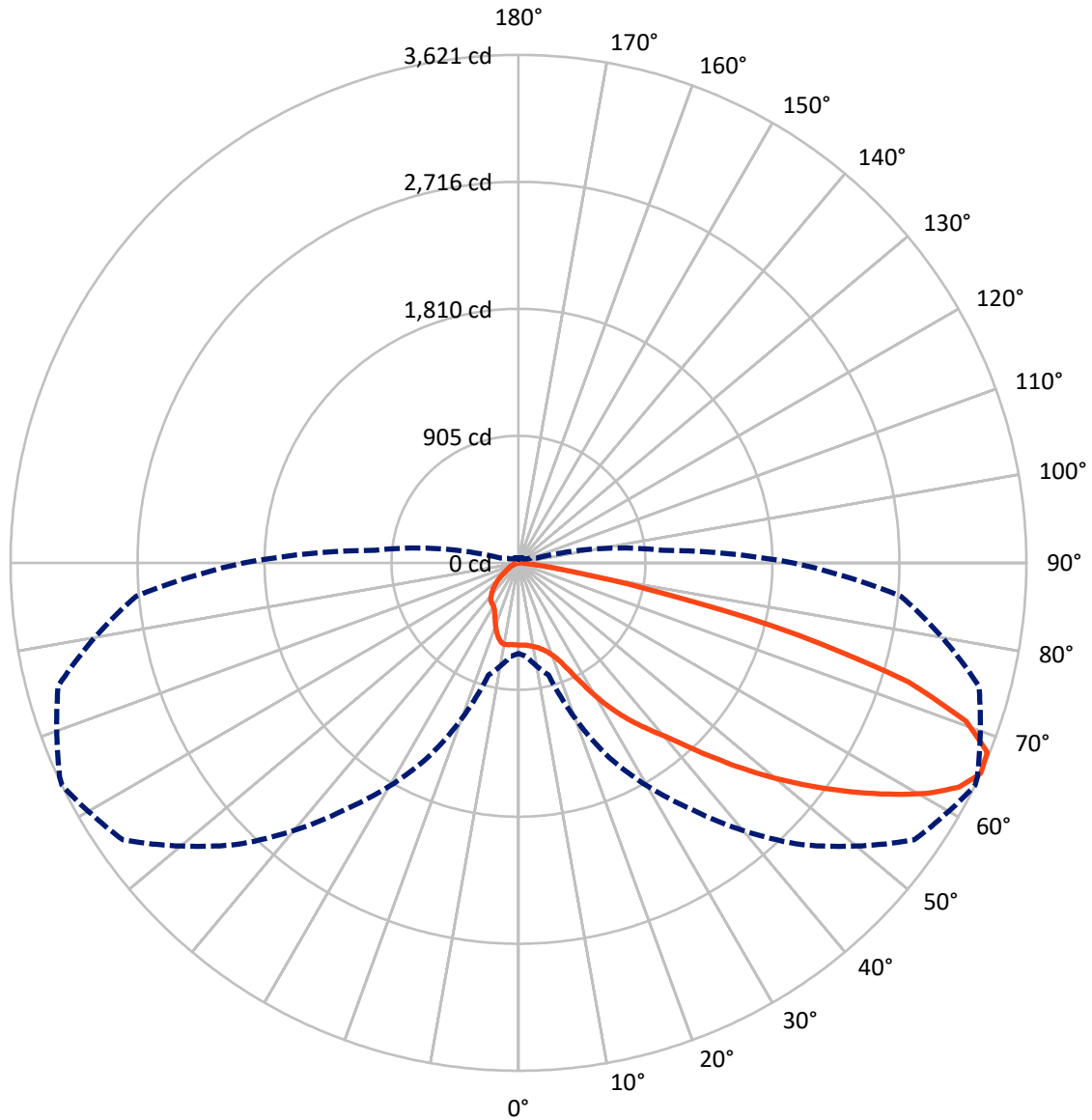
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	674.7	0.0	674.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4370.3	0.0	4370.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	5045.0	0.0	5045.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.1
10°-20°	146.8	2.9
20°-30°	278.2	5.5
30°-40°	563.0	11.2
40°-50°	959.1	19.0
50°-60°	1304.3	25.9
60°-70°	1224.8	24.3
70°-80°	490.7	9.7
80°-90°	23.8	0.5
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°	5045.0	100.0
0°-180°	5045.0	100.0

Coefficient of Utilization



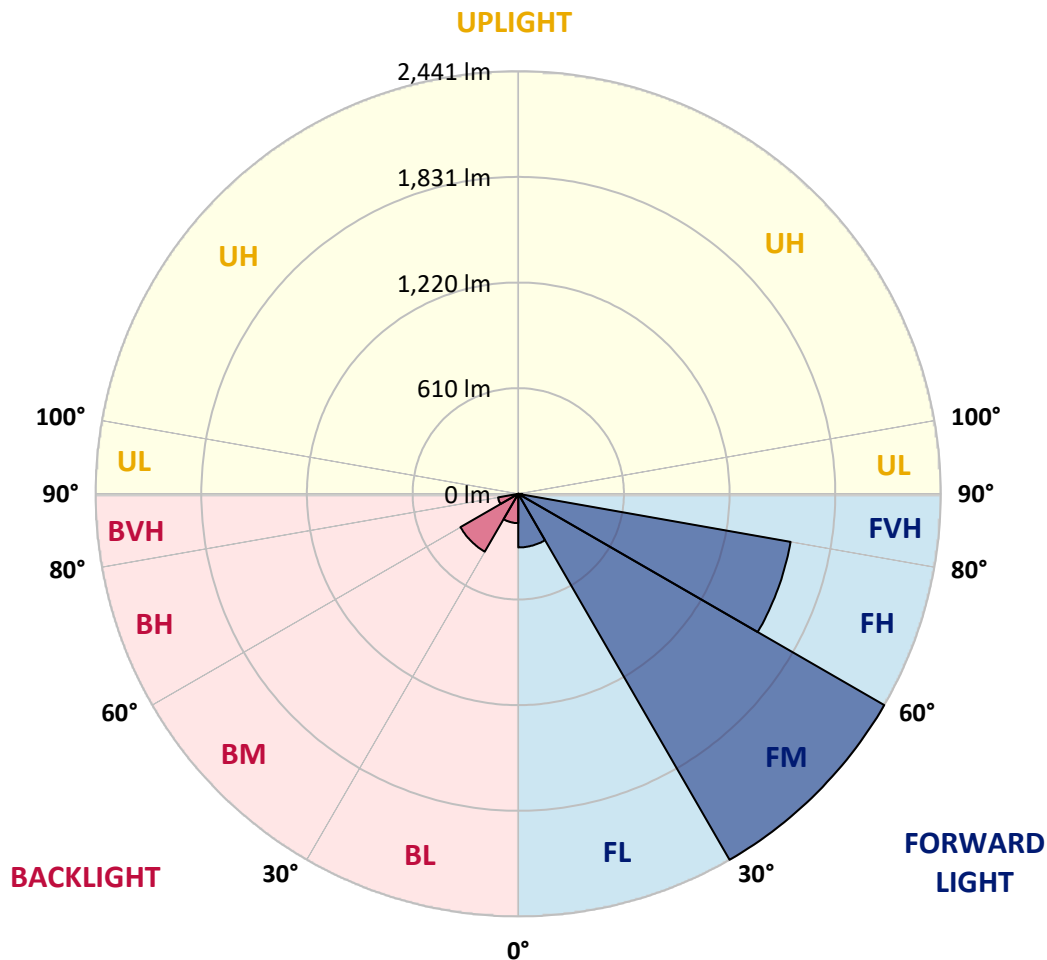
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.8	6.1			
FM (30°-60°)	2440.8	48.4			
FH (60°-80°)	1597.1	31.7			G1/1800
FVH (80°-90°)	22.6	0.4			G1/100
BL (0°-30°)	169.4	3.4	B1/500		
BM (30°-60°)	385.7	7.6	B1/1000		
BH (60°-80°)	118.4	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8
2.5°	584.8	588.8	587.8	586.8	586.4	587.1	587.5	587.1	587.1	587.1
5°	573.6	577.0	577.0	579.3	582.7	586.8	589.8	590.5	591.2	592.2
7.5°	552.3	555.0	557.0	564.8	573.3	584.1	593.2	597.9	598.6	602.3
10°	537.7	541.1	544.5	552.6	564.8	581.0	596.6	608.1	609.8	618.6
12.5°	537.1	540.5	544.8	553.6	567.8	585.1	604.0	620.6	623.7	636.5
15°	544.2	548.2	552.3	563.1	578.3	599.3	619.6	640.2	643.3	661.5
17.5°	558.7	564.1	567.2	578.0	594.2	617.6	644.3	668.0	670.7	692.0
20°	587.5	593.9	594.9	603.7	619.6	644.6	676.4	705.8	709.2	733.6
22.5°	647.0	656.1	648.0	652.4	666.6	691.6	726.1	763.3	768.1	795.8
25°	751.8	764.7	743.7	736.3	742.4	768.4	811.7	858.7	864.1	886.4
27.5°	957.8	941.2	909.4	878.3	860.1	874.9	923.6	981.8	988.6	1010.2
30°	1184.1	1169.5	1126.6	1057.6	1014.3	1011.9	1056.9	1121.8	1129.6	1150.2
32.5°	1410.7	1396.8	1350.1	1265.2	1190.1	1152.9	1184.1	1256.1	1260.2	1273.3
35°	1633.5	1619.3	1572.7	1485.7	1393.4	1308.9	1302.8	1383.9	1385.3	1399.2
37.5°	1857.8	1845.9	1796.2	1711.0	1620.0	1503.3	1446.8	1505.0	1506.7	1520.2
40°	2017.7	2022.8	1988.6	1922.7	1844.6	1717.1	1608.5	1633.9	1623.7	1646.4
42.5°	2155.0	2165.2	2135.4	2102.3	2057.0	1944.7	1808.7	1804.3	1788.1	1800.3
45°	2273.8	2282.2	2255.5	2247.7	2246.7	2167.9	2027.5	2001.2	1978.5	1976.1
47.5°	2317.4	2333.6	2345.1	2371.2	2421.9	2388.7	2253.8	2212.9	2187.5	2168.9
50°	2334.0	2351.2	2390.4	2466.2	2586.3	2600.5	2479.0	2433.0	2401.9	2368.1
52.5°	2311.6	2342.4	2395.2	2522.7	2696.8	2770.2	2695.2	2654.9	2619.4	2564.3
55°	2180.1	2210.8	2318.7	2522.0	2752.0	2889.3	2899.4	2881.5	2841.6	2754.7
57.5°	1902.7	1948.4	2119.2	2436.1	2751.0	2991.8	3099.6	3112.5	3067.9	2943.4
60°	1518.5	1580.4	1788.8	2245.7	2666.1	3047.2	3275.2	3339.4	3292.1	3129.4
62.5°	1059.6	1131.3	1328.5	1947.4	2471.9	3007.3	3403.4	3522.1	3486.2	3295.8
65°	646.3	669.3	828.3	1532.4	2141.9	2840.2	3442.9	3620.8	3609.0	3397.6
67.5°	430.5	449.8	495.5	1050.8	1662.6	2506.4	3348.2	3603.6	3607.0	3381.0
70°	259.4	276.0	305.7	611.1	1077.5	1983.9	3055.0	3383.7	3403.4	3159.5
72.5°	106.9	118.0	145.1	277.0	558.0	1259.1	2432.7	2905.2	2950.8	2656.6
75°	60.5	66.3	85.2	139.0	242.2	586.8	1473.6	2062.4	2129.7	1831.0
77.5°	40.2	43.0	55.1	90.0	136.3	200.2	629.7	1074.5	1203.0	1000.1
80°	27.1	29.4	37.9	60.2	88.6	85.9	200.6	398.1	489.7	343.6
82.5°	18.3	18.6	27.1	39.6	56.1	41.6	59.2	123.8	155.6	99.4
85°	10.5	10.1	20.0	23.0	25.0	17.2	17.9	37.2	48.7	41.9
87.5°	1.4	2.0	7.8	6.1	3.4	3.7	3.7	6.4	9.5	10.1
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°
586.8	0°	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8
587.5	2.5°	587.5	587.1	586.1	585.1	582.7	581.4	582.1	581.4	581.0	581.4
591.9	5°	591.9	590.8	588.1	584.8	580.0	574.3	570.6	565.1	560.1	557.0
603.7	7.5°	603.7	602.7	599.0	589.5	574.3	550.3	528.3	509.0	494.5	486.0
622.6	10°	622.6	620.9	615.2	594.2	554.3	501.9	458.3	422.1	398.4	387.2
645.0	12.5°	645.0	642.9	632.8	589.8	516.4	434.6	374.4	334.1	312.2	302.4
670.7	15°	671.3	668.6	648.7	568.9	461.3	360.2	305.1	275.0	260.8	252.0
703.5	17.5°	704.1	699.4	660.5	537.4	401.4	303.4	262.4	239.8	227.3	218.8
746.4	20°	746.8	739.0	670.0	499.9	346.3	267.5	233.7	214.8	205.3	197.8
807.3	22.5°	806.3	795.1	681.5	459.3	307.4	242.8	212.4	198.5	190.7	182.3
892.2	25°	880.0	866.8	695.7	421.7	280.7	221.5	196.8	185.3	176.2	166.4
1003.5	27.5°	983.2	959.5	712.6	391.0	257.7	203.3	182.6	169.8	159.3	151.2
1129.6	30°	1098.2	1059.3	727.5	372.4	236.7	186.4	164.0	151.2	141.4	135.6
1242.9	32.5°	1207.1	1154.3	737.3	364.2	217.8	167.1	143.7	129.9	122.4	120.7
1353.8	35°	1309.9	1240.2	736.3	356.5	200.9	147.8	123.8	109.6	103.8	104.8
1473.2	37.5°	1428.2	1331.9	729.2	344.3	187.0	130.2	106.5	94.0	88.9	89.3
1618.3	40°	1565.9	1437.7	724.8	321.3	171.8	114.0	92.3	82.2	78.5	77.1
1771.2	42.5°	1712.7	1540.2	725.4	295.3	152.9	99.4	82.5	74.1	70.7	69.7
1941.3	45°	1860.1	1637.9	726.5	268.2	132.9	88.3	75.4	68.3	66.3	64.9
2113.8	47.5°	1998.8	1721.1	707.5	239.1	113.3	79.8	69.7	64.9	63.2	61.6
2286.9	50°	2128.0	1776.6	661.9	205.3	97.7	73.1	65.3	61.9	60.2	58.5
2443.9	52.5°	2228.4	1785.4	586.4	170.5	86.9	68.0	62.6	59.5	57.5	55.8
2570.7	55°	2273.1	1730.3	479.2	138.0	78.5	63.6	59.9	56.8	54.5	52.8
2670.5	57.5°	2261.6	1614.3	373.7	110.9	70.3	59.2	56.5	54.5	51.7	49.0
2751.3	60°	2205.1	1459.0	281.7	92.3	62.9	54.5	52.8	51.1	47.3	43.3
2782.4	62.5°	2107.4	1263.9	200.9	76.4	54.8	49.0	48.4	47.0	41.6	34.2
2736.4	65°	1957.9	1026.8	135.3	63.6	47.0	43.0	43.3	40.9	33.8	25.4
2568.0	67.5°	1739.4	750.8	86.6	52.1	39.2	35.8	36.2	34.8	28.7	21.6
2248.7	70°	1461.0	497.2	56.5	39.6	31.5	27.7	29.8	30.1	24.4	17.6
1725.9	72.5°	1071.1	293.6	39.6	29.4	23.0	19.3	24.4	25.0	19.6	13.2
1038.3	75°	610.5	139.3	29.8	21.3	14.2	13.5	18.9	18.9	13.5	8.8
449.5	77.5°	256.4	58.2	21.0	13.9	8.1	7.8	12.9	11.8	6.8	4.1
109.6	80°	74.1	26.0	11.2	6.8	3.4	3.0	5.1	3.7	1.7	0.7
41.6	82.5°	29.1	11.5	4.4	2.7	1.4	1.4	0.7	0.0	0.0	0.0
23.7	85°	17.2	4.7	2.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0
5.1	87.5°	4.4	1.0	0.7	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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