

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: P846047

Luminaire Tested: **GLAN-SB1C-727-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846047
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-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 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: 5225 lumens
Efficiency: N/A
Efficacy: 96.0 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

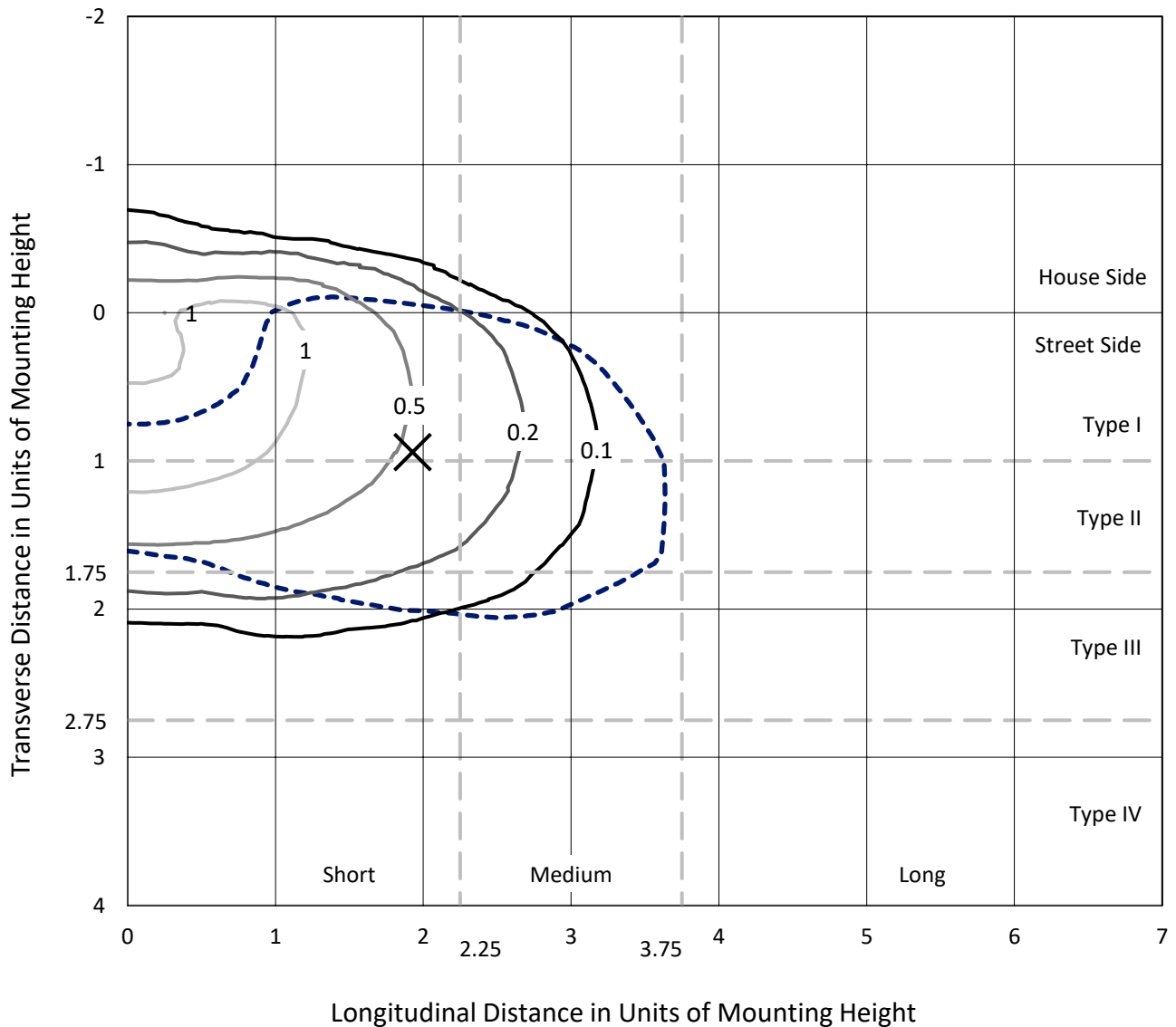
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

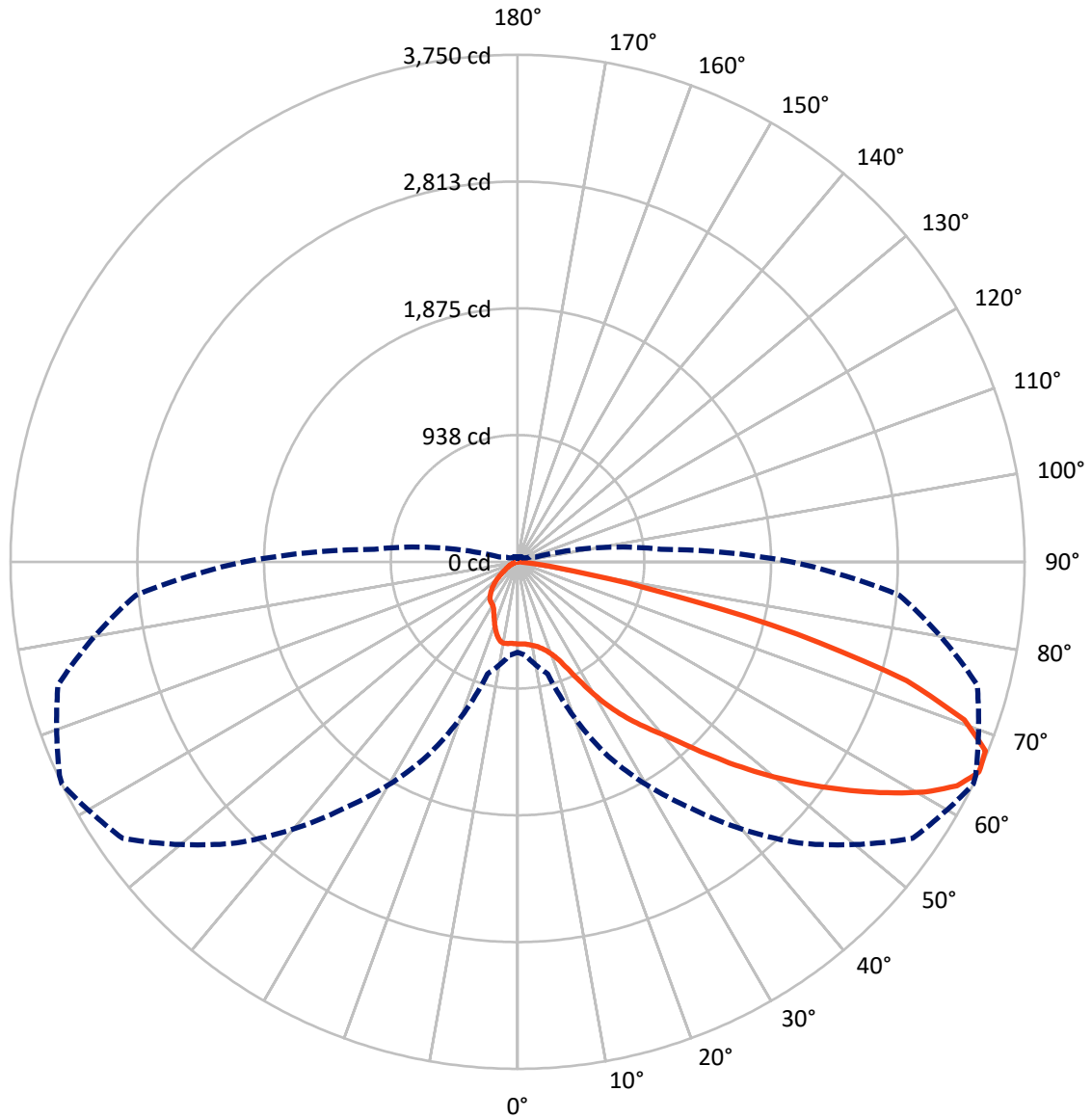
✕ Max cd
 - - - 1/2 Max cd



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	698.8	0.0	698.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4526.3	0.0	4526.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	5225.0	0.0	5225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	1.1
10°-20°	152.1	2.9
20°-30°	288.2	5.5
30°-40°	583.1	11.2
40°-50°	993.3	19.0
50°-60°	1350.9	25.9
60°-70°	1268.5	24.3
70°-80°	508.2	9.7
80°-90°	24.6	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°	5225.0	100.0
0°-180°	5225.0	100.0

Coefficient of Utilization



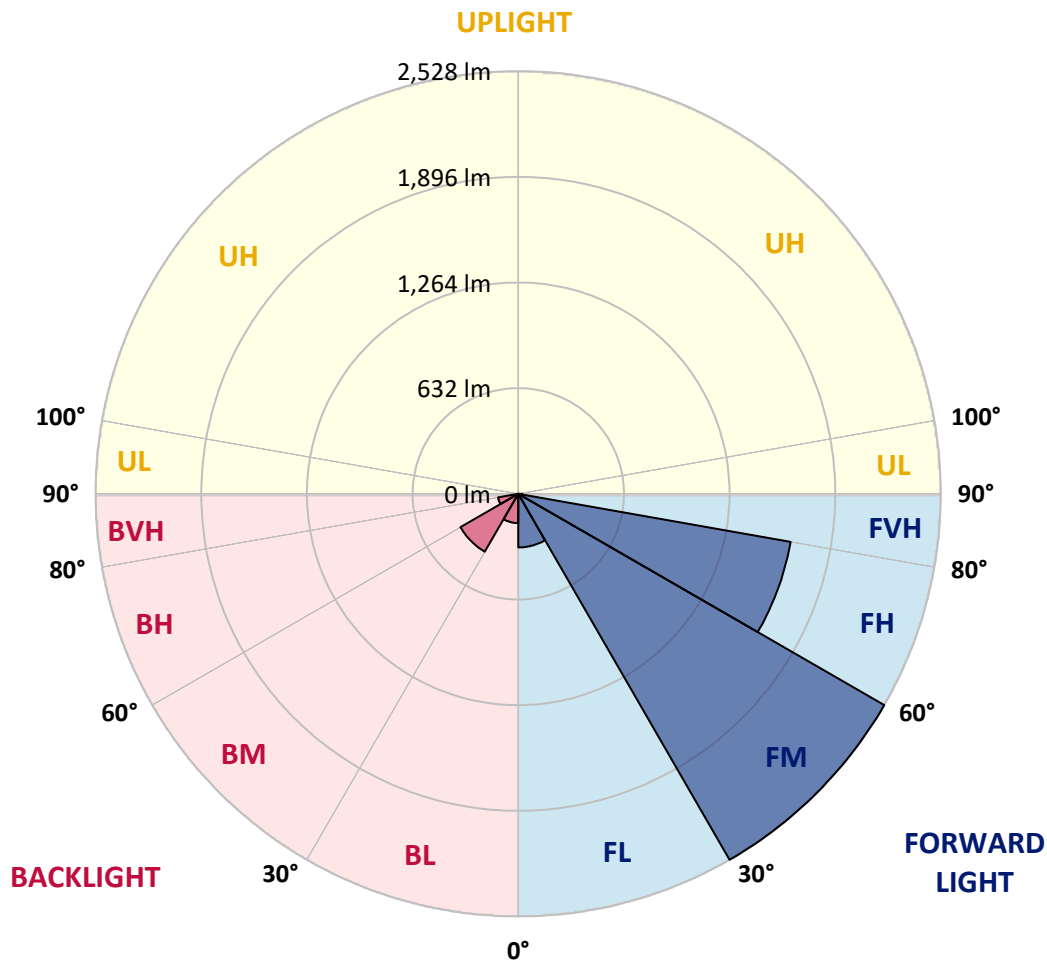
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.9	6.1			
FM (30°-60°)	2527.9	48.4			
FH (60°-80°)	1654.1	31.7			G1/1800
FVH (80°-90°)	23.4	0.4			G1/100
BL (0°-30°)	175.4	3.4	B1/500		
BM (30°-60°)	399.5	7.6	B1/1000		
BH (60°-80°)	122.6	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°	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7
2.5°	605.6	609.8	608.8	607.7	607.4	608.1	608.4	608.1	608.1	608.1
5°	594.1	597.6	597.6	600.0	603.5	607.7	610.9	611.6	612.3	613.3
7.5°	572.0	574.8	576.9	585.0	593.7	604.9	614.4	619.3	620.0	623.8
10°	556.9	560.4	563.9	572.3	585.0	601.8	617.9	629.8	631.5	640.6
12.5°	556.2	559.7	564.3	573.4	588.1	606.0	625.6	642.7	645.9	659.2
15°	563.6	567.8	572.0	583.2	599.0	620.7	641.7	663.1	666.2	685.1
17.5°	578.6	584.3	587.4	598.6	615.4	639.6	667.3	691.8	694.6	716.7
20°	608.4	615.1	616.1	625.2	641.7	667.6	700.5	731.0	734.5	759.7
22.5°	670.1	679.5	671.1	675.7	690.4	716.3	752.0	790.6	795.5	824.2
25°	778.7	792.0	770.2	762.5	768.8	795.8	840.7	889.3	894.9	918.1
27.5°	992.0	974.8	941.9	909.7	890.7	906.2	956.6	1016.8	1023.8	1046.3
30°	1226.3	1211.2	1166.8	1095.3	1050.5	1048.0	1094.6	1161.9	1169.9	1191.3
32.5°	1461.0	1446.6	1398.3	1310.4	1232.6	1194.1	1226.3	1300.9	1305.1	1318.8
35°	1691.8	1677.1	1628.8	1538.7	1443.1	1355.6	1349.2	1433.3	1434.7	1449.1
37.5°	1924.0	1911.8	1860.3	1772.0	1677.8	1557.0	1498.5	1558.7	1560.5	1574.5
40°	2089.7	2095.0	2059.6	1991.3	1910.4	1778.3	1665.9	1692.2	1681.7	1705.1
42.5°	2231.9	2242.4	2211.6	2177.3	2130.4	2014.1	1873.3	1868.7	1851.9	1864.5
45°	2354.9	2363.6	2336.0	2327.9	2326.9	2245.2	2099.9	2072.6	2049.1	2046.6
47.5°	2400.1	2416.9	2428.8	2455.8	2508.3	2474.0	2334.2	2291.8	2265.6	2246.3
50°	2417.2	2435.1	2475.7	2554.2	2678.5	2693.2	2567.5	2519.9	2487.6	2452.6
52.5°	2394.1	2426.0	2480.6	2612.7	2793.1	2869.1	2791.3	2749.6	2712.9	2655.8
55°	2257.9	2289.7	2401.5	2612.0	2850.2	2992.4	3002.9	2984.3	2943.0	2853.0
57.5°	1970.6	2017.9	2194.8	2523.0	2849.1	3098.5	3210.2	3223.6	3177.3	3048.4
60°	1572.7	1636.8	1852.6	2325.8	2761.2	3155.9	3392.0	3458.6	3409.5	3241.1
62.5°	1097.4	1171.7	1375.9	2016.9	2560.1	3114.6	3524.8	3647.7	3610.6	3413.4
65°	669.4	693.2	857.8	1587.1	2218.3	2941.6	3565.8	3750.0	3737.8	3518.8
67.5°	445.9	465.9	513.1	1088.3	1721.9	2595.9	3467.7	3732.1	3735.6	3501.7
70°	268.7	285.8	316.6	632.9	1116.0	2054.7	3164.0	3504.5	3524.8	3272.2
72.5°	110.7	122.2	150.3	286.9	577.9	1304.1	2519.5	3008.8	3056.1	2751.4
75°	62.7	68.7	88.3	144.0	250.8	607.7	1526.1	2136.0	2205.7	1896.4
77.5°	41.7	44.5	57.1	93.2	141.2	207.4	652.2	1112.8	1245.9	1035.8
80°	28.0	30.5	39.2	62.3	91.8	89.0	207.7	412.3	507.2	355.9
82.5°	18.9	19.3	28.0	41.0	58.1	43.1	61.3	128.2	161.1	103.0
85°	10.9	10.5	20.7	23.8	25.9	17.9	18.6	38.5	50.4	43.4
87.5°	1.4	2.1	8.1	6.3	3.5	3.9	3.9	6.7	9.8	10.5
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°
607.7	0°	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7
608.4	2.5°	608.4	608.1	607.0	606.0	603.5	602.1	602.8	602.1	601.8	602.1
613.0	5°	613.0	611.9	609.1	605.6	600.7	594.8	590.9	585.3	580.1	576.9
625.2	7.5°	625.2	624.2	620.3	610.5	594.8	569.9	547.1	527.2	512.1	503.3
644.9	10°	644.9	643.1	637.1	615.4	574.1	519.8	474.6	437.1	412.6	401.1
668.0	12.5°	668.0	665.9	655.4	610.9	534.9	450.1	387.8	346.1	323.3	313.1
694.6	15°	695.3	692.5	671.8	589.2	477.8	373.0	315.9	284.8	270.1	261.0
728.6	17.5°	729.3	724.4	684.1	556.6	415.8	314.2	271.8	248.3	235.4	226.6
773.1	20°	773.4	765.3	693.9	517.7	358.7	277.1	242.0	222.4	212.6	204.9
836.1	22.5°	835.0	823.5	705.8	475.7	318.4	251.5	220.0	205.6	197.6	188.8
924.0	25°	911.4	897.7	720.5	436.8	290.7	229.4	203.9	191.9	182.5	172.3
1039.3	27.5°	1018.2	993.7	738.0	404.9	266.9	210.5	189.1	175.8	165.0	156.6
1169.9	30°	1137.3	1097.1	753.4	385.6	245.2	193.0	169.9	156.6	146.4	140.5
1287.2	32.5°	1250.1	1195.5	763.6	377.2	225.6	173.0	148.9	134.5	126.8	125.0
1402.1	35°	1356.6	1284.4	762.5	369.2	208.1	153.1	128.2	113.5	107.5	108.6
1525.8	37.5°	1479.2	1379.4	755.2	356.6	193.7	134.9	110.3	97.4	92.1	92.5
1676.1	40°	1621.8	1489.0	750.6	332.8	177.9	118.0	95.6	85.1	81.3	79.9
1834.4	42.5°	1773.8	1595.1	751.3	305.8	158.3	103.0	85.5	76.7	73.2	72.2
2010.6	45°	1926.5	1696.4	752.4	277.8	137.7	91.4	78.1	70.8	68.7	67.3
2189.2	47.5°	2070.1	1782.5	732.8	247.6	117.3	82.7	72.2	67.3	65.5	63.7
2368.5	50°	2203.9	1840.0	685.5	212.6	101.2	75.7	67.6	64.1	62.3	60.6
2531.1	52.5°	2307.9	1849.1	607.4	176.5	90.0	70.4	64.8	61.6	59.5	57.8
2662.4	55°	2354.2	1792.0	496.3	142.9	81.3	65.9	62.0	58.8	56.4	54.6
2765.7	57.5°	2342.3	1671.8	387.1	114.9	72.9	61.3	58.5	56.4	53.6	50.8
2849.5	60°	2283.8	1511.1	291.8	95.6	65.2	56.4	54.6	52.9	49.0	44.8
2881.7	62.5°	2182.5	1309.0	208.1	79.2	56.7	50.8	50.1	48.7	43.1	35.4
2834.0	65°	2027.7	1063.4	140.1	65.9	48.7	44.5	44.8	42.4	35.0	26.3
2659.6	67.5°	1801.4	777.6	89.7	53.9	40.6	37.1	37.5	36.1	29.8	22.4
2329.0	70°	1513.2	514.9	58.5	41.0	32.6	28.7	30.8	31.2	25.2	18.2
1787.4	72.5°	1109.3	304.0	41.0	30.5	23.8	20.0	25.2	25.9	20.3	13.7
1075.3	75°	632.2	144.3	30.8	22.1	14.7	14.0	19.6	19.6	14.0	9.1
465.5	77.5°	265.5	60.2	21.7	14.4	8.4	8.1	13.3	12.3	7.0	4.2
113.5	80°	76.7	27.0	11.6	7.0	3.5	3.2	5.3	3.9	1.8	0.7
43.1	82.5°	30.1	11.9	4.6	2.8	1.4	1.4	0.7	0.0	0.0	0.0
24.5	85°	17.9	4.9	2.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0
5.3	87.5°	4.6	1.1	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

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