

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: P846397

Luminaire Tested: **GLAN-SB2A-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846397
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-SB2A-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6796 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

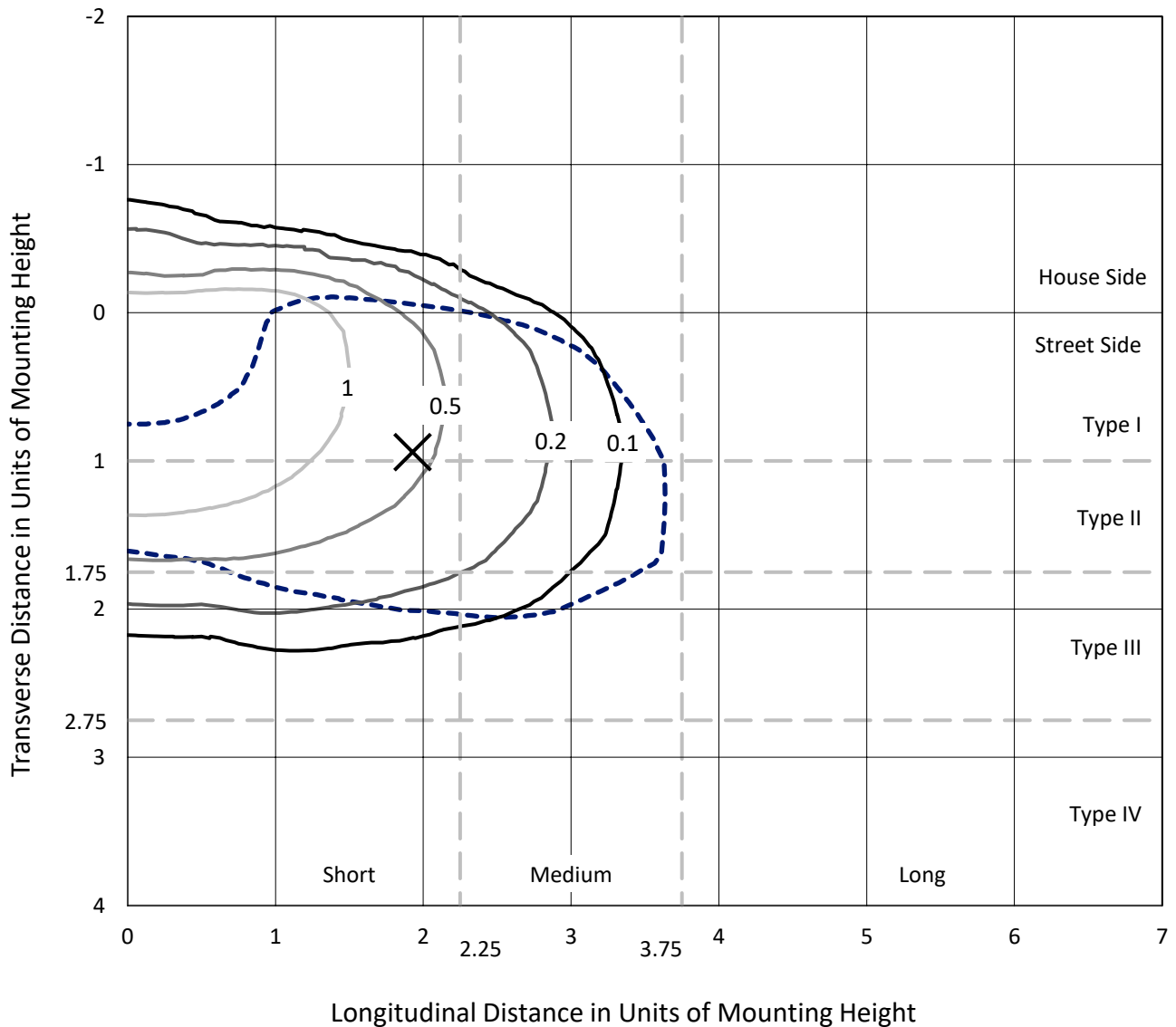
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

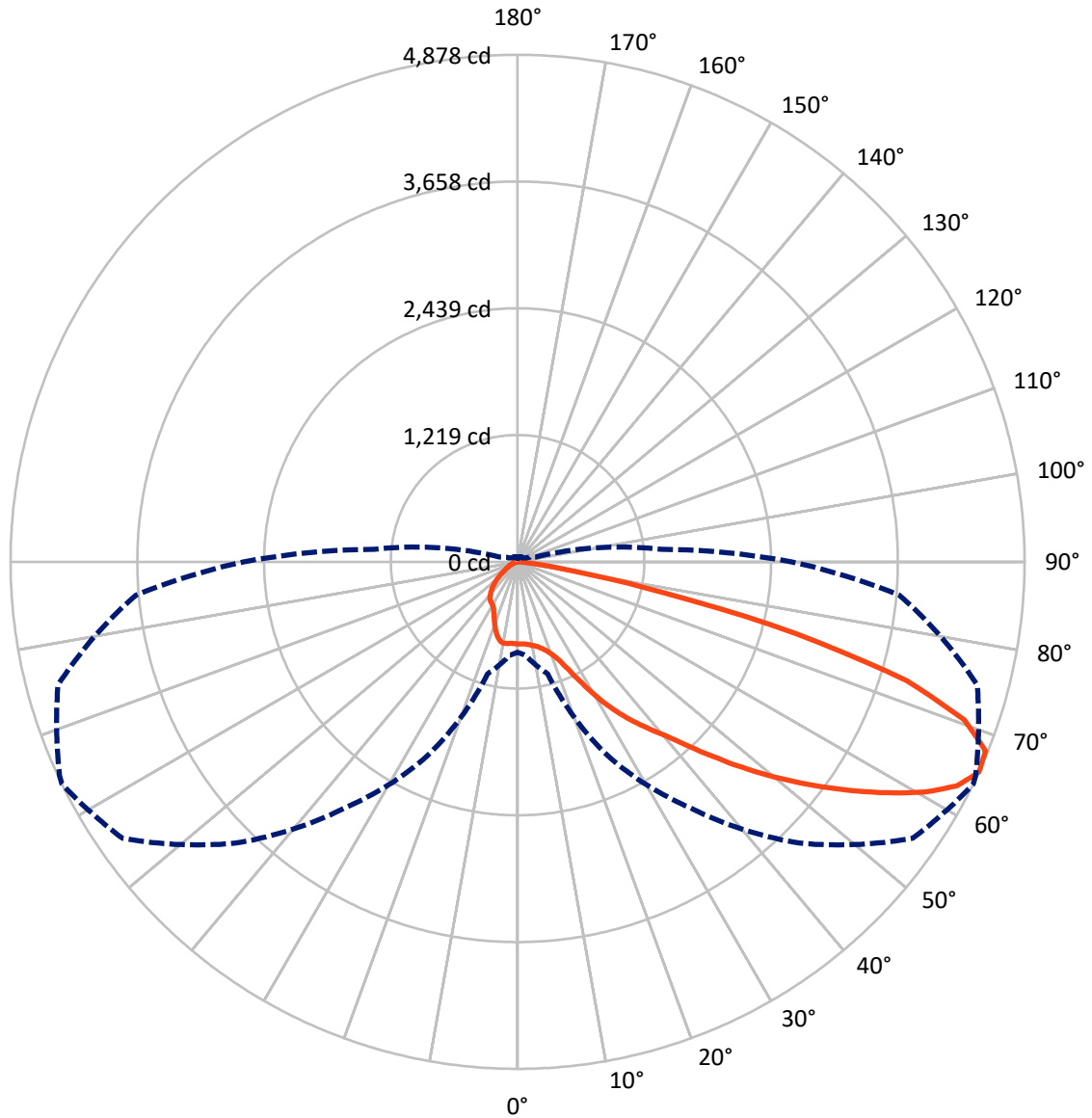
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	908.8	0.0	908.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5887.2	0.0	5887.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	6796.0	0.0	6796.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	1.1
10°-20°	197.8	2.9
20°-30°	374.8	5.5
30°-40°	758.4	11.2
40°-50°	1292.0	19.0
50°-60°	1757.0	25.9
60°-70°	1649.9	24.3
70°-80°	661.0	9.7
80°-90°	32.0	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°	6796.0	100.0
0°-180°	6796.0	100.0

Coefficient of Utilization



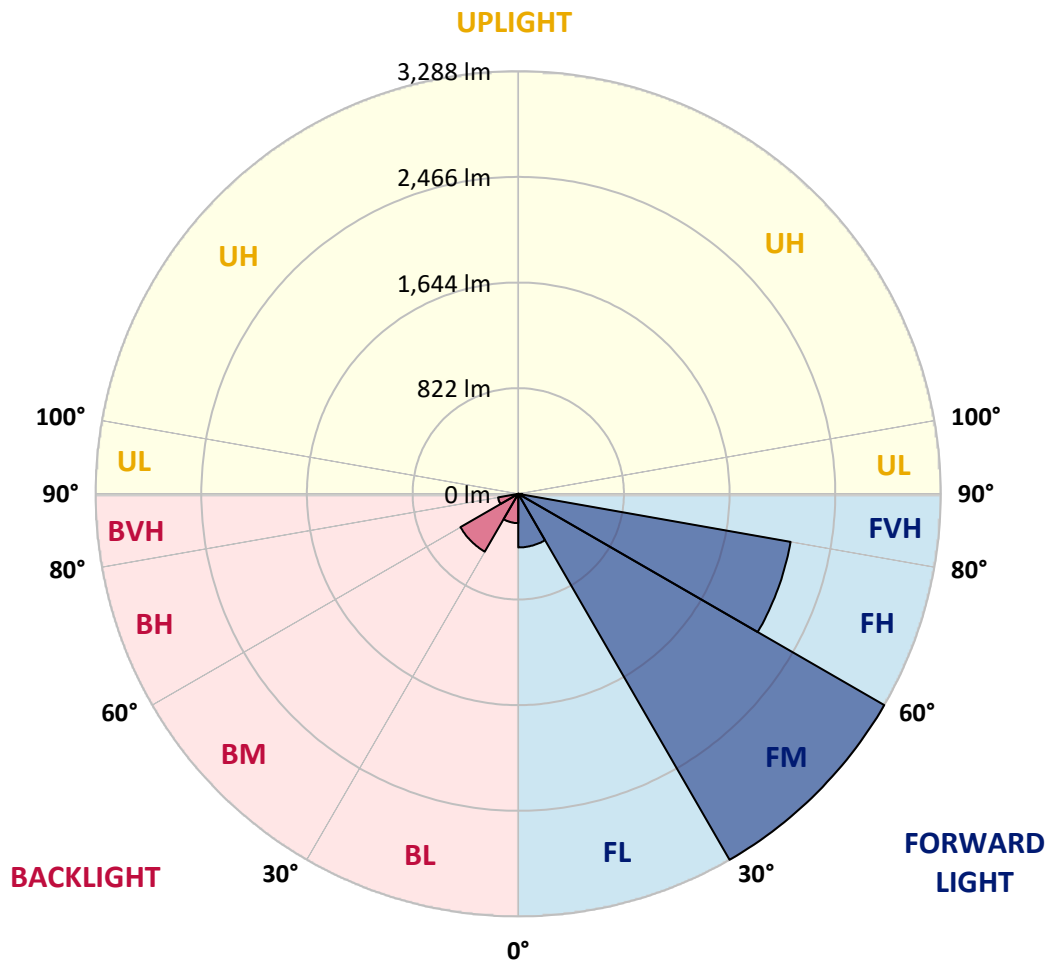
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.4	6.1			
FM (30°-60°)	3287.9	48.4			
FH (60°-80°)	2151.5	31.7			G2/5000
FVH (80°-90°)	30.5	0.4			G1/100
BL (0°-30°)	228.2	3.4	B1/500		
BM (30°-60°)	519.6	7.6	B1/1000		
BH (60°-80°)	159.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4
2.5°	787.7	793.2	791.8	790.4	790.0	790.9	791.4	790.9	790.9	790.9
5°	772.7	777.2	777.2	780.4	785.0	790.4	794.5	795.5	796.4	797.7
7.5°	744.0	747.6	750.4	760.8	772.2	786.8	799.1	805.5	806.4	811.4
10°	724.4	728.9	733.5	744.4	760.8	782.7	803.7	819.1	821.4	833.3
12.5°	723.5	728.0	734.0	745.8	764.9	788.2	813.7	836.0	840.1	857.4
15°	733.0	738.5	744.0	758.6	779.1	807.3	834.6	862.4	866.5	891.1
17.5°	752.6	759.9	764.0	778.6	800.5	831.9	867.9	899.8	903.4	932.1
20°	791.4	800.0	801.4	813.2	834.6	868.4	911.2	950.8	955.4	988.2
22.5°	871.5	883.8	872.9	878.8	898.0	931.7	978.1	1028.3	1034.6	1072.0
25°	1012.8	1030.1	1001.8	991.8	1000.0	1035.1	1093.4	1156.7	1164.0	1194.1
27.5°	1290.2	1267.9	1225.1	1183.2	1158.6	1178.6	1244.2	1322.6	1331.7	1360.8
30°	1595.0	1575.4	1517.6	1424.6	1366.3	1363.1	1423.7	1511.2	1521.7	1549.5
32.5°	1900.3	1881.6	1818.7	1704.4	1603.2	1553.1	1595.0	1692.1	1697.5	1715.3
35°	2200.5	2181.4	2118.5	2001.4	1877.0	1763.1	1754.9	1864.3	1866.1	1884.8
37.5°	2502.5	2486.6	2419.6	2304.8	2182.3	2025.1	1949.0	2027.4	2029.6	2047.9
40°	2718.0	2724.9	2678.9	2590.0	2484.8	2313.0	2166.8	2200.9	2187.3	2217.8
42.5°	2903.0	2916.7	2876.6	2831.9	2770.9	2619.6	2436.5	2430.6	2408.7	2425.1
45°	3062.9	3074.3	3038.3	3027.8	3026.5	2920.3	2731.3	2695.7	2665.2	2662.0
47.5°	3121.7	3143.6	3159.0	3194.1	3262.5	3217.8	3036.0	2980.9	2946.7	2921.7
50°	3144.0	3167.2	3220.1	3322.1	3483.9	3503.0	3339.5	3277.5	3235.6	3190.0
52.5°	3113.9	3155.4	3226.5	3398.2	3632.9	3731.7	3630.6	3576.4	3528.5	3454.3
55°	2936.7	2978.2	3123.5	3397.3	3707.1	3892.1	3905.8	3881.6	3827.9	3710.8
57.5°	2563.1	2624.6	2854.7	3281.6	3705.8	4030.1	4175.5	4192.8	4132.6	3965.0
60°	2045.6	2129.0	2409.6	3025.1	3591.4	4104.8	4411.9	4498.5	4434.7	4215.6
62.5°	1427.4	1523.9	1789.6	2623.3	3329.9	4051.1	4584.6	4744.5	4696.2	4439.7
65°	870.6	901.6	1115.7	2064.3	2885.2	3826.0	4637.9	4877.5	4861.6	4576.8
67.5°	580.0	605.9	667.4	1415.5	2239.7	3376.4	4510.3	4854.3	4858.8	4554.5
70°	349.4	371.8	411.9	823.2	1451.5	2672.5	4115.3	4558.2	4584.6	4256.1
72.5°	144.0	159.0	195.4	373.1	751.7	1696.2	3277.0	3913.5	3975.0	3578.6
75°	81.6	89.3	114.8	187.2	326.2	790.4	1985.0	2778.2	2868.8	2466.6
77.5°	54.2	57.9	74.3	121.2	183.6	269.7	848.3	1447.4	1620.5	1347.2
80°	36.4	39.6	51.0	81.1	119.4	115.7	270.2	536.2	659.7	462.9
82.5°	24.6	25.1	36.4	53.3	75.6	56.0	79.7	166.7	209.6	133.9
85°	14.1	13.7	26.9	31.0	33.7	23.2	24.1	50.1	65.6	56.5
87.5°	1.8	2.7	10.5	8.2	4.6	5.0	5.0	8.7	12.8	13.7
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°
790.4	0°	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4
791.4	2.5°	791.4	790.9	789.5	788.2	785.0	783.2	784.1	783.2	782.7	783.2
797.3	5°	797.3	795.9	792.3	787.7	781.3	773.6	768.6	761.3	754.5	750.4
813.2	7.5°	813.2	811.9	806.8	794.1	773.6	741.2	711.6	685.7	666.1	654.7
838.7	10°	838.7	836.5	828.7	800.5	746.7	676.1	617.3	568.6	536.7	521.6
868.8	12.5°	868.8	866.1	852.4	794.5	695.7	585.4	504.3	450.1	420.5	407.3
903.4	15°	904.3	900.7	873.8	766.3	621.4	485.2	410.9	370.4	351.3	339.4
947.6	17.5°	948.5	942.2	889.8	723.9	540.8	408.7	353.5	323.0	306.2	294.8
1005.5	20°	1005.9	995.5	902.5	673.4	466.5	360.4	314.8	289.3	276.5	266.5
1087.5	22.5°	1086.1	1071.1	918.0	618.7	414.1	327.1	286.1	267.4	257.0	245.6
1201.8	25°	1185.4	1167.7	937.1	568.1	378.1	298.4	265.2	249.7	237.4	224.1
1351.7	27.5°	1324.4	1292.5	959.9	526.7	347.2	273.8	246.0	228.7	214.6	203.6
1521.7	30°	1479.3	1426.9	980.0	501.6	318.9	251.0	221.0	203.6	190.4	182.7
1674.3	32.5°	1626.0	1554.9	993.2	490.7	293.4	225.1	193.6	174.9	164.9	162.6
1823.7	35°	1764.5	1670.6	991.8	480.2	270.6	199.1	166.7	147.6	139.9	141.2
1984.5	37.5°	1923.9	1794.1	982.2	463.8	251.9	175.4	143.5	126.7	119.8	120.3
2180.0	40°	2109.4	1936.7	976.3	432.8	231.4	153.5	124.4	110.7	105.7	103.9
2385.9	42.5°	2307.1	2074.7	977.2	397.7	205.9	133.9	111.2	99.8	95.2	93.9
2615.1	45°	2505.7	2206.4	978.6	361.3	179.0	118.9	101.6	92.0	89.3	87.5
2847.4	47.5°	2692.5	2318.5	953.1	322.1	152.6	107.5	93.9	87.5	85.2	82.9
3080.7	50°	2866.6	2393.2	891.6	276.5	131.7	98.4	87.9	83.4	81.1	78.8
3292.1	52.5°	3001.9	2405.0	790.0	229.6	117.1	91.6	84.3	80.2	77.4	75.2
3462.9	55°	3062.0	2330.8	645.6	185.9	105.7	85.7	80.6	76.5	73.3	71.1
3597.3	57.5°	3046.5	2174.5	503.4	149.4	94.8	79.7	76.1	73.3	69.7	66.1
3706.2	60°	2970.4	1965.4	379.5	124.4	84.7	73.3	71.1	68.8	63.8	58.3
3748.1	62.5°	2838.8	1702.5	270.6	103.0	73.8	66.1	65.1	63.3	56.0	46.0
3686.2	65°	2637.4	1383.2	182.2	85.7	63.3	57.9	58.3	55.1	45.6	34.2
3459.3	67.5°	2343.1	1011.4	116.6	70.2	52.8	48.3	48.7	46.9	38.7	29.2
3029.2	70°	1968.1	669.7	76.1	53.3	42.4	37.4	40.1	40.5	32.8	23.7
2324.9	72.5°	1442.8	395.5	53.3	39.6	31.0	26.0	32.8	33.7	26.4	17.8
1398.7	75°	822.3	187.7	40.1	28.7	19.1	18.2	25.5	25.5	18.2	11.8
605.5	77.5°	345.3	78.4	28.2	18.7	10.9	10.5	17.3	15.9	9.1	5.5
147.6	80°	99.8	35.1	15.0	9.1	4.6	4.1	6.8	5.0	2.3	0.9
56.0	82.5°	39.2	15.5	5.9	3.6	1.8	1.8	0.9	0.0	0.0	0.0
31.9	85°	23.2	6.4	2.7	1.4	0.5	0.0	0.0	0.0	0.0	0.0
6.8	87.5°	5.9	1.4	0.9	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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