

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: P846477

Luminaire Tested: **GLAN-SB2A-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846477
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-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 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: 6257 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

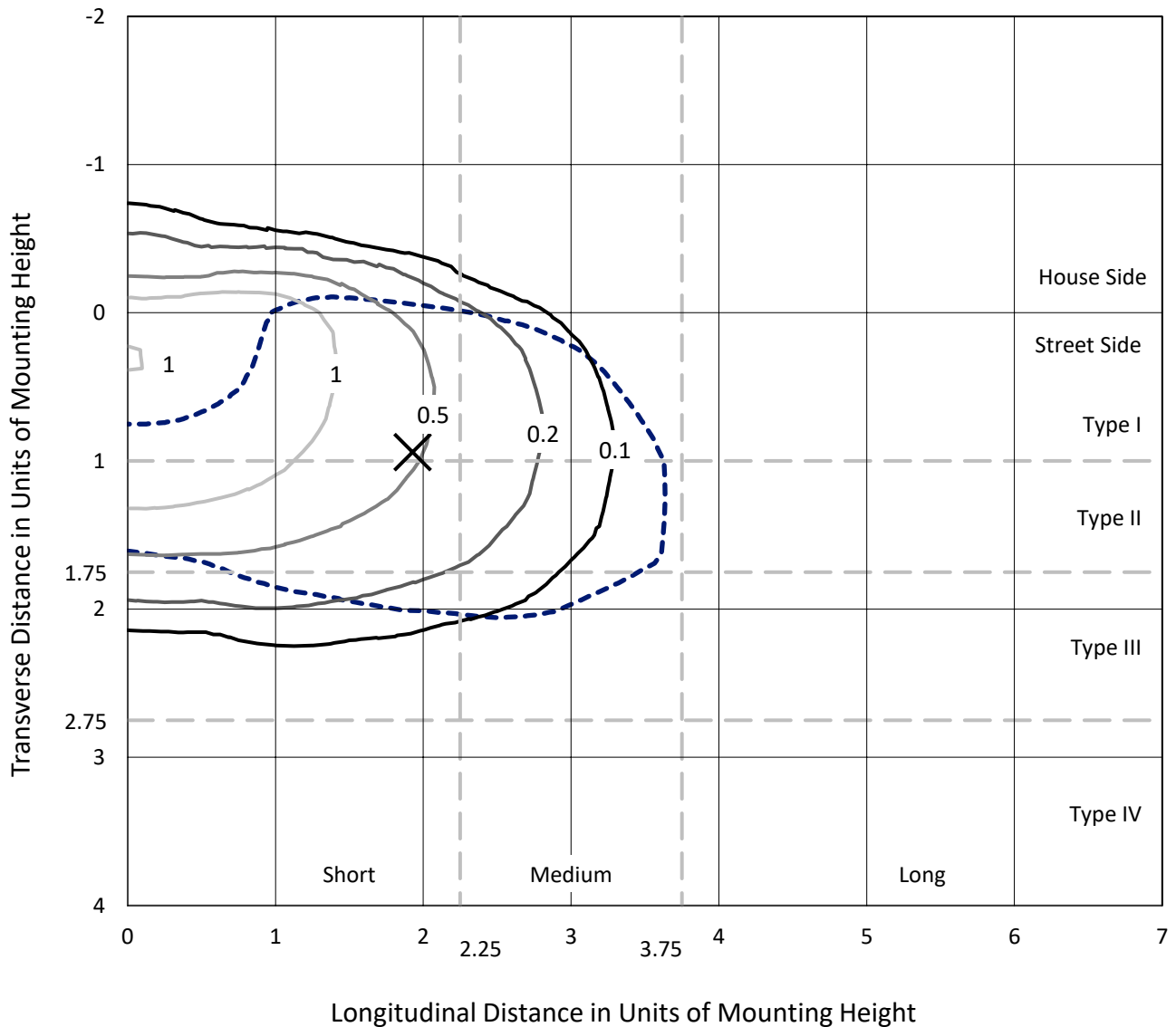
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

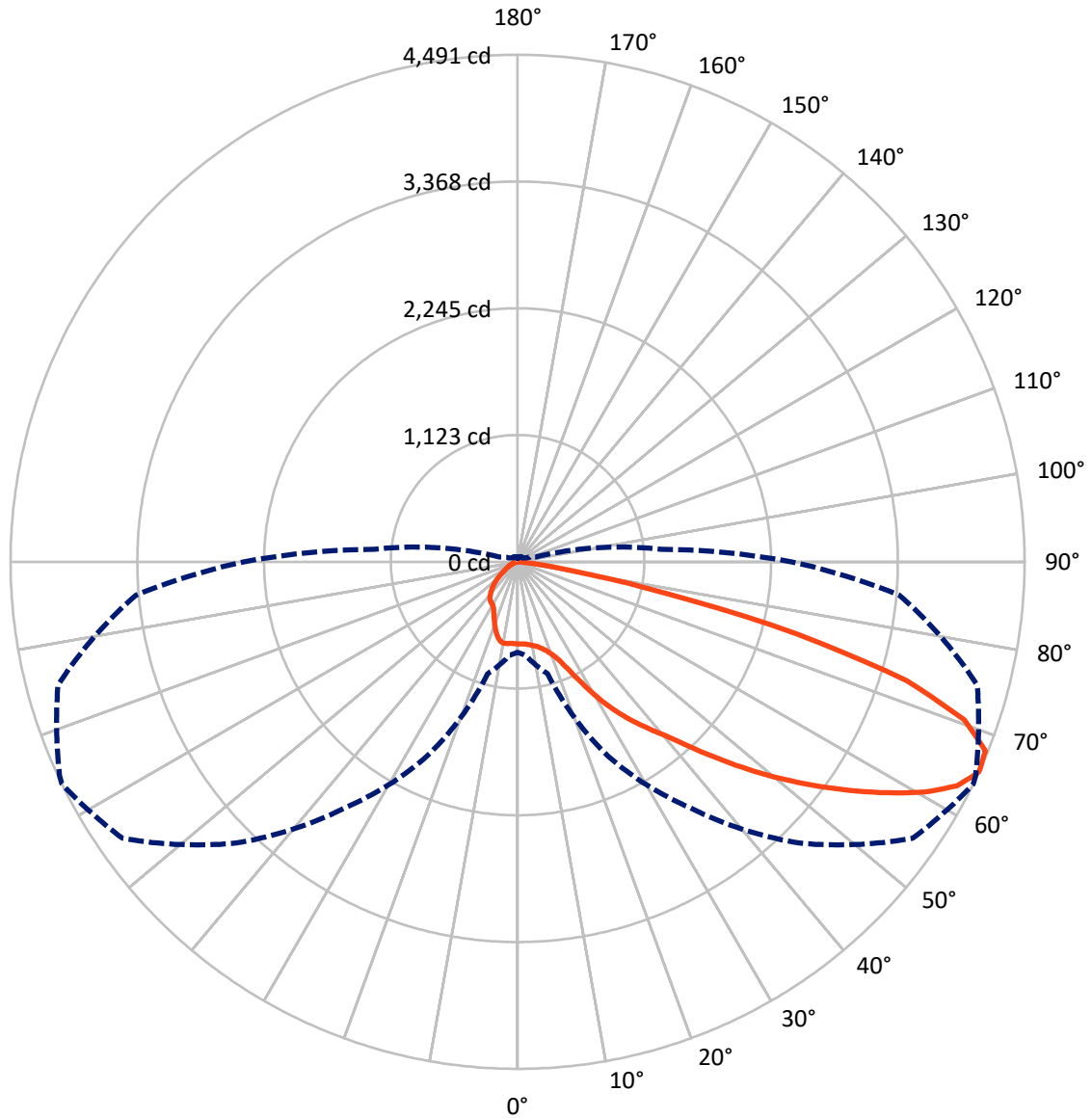
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	836.7	0.0	836.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5420.2	0.0	5420.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	6257.0	0.0	6257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	1.1
10°-20°	182.1	2.9
20°-30°	345.1	5.5
30°-40°	698.3	11.2
40°-50°	1189.5	19.0
50°-60°	1617.7	25.9
60°-70°	1519.1	24.3
70°-80°	608.6	9.7
80°-90°	29.5	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°	6257.0	100.0
0°-180°	6257.0	100.0

Coefficient of Utilization



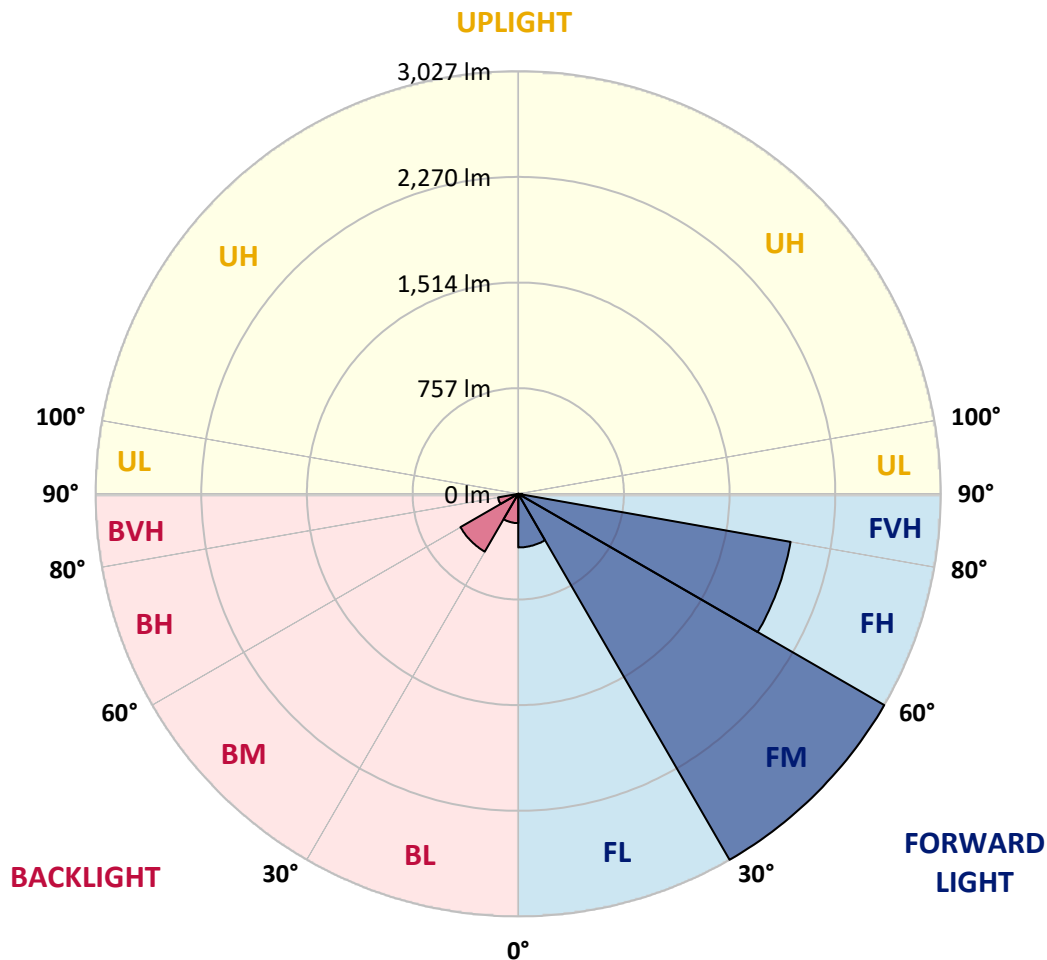
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.3	6.1			
FM (30°-60°)	3027.1	48.4			
FH (60°-80°)	1980.8	31.7			G2/5000
FVH (80°-90°)	28.0	0.4			G1/100
BL (0°-30°)	210.1	3.4	B1/500		
BM (30°-60°)	478.4	7.6	B1/1000		
BH (60°-80°)	146.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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°	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8
2.5°	725.2	730.3	729.0	727.8	727.3	728.2	728.6	728.2	728.2	728.2
5°	711.4	715.6	715.6	718.5	722.7	727.8	731.5	732.4	733.2	734.5
7.5°	685.0	688.3	690.8	700.5	711.0	724.4	735.7	741.6	742.4	747.0
10°	666.9	671.1	675.3	685.4	700.5	720.6	739.9	754.2	756.3	767.2
12.5°	666.1	670.3	675.7	686.6	704.3	725.7	749.1	769.7	773.5	789.4
15°	674.9	679.9	685.0	698.4	717.3	743.3	768.4	794.0	797.8	820.5
17.5°	692.9	699.7	703.4	716.8	737.0	765.9	799.1	828.4	831.8	858.2
20°	728.6	736.6	737.8	748.7	768.4	799.5	838.9	875.4	879.6	909.8
22.5°	802.4	813.7	803.7	809.1	826.7	857.8	900.6	946.7	952.6	987.0
25°	932.4	948.4	922.4	913.2	920.7	953.0	1006.7	1065.0	1071.7	1099.4
27.5°	1187.9	1167.3	1127.9	1089.3	1066.7	1085.1	1145.5	1217.7	1226.1	1252.9
30°	1468.5	1450.5	1397.2	1311.6	1257.9	1255.0	1310.8	1391.3	1401.0	1426.6
32.5°	1749.5	1732.3	1674.5	1569.2	1476.1	1429.9	1468.5	1557.9	1562.9	1579.2
35°	2026.0	2008.3	1950.5	1842.7	1728.2	1623.3	1615.7	1716.4	1718.1	1735.3
37.5°	2304.1	2289.4	2227.7	2122.0	2009.2	1864.5	1794.4	1866.6	1868.7	1885.4
40°	2502.5	2508.8	2466.4	2384.6	2287.7	2129.6	1994.9	2026.4	2013.8	2041.9
42.5°	2672.8	2685.3	2648.4	2607.3	2551.1	2411.9	2243.2	2237.8	2217.7	2232.8
45°	2820.0	2830.5	2797.3	2787.7	2786.4	2688.7	2514.6	2481.9	2453.8	2450.9
47.5°	2874.1	2894.2	2908.5	2940.8	3003.7	2962.6	2795.2	2744.5	2713.0	2690.0
50°	2894.7	2916.0	2964.7	3058.7	3207.6	3225.2	3074.6	3017.6	2979.0	2937.0
52.5°	2867.0	2905.1	2970.6	3128.7	3344.7	3435.8	3342.6	3292.7	3248.7	3180.3
55°	2703.8	2742.0	2875.8	3127.9	3413.1	3583.4	3596.0	3573.8	3524.3	3416.5
57.5°	2359.9	2416.5	2628.3	3021.3	3411.8	3710.5	3844.3	3860.2	3804.9	3650.5
60°	1883.4	1960.1	2218.5	2785.2	3306.6	3779.3	4062.0	4141.7	4083.0	3881.2
62.5°	1314.2	1403.1	1647.6	2415.2	3065.8	3729.8	4221.0	4368.2	4323.7	4087.6
65°	801.6	830.1	1027.2	1900.5	2656.4	3522.6	4270.0	4490.7	4476.0	4213.8
67.5°	534.0	557.9	614.5	1303.2	2062.0	3108.6	4152.6	4469.3	4473.5	4193.3
70°	321.7	342.3	379.2	758.0	1336.4	2460.5	3788.9	4196.6	4221.0	3918.5
72.5°	132.5	146.4	179.9	343.5	692.1	1561.6	3017.1	3603.1	3659.7	3294.8
75°	75.1	82.2	105.7	172.4	300.3	727.8	1827.6	2557.8	2641.3	2270.9
77.5°	49.9	53.3	68.4	111.6	169.0	248.3	781.0	1332.6	1492.0	1240.3
80°	33.6	36.5	47.0	74.7	109.9	106.5	248.7	493.7	607.4	426.2
82.5°	22.7	23.1	33.6	49.1	69.6	51.6	73.4	153.5	192.9	123.3
85°	13.0	12.6	24.7	28.5	31.0	21.4	22.2	46.1	60.4	52.0
87.5°	1.7	2.5	9.6	7.6	4.2	4.6	4.6	8.0	11.7	12.6
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°
727.8	0°	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8
728.6	2.5°	728.6	728.2	726.9	725.7	722.7	721.0	721.9	721.0	720.6	721.0
734.0	5°	734.0	732.8	729.4	725.2	719.4	712.2	707.6	700.9	694.6	690.8
748.7	7.5°	748.7	747.5	742.9	731.1	712.2	682.5	655.2	631.3	613.2	602.8
772.2	10°	772.2	770.1	763.0	737.0	687.5	622.5	568.4	523.5	494.1	480.3
799.9	12.5°	799.9	797.4	784.8	731.5	640.5	539.0	464.3	414.4	387.2	375.0
831.8	15°	832.6	829.3	804.5	705.5	572.1	446.7	378.3	341.0	323.4	312.5
872.5	17.5°	873.3	867.4	819.2	666.5	497.9	376.3	325.5	297.4	281.9	271.4
925.7	20°	926.2	916.5	830.9	620.0	429.5	331.8	289.8	266.4	254.6	245.4
1001.2	22.5°	1000.0	986.1	845.2	569.6	381.3	301.2	263.4	246.2	236.6	226.1
1106.5	25°	1091.4	1075.1	862.8	523.1	348.1	274.7	244.1	229.9	218.5	206.4
1244.5	27.5°	1219.4	1190.0	883.8	484.9	319.6	252.1	226.5	210.6	197.6	187.5
1401.0	30°	1362.0	1313.7	902.2	461.8	293.6	231.1	203.4	187.5	175.3	168.2
1541.5	32.5°	1497.0	1431.6	914.4	451.8	270.1	207.2	178.3	161.1	151.8	149.7
1679.1	35°	1624.5	1538.1	913.2	442.1	249.2	183.3	153.5	135.9	128.8	130.0
1827.1	37.5°	1771.4	1651.8	904.3	427.0	232.0	161.5	132.1	116.6	110.3	110.7
2007.1	40°	1942.1	1783.1	898.9	398.5	213.1	141.4	114.5	101.9	97.3	95.6
2196.7	42.5°	2124.1	1910.2	899.7	366.2	189.6	123.3	102.3	91.9	87.7	86.4
2407.7	45°	2307.0	2031.4	901.0	332.6	164.8	109.5	93.5	84.7	82.2	80.5
2621.6	47.5°	2479.0	2134.6	877.5	296.6	140.5	99.0	86.4	80.5	78.4	76.3
2836.4	50°	2639.2	2203.4	820.9	254.6	121.2	90.6	81.0	76.8	74.7	72.6
3031.0	52.5°	2763.8	2214.3	727.3	211.4	107.8	84.3	77.6	73.8	71.3	69.2
3188.3	55°	2819.2	2145.9	594.4	171.1	97.3	78.9	74.2	70.5	67.5	65.4
3312.0	57.5°	2804.9	2002.1	463.5	137.6	87.2	73.4	70.0	67.5	64.2	60.8
3412.3	60°	2734.8	1809.5	349.4	114.5	78.0	67.5	65.4	63.3	58.7	53.7
3450.9	62.5°	2613.6	1567.5	249.2	94.8	68.0	60.8	60.0	58.3	51.6	42.4
3393.8	65°	2428.2	1273.5	167.8	78.9	58.3	53.3	53.7	50.8	41.9	31.5
3184.9	67.5°	2157.3	931.2	107.4	64.6	48.7	44.5	44.9	43.2	35.7	26.8
2789.0	70°	1812.0	616.6	70.0	49.1	39.0	34.4	36.9	37.3	30.2	21.8
2140.5	72.5°	1328.4	364.1	49.1	36.5	28.5	23.9	30.2	31.0	24.3	16.4
1287.7	75°	757.1	172.8	36.9	26.4	17.6	16.8	23.5	23.5	16.8	10.9
557.5	77.5°	317.9	72.1	26.0	17.2	10.1	9.6	15.9	14.7	8.4	5.0
135.9	80°	91.9	32.3	13.8	8.4	4.2	3.8	6.3	4.6	2.1	0.8
51.6	82.5°	36.1	14.3	5.5	3.4	1.7	1.7	0.8	0.0	0.0	0.0
29.4	85°	21.4	5.9	2.5	1.3	0.4	0.0	0.0	0.0	0.0	0.0
6.3	87.5°	5.5	1.3	0.8	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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180°
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727.8
722.7
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373.7
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151.0
130.0
112.4
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