

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: P847147

Luminaire Tested: **GLAN-SB3A-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847147
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-SB3A-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 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: 8740 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

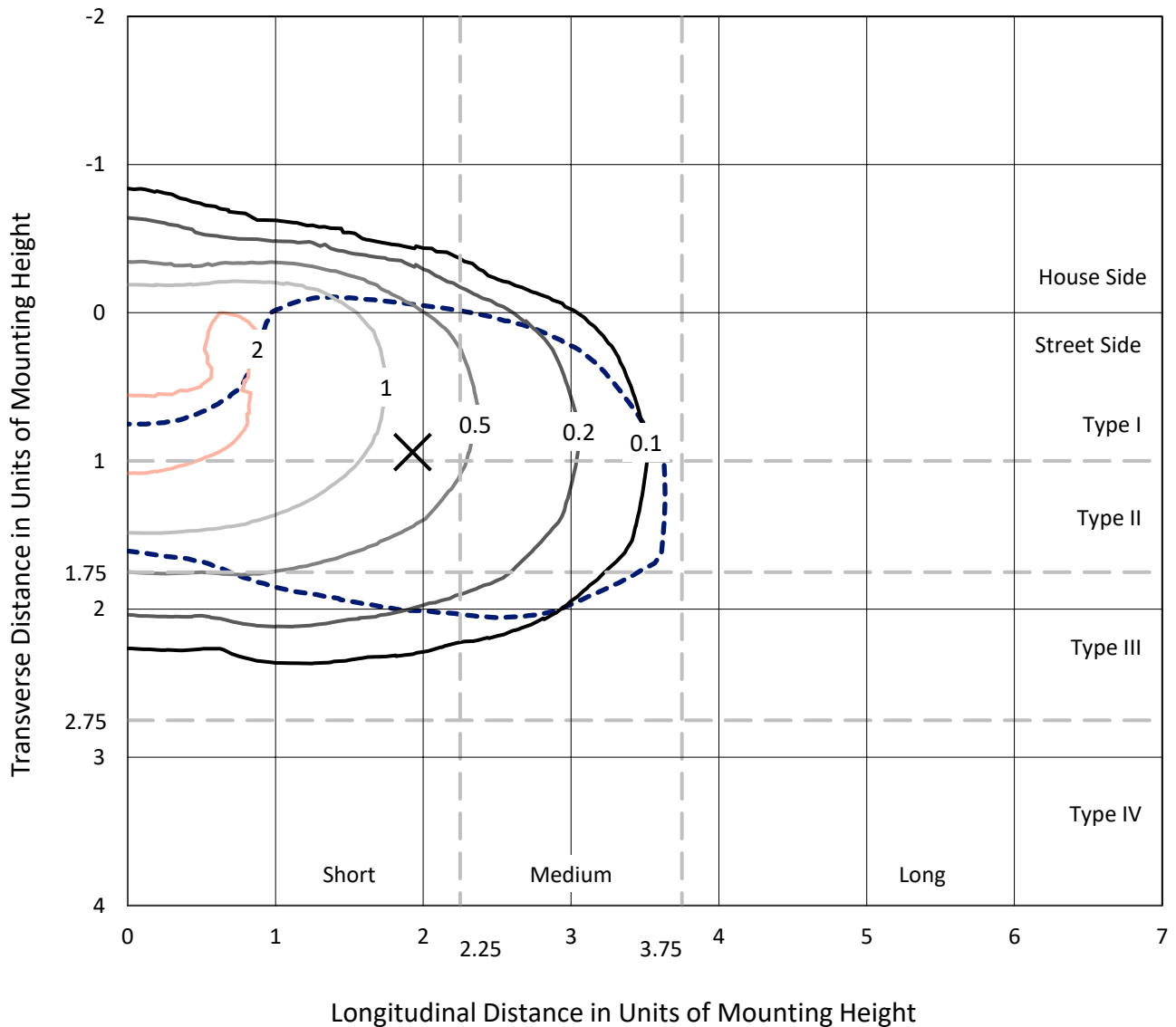
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

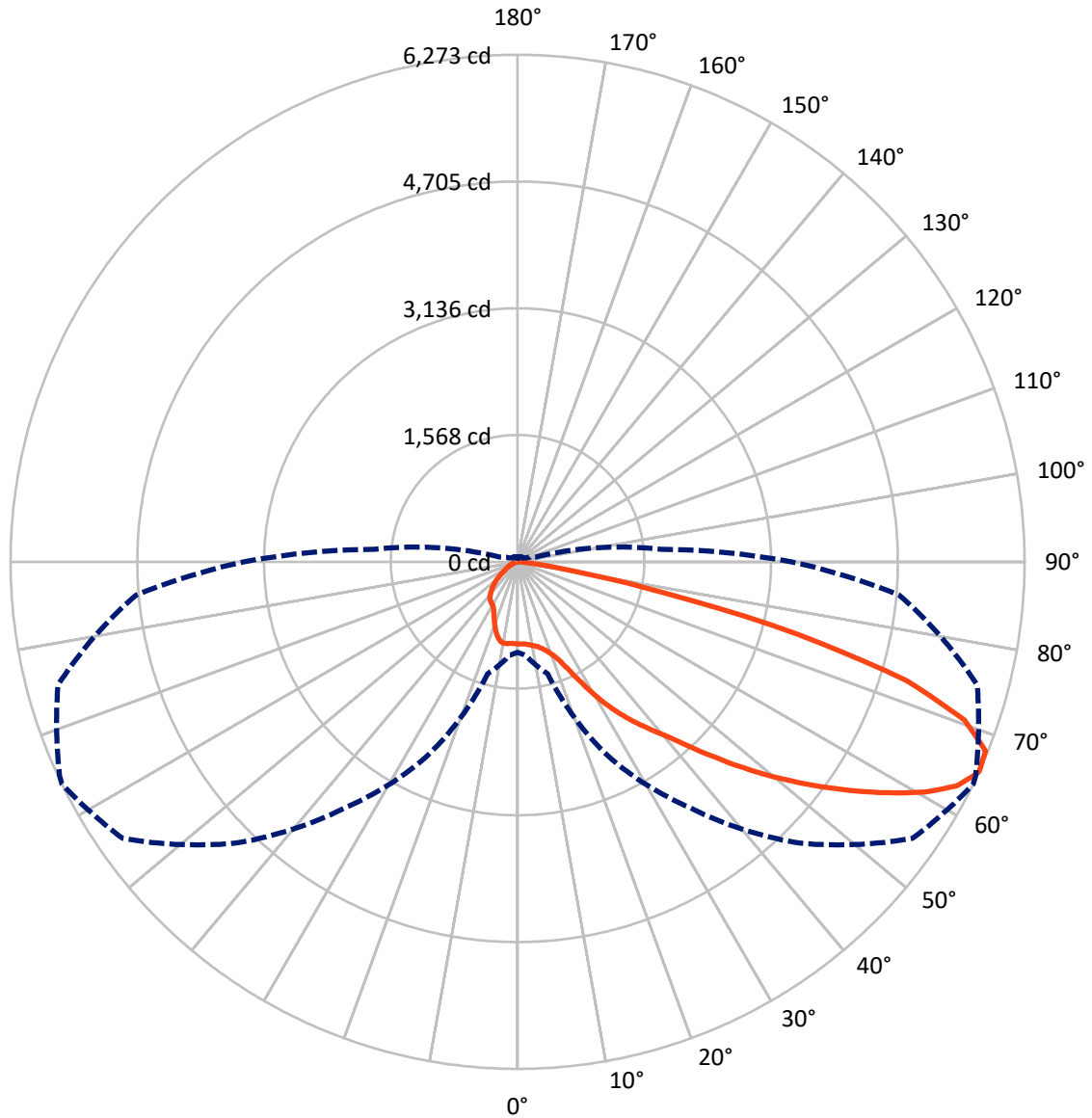
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	1168.8	0.0	1168.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7571.2	0.0	7571.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	8740.0	0.0	8740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	1.1
10°-20°	254.4	2.9
20°-30°	482.0	5.5
30°-40°	975.4	11.2
40°-50°	1661.6	19.0
50°-60°	2259.6	25.9
60°-70°	2121.9	24.3
70°-80°	850.1	9.7
80°-90°	41.2	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°	8740.0	100.0
0°-180°	8740.0	100.0

Coefficient of Utilization



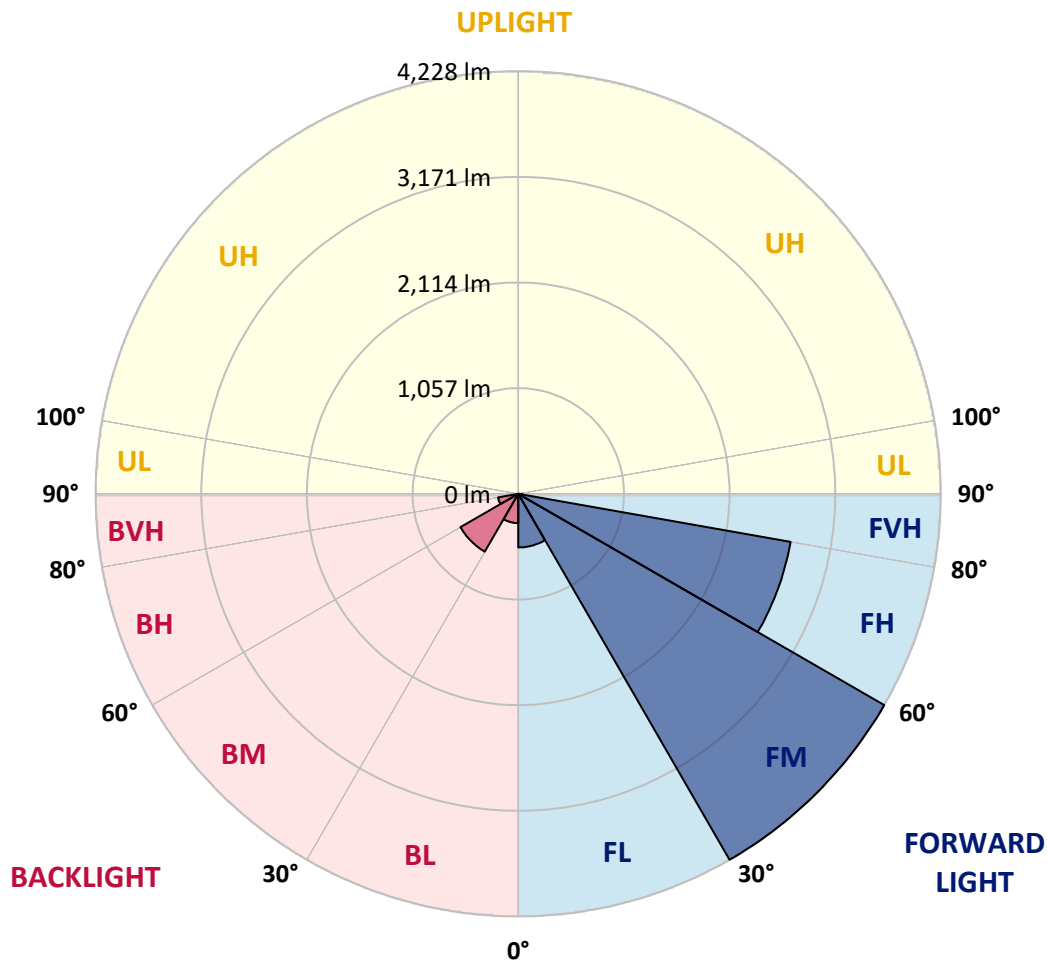
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.7	6.1			
FM (30°-60°)	4228.4	48.4			
FH (60°-80°)	2766.9	31.7			G2/5000
FVH (80°-90°)	39.2	0.4			G1/100
BL (0°-30°)	293.5	3.4	B1/500		
BM (30°-60°)	668.2	7.6	B1/1000		
BH (60°-80°)	205.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	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°	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6
2.5°	1013.0	1020.1	1018.3	1016.6	1016.0	1017.1	1017.7	1017.1	1017.1	1017.1
5°	993.7	999.6	999.6	1003.7	1009.5	1016.6	1021.8	1023.0	1024.2	1025.9
7.5°	956.8	961.5	965.0	978.5	993.1	1011.9	1027.7	1035.9	1037.1	1043.5
10°	931.6	937.5	943.3	957.4	978.5	1006.6	1033.5	1053.5	1056.4	1071.6
12.5°	930.4	936.3	943.9	959.1	983.7	1013.6	1046.4	1075.1	1080.4	1102.7
15°	942.7	949.8	956.8	975.5	1001.9	1038.2	1073.4	1109.1	1114.4	1146.0
17.5°	967.9	977.3	982.6	1001.3	1029.4	1069.9	1116.2	1157.2	1161.9	1198.8
20°	1017.7	1028.9	1030.6	1045.8	1073.4	1116.7	1171.8	1222.8	1228.7	1270.8
22.5°	1120.8	1136.7	1122.6	1130.2	1154.8	1198.2	1257.9	1322.4	1330.6	1378.6
25°	1302.5	1324.7	1288.4	1275.5	1286.1	1331.2	1406.2	1487.6	1497.0	1535.7
27.5°	1659.3	1630.6	1575.5	1521.6	1490.0	1515.7	1600.1	1700.9	1712.6	1750.1
30°	2051.3	2026.1	1951.7	1832.1	1757.1	1753.0	1831.0	1943.5	1956.9	1992.7
32.5°	2443.8	2419.8	2339.0	2191.9	2061.8	1997.4	2051.3	2176.1	2183.1	2205.9
35°	2829.9	2805.3	2724.5	2573.9	2413.9	2267.5	2256.9	2397.5	2399.9	2423.9
37.5°	3218.4	3197.9	3111.8	2964.1	2806.5	2604.4	2506.5	2607.3	2610.2	2633.7
40°	3495.5	3504.3	3445.1	3330.9	3195.5	2974.7	2786.6	2830.5	2813.0	2852.2
42.5°	3733.4	3751.0	3699.4	3642.0	3563.5	3369.0	3133.4	3125.8	3097.7	3118.8
45°	3939.1	3953.7	3907.4	3894.0	3892.2	3755.7	3512.5	3466.8	3427.6	3423.5
47.5°	4014.7	4042.8	4062.7	4107.8	4195.7	4138.3	3904.5	3833.6	3789.7	3757.4
50°	4043.4	4073.2	4141.2	4272.5	4480.4	4505.1	4294.7	4215.0	4161.1	4102.5
52.5°	4004.7	4058.0	4149.4	4370.3	4672.0	4799.2	4669.1	4599.4	4537.9	4442.4
55°	3776.8	3830.1	4017.0	4369.1	4767.5	5005.4	5023.0	4991.9	4922.8	4772.2
57.5°	3296.3	3375.4	3671.3	4220.3	4765.8	5183.0	5369.9	5392.1	5314.8	5099.2
60°	2630.7	2738.0	3098.9	3890.4	4618.7	5279.0	5673.9	5785.3	5703.2	5421.4
62.5°	1835.7	1959.9	2301.5	3373.7	4282.4	5209.9	5896.0	6101.7	6039.6	5709.7
65°	1119.7	1159.5	1434.9	2654.8	3710.6	4920.5	5964.6	6272.7	6252.2	5886.0
67.5°	745.9	779.3	858.4	1820.4	2880.3	4342.2	5800.5	6242.9	6248.7	5857.3
70°	449.4	478.1	529.7	1058.7	1866.7	3436.9	5292.5	5862.0	5896.0	5473.6
72.5°	185.1	204.5	251.4	479.9	966.8	2181.3	4214.4	5033.0	5112.1	4602.3
75°	104.9	114.8	147.6	240.8	419.5	1016.6	2552.8	3572.9	3689.5	3172.1
77.5°	69.7	74.4	95.5	155.9	236.1	346.9	1091.0	1861.4	2084.1	1732.5
80°	46.9	51.0	65.6	104.3	153.5	148.8	347.4	689.6	848.4	595.3
82.5°	31.6	32.2	46.9	68.6	97.3	72.1	102.5	214.4	269.5	172.3
85°	18.2	17.6	34.6	39.8	43.4	29.9	31.1	64.5	84.4	72.7
87.5°	2.3	3.5	13.5	10.5	5.9	6.4	6.4	11.1	16.4	17.6
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°
1016.6	0°	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6	1016.6
1017.7	2.5°	1017.7	1017.1	1015.4	1013.6	1009.5	1007.2	1008.4	1007.2	1006.6	1007.2
1025.3	5°	1025.3	1023.6	1018.9	1013.0	1004.8	994.9	988.4	979.1	970.3	965.0
1045.8	7.5°	1045.8	1044.1	1037.6	1021.2	994.9	953.3	915.2	881.8	856.6	842.0
1078.7	10°	1078.7	1075.7	1065.8	1029.4	960.3	869.5	793.9	731.2	690.2	670.9
1117.3	12.5°	1117.3	1113.8	1096.2	1021.8	894.7	752.9	648.6	578.9	540.8	523.8
1161.9	15°	1163.0	1158.3	1123.8	985.5	799.2	624.0	528.5	476.3	451.7	436.5
1218.7	17.5°	1219.9	1211.7	1144.3	931.0	695.5	525.6	454.7	415.4	393.7	379.1
1293.1	20°	1293.7	1280.2	1160.7	866.0	600.0	463.5	404.9	372.1	355.6	342.8
1398.6	22.5°	1396.8	1377.5	1180.6	795.7	532.6	420.7	368.0	343.9	330.5	315.8
1545.6	25°	1524.5	1501.7	1205.2	730.6	486.3	383.8	341.0	321.1	305.3	288.3
1738.4	27.5°	1703.2	1662.2	1234.5	677.3	446.5	352.1	316.4	294.1	276.0	261.9
1956.9	30°	1902.4	1835.1	1260.3	645.1	410.1	322.8	284.2	261.9	244.9	234.9
2153.2	32.5°	2091.1	1999.7	1277.3	631.0	377.3	289.4	249.0	225.0	212.1	209.2
2345.4	35°	2269.2	2148.5	1275.5	617.5	348.0	256.0	214.4	189.8	179.9	181.6
2552.2	37.5°	2474.3	2307.3	1263.2	596.5	324.0	225.6	184.6	162.9	154.1	154.7
2803.6	40°	2712.8	2490.7	1255.6	556.6	297.6	197.5	160.0	142.4	135.9	133.6
3068.4	42.5°	2967.0	2668.2	1256.8	511.5	264.8	172.3	143.0	128.3	122.5	120.7
3363.1	45°	3222.5	2837.6	1258.5	464.6	230.3	152.9	130.7	118.4	114.8	112.5
3661.9	47.5°	3462.7	2981.7	1225.7	414.2	196.3	138.3	120.7	112.5	109.6	106.6
3961.9	50°	3686.5	3077.8	1146.6	355.6	169.3	126.6	113.1	107.2	104.3	101.4
4233.8	52.5°	3860.6	3093.0	1016.0	295.3	150.6	117.8	108.4	103.1	99.6	96.7
4453.5	55°	3937.9	2997.5	830.2	239.1	135.9	110.2	103.7	98.4	94.3	91.4
4626.3	57.5°	3918.0	2796.5	647.4	192.2	121.9	102.5	97.8	94.3	89.6	85.0
4766.4	60°	3820.1	2527.6	488.1	160.0	109.0	94.3	91.4	88.5	82.0	75.0
4820.3	62.5°	3650.8	2189.5	348.0	132.4	94.9	85.0	83.8	81.4	72.1	59.2
4740.6	65°	3391.8	1778.8	234.4	110.2	81.4	74.4	75.0	70.9	58.6	43.9
4448.8	67.5°	3013.3	1300.7	150.0	90.2	68.0	62.1	62.7	60.3	49.8	37.5
3895.7	70°	2531.1	861.3	97.8	68.6	54.5	48.0	51.6	52.1	42.2	30.5
2989.9	72.5°	1855.6	508.6	68.6	51.0	39.8	33.4	42.2	43.4	34.0	22.9
1798.7	75°	1057.6	241.4	51.6	36.9	24.6	23.4	32.8	32.8	23.4	15.2
778.7	77.5°	444.1	100.8	36.3	24.0	14.1	13.5	22.3	20.5	11.7	7.0
189.8	80°	128.3	45.1	19.3	11.7	5.9	5.3	8.8	6.4	2.9	1.2
72.1	82.5°	50.4	19.9	7.6	4.7	2.3	2.3	1.2	0.0	0.0	0.0
41.0	85°	29.9	8.2	3.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0
8.8	87.5°	7.6	1.8	1.2	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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1016.6
1009.5
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669.1
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437.1
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340.4
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259.0
233.2
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133.0
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