

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: P846312

Luminaire Tested: **GLAN-SB1D-850-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-850-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6101 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

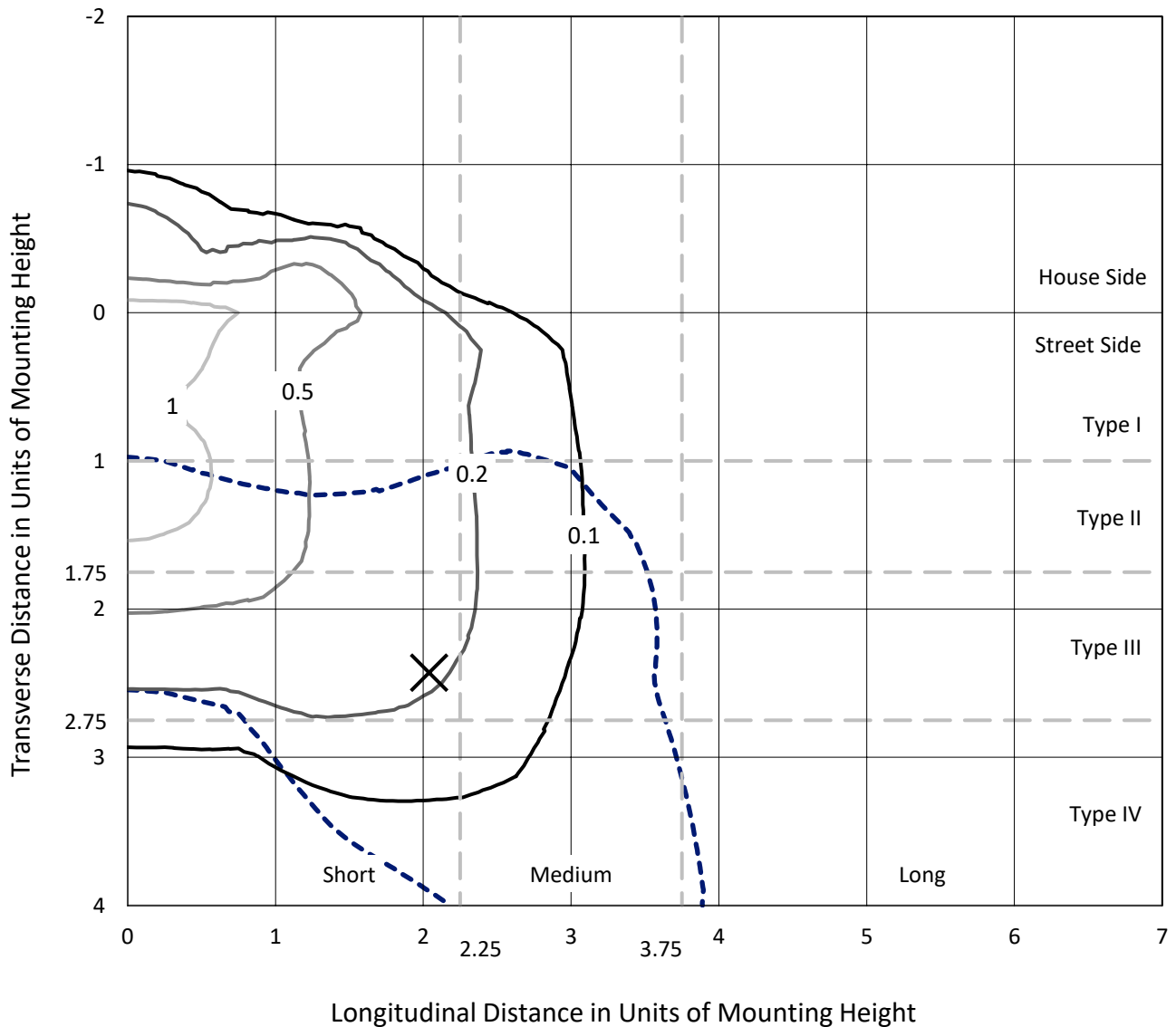
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

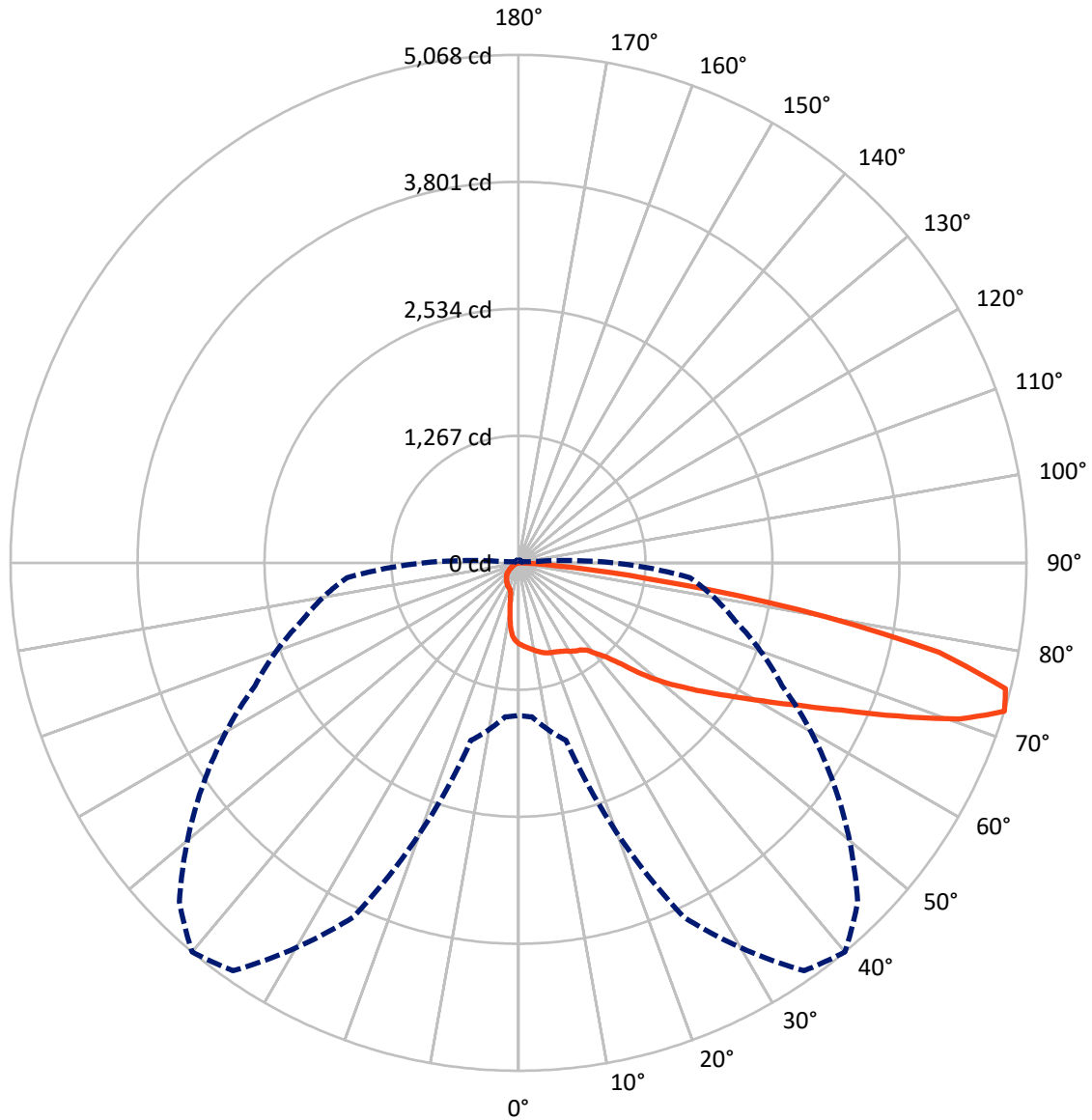
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.9	0.0	787.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5313.1	0.0	5313.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	6101.0	0.0	6101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.2
10°-20°	200.3	3.3
20°-30°	324.2	5.3
30°-40°	478.6	7.8
40°-50°	805.5	13.2
50°-60°	1250.7	20.5
60°-70°	1565.0	25.7
70°-80°	1281.3	21.0
80°-90°	121.5	2.0
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°	6101.0	100.0
0°-180°	6101.0	100.0

Coefficient of Utilization

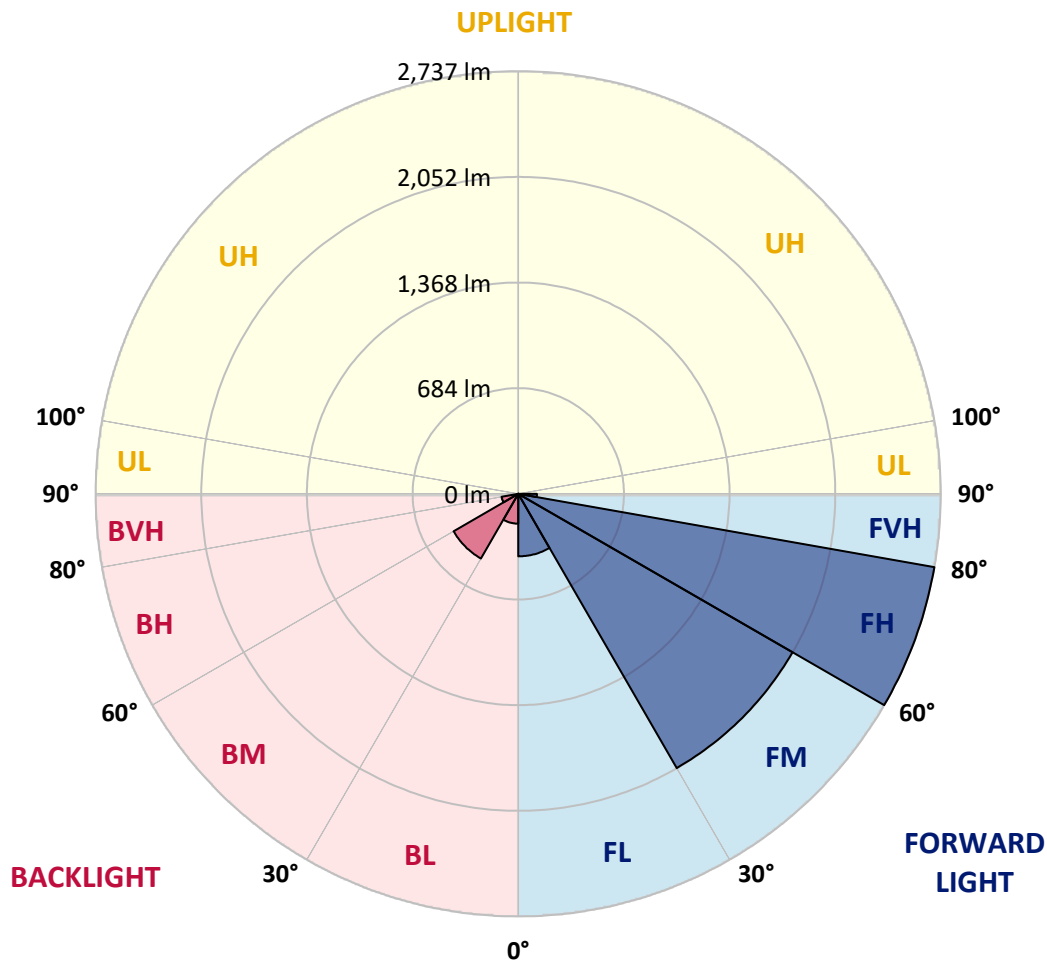


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.9	6.6			
FM (30°-60°)	2051.1	33.6			
FH (60°-80°)	2736.6	44.9			G2/5000
FVH (80°-90°)	120.6	2.0			G2/225
BL (0°-30°)	193.4	3.2	B1/500		
BM (30°-60°)	483.8	7.9	B1/1000		
BH (60°-80°)	109.8	1.8	B0/110		G0/110
BVH (80°-90°)	0.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8
2.5°	832.2	835.4	833.6	829.9	829.0	827.1	824.8	823.9	820.7	817.9
5°	855.6	858.8	856.5	851.5	849.2	846.9	843.7	840.9	834.5	828.5
7.5°	881.3	884.1	881.3	874.0	870.3	867.6	863.0	858.8	851.5	842.7
10°	909.8	912.1	908.0	898.3	892.4	888.2	884.1	879.5	872.6	863.0
12.5°	936.5	939.2	932.8	921.3	914.4	910.3	905.7	902.0	895.1	885.9
15°	960.8	965.0	953.9	941.5	933.7	930.5	925.9	923.6	919.0	912.6
17.5°	979.2	982.0	970.5	955.8	947.1	944.8	941.5	942.9	942.0	938.8
20°	994.8	996.7	981.5	963.6	953.9	954.4	953.5	958.1	959.9	959.9
22.5°	1014.1	1014.6	995.3	972.8	961.3	964.5	965.9	970.9	974.6	978.3
25°	1039.4	1038.5	1015.5	984.7	974.6	979.2	982.4	984.3	988.4	994.4
27.5°	1077.1	1074.3	1044.9	1004.0	992.1	996.2	1002.2	1001.3	999.4	1004.0
30°	1124.9	1121.2	1082.2	1031.1	1020.1	1023.8	1025.6	1017.4	1004.0	1008.2
32.5°	1200.7	1194.3	1140.0	1061.5	1044.5	1048.6	1046.3	1029.3	1009.5	1013.7
35°	1332.6	1317.0	1240.2	1124.9	1072.0	1067.4	1061.9	1045.4	1021.0	1016.9
37.5°	1612.9	1585.3	1454.4	1248.5	1134.5	1104.7	1087.7	1071.1	1033.4	1016.9
40°	1929.0	1901.0	1749.8	1455.3	1238.4	1187.8	1147.4	1101.4	1046.3	1022.9
42.5°	2259.0	2228.2	2072.9	1711.7	1386.8	1283.0	1207.6	1125.8	1067.4	1041.3
45°	2627.5	2588.9	2385.8	1979.1	1602.3	1441.0	1304.6	1175.9	1104.2	1073.9
47.5°	3016.2	2966.1	2697.8	2238.7	1834.4	1659.8	1481.9	1265.5	1158.4	1122.6
50°	3360.9	3311.2	3019.9	2510.3	2051.3	1867.9	1684.1	1389.6	1239.8	1191.5
52.5°	3608.5	3570.9	3313.1	2790.6	2276.9	2063.2	1867.5	1533.9	1342.7	1279.7
55°	3774.4	3740.0	3520.8	3056.2	2539.3	2278.3	2048.0	1690.5	1466.8	1385.4
57.5°	3875.1	3855.3	3671.0	3293.3	2799.3	2513.5	2254.8	1862.9	1612.9	1510.0
60°	3910.9	3894.8	3764.3	3519.4	3113.7	2796.1	2497.9	2057.2	1790.3	1651.5
62.5°	3815.3	3818.5	3831.4	3787.3	3445.0	3127.0	2789.2	2290.7	1986.9	1811.9
65°	3365.5	3392.1	3636.6	4084.1	3883.8	3541.5	3160.1	2575.6	2212.1	1994.3
67.5°	2786.5	2825.1	3129.3	4257.8	4351.6	4079.5	3676.6	2938.6	2480.4	2179.9
70°	2133.1	2174.4	2542.9	4221.5	4789.5	4667.7	4315.3	3400.4	2758.4	2308.6
72.5°	1522.4	1543.5	1833.9	3898.5	4969.2	5068.4	4785.8	3837.8	2900.4	2237.4
75°	1069.7	1066.1	1258.6	3139.4	4689.3	5019.7	4620.9	3601.2	2624.7	1777.4
77.5°	465.9	466.9	628.6	1906.5	3742.7	4287.2	3841.1	2255.7	1829.8	942.0
80°	120.9	124.5	230.7	759.1	2253.4	2829.7	2342.6	991.6	845.5	229.8
82.5°	42.7	45.5	106.1	238.5	831.3	1297.7	1043.1	317.1	220.6	65.7
85°	12.4	14.7	57.0	73.1	171.9	366.7	253.2	61.6	54.2	34.0
87.5°	0.0	1.8	11.5	10.1	10.1	6.9	12.9	6.9	8.7	4.1
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°
807.8	0°	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8
814.7	2.5°	812.0	808.7	801.8	794.5	787.6	781.2	779.3	772.4	769.2	769.7
821.1	5°	816.1	810.1	796.8	780.7	764.2	745.3	729.7	707.6	688.8	686.5
833.6	7.5°	827.1	817.5	795.9	764.6	723.3	671.3	623.1	575.3	548.2	533.5
851.9	10°	844.1	831.3	798.2	738.4	650.7	557.8	484.8	424.6	393.8	379.6
874.5	12.5°	864.3	850.1	801.8	693.9	556.9	435.2	356.1	319.4	312.9	312.0
902.0	15°	892.8	877.2	806.0	633.7	455.4	331.3	295.0	295.5	300.5	303.3
931.9	17.5°	924.5	908.9	800.0	560.1	355.2	283.1	282.1	286.3	293.6	296.4
959.5	20°	956.7	942.0	778.9	473.8	287.2	269.7	273.4	278.0	285.4	289.0
986.6	22.5°	989.8	976.9	745.3	381.9	259.2	260.1	264.7	269.3	277.5	281.7
1013.2	25°	1025.2	1014.1	700.8	306.0	247.2	250.0	255.9	261.5	270.2	275.2
1035.7	27.5°	1061.0	1052.7	650.2	255.5	236.2	239.4	246.3	253.7	262.4	268.4
1055.5	30°	1100.1	1095.5	609.8	236.6	225.6	228.4	236.2	244.5	254.1	261.5
1075.3	32.5°	1140.0	1139.1	590.0	250.4	216.0	217.8	224.7	233.0	244.9	254.1
1091.8	35°	1179.6	1181.4	578.5	289.5	212.8	207.7	212.3	219.6	233.9	245.4
1110.6	37.5°	1230.1	1234.7	578.1	331.8	220.6	197.6	200.8	205.9	218.3	231.6
1140.0	40°	1305.5	1329.8	607.5	368.1	234.4	188.4	189.3	190.2	196.7	207.7
1179.1	42.5°	1405.6	1476.9	713.6	392.9	239.9	180.1	176.9	171.9	170.9	176.9
1232.4	45°	1530.2	1654.7	900.2	406.7	234.4	170.9	162.2	148.9	143.8	148.0
1304.6	47.5°	1676.8	1849.5	1121.2	409.9	225.2	159.5	143.8	126.4	122.2	123.6
1401.5	50°	1819.7	1995.7	1315.6	383.2	210.0	144.7	123.6	108.9	106.1	106.6
1515.9	52.5°	1946.0	2045.7	1370.7	320.3	189.8	126.8	106.1	96.0	94.2	94.2
1642.3	55°	2029.7	1991.5	1222.3	244.9	164.5	108.4	91.0	85.9	85.0	84.6
1783.4	57.5°	2047.1	1815.1	923.2	176.9	128.7	91.4	80.9	78.1	76.3	74.4
1928.1	60°	1984.6	1521.0	587.7	123.6	96.5	78.1	71.7	69.8	66.2	62.5
2064.1	62.5°	1849.5	1148.8	325.3	85.9	77.7	66.6	63.4	61.1	54.2	48.2
2172.1	65°	1668.0	763.7	143.8	67.1	63.4	56.1	54.2	51.0	42.7	35.8
2213.0	67.5°	1485.6	439.8	64.8	53.8	51.0	46.0	44.6	42.3	36.3	29.9
2108.7	70°	1277.4	222.9	44.6	42.7	39.5	34.9	36.3	35.8	29.9	24.4
1720.0	72.5°	951.2	110.7	33.5	32.2	28.5	24.8	29.9	29.4	23.4	18.4
1060.6	75°	538.5	54.7	24.4	22.5	17.0	18.4	23.9	22.5	16.1	11.9
447.6	77.5°	213.7	28.0	16.1	13.8	10.1	12.4	17.5	15.2	8.3	5.1
85.5	80°	49.2	13.8	8.3	6.0	4.6	7.4	9.2	5.5	2.3	0.5
23.0	82.5°	13.8	6.0	2.8	2.3	2.3	2.8	2.3	0.9	0.0	0.0
6.0	85°	4.6	2.8	0.9	0.5	0.5	0.5	0.5	0.0	0.0	0.0
1.8	87.5°	1.8	0.9	0.0	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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807.8
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