

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: P846292

Luminaire Tested: **GLAN-SB1D-835-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846292
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-835-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 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: 5883 lumens
Efficiency: N/A
Efficacy: 73.9 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

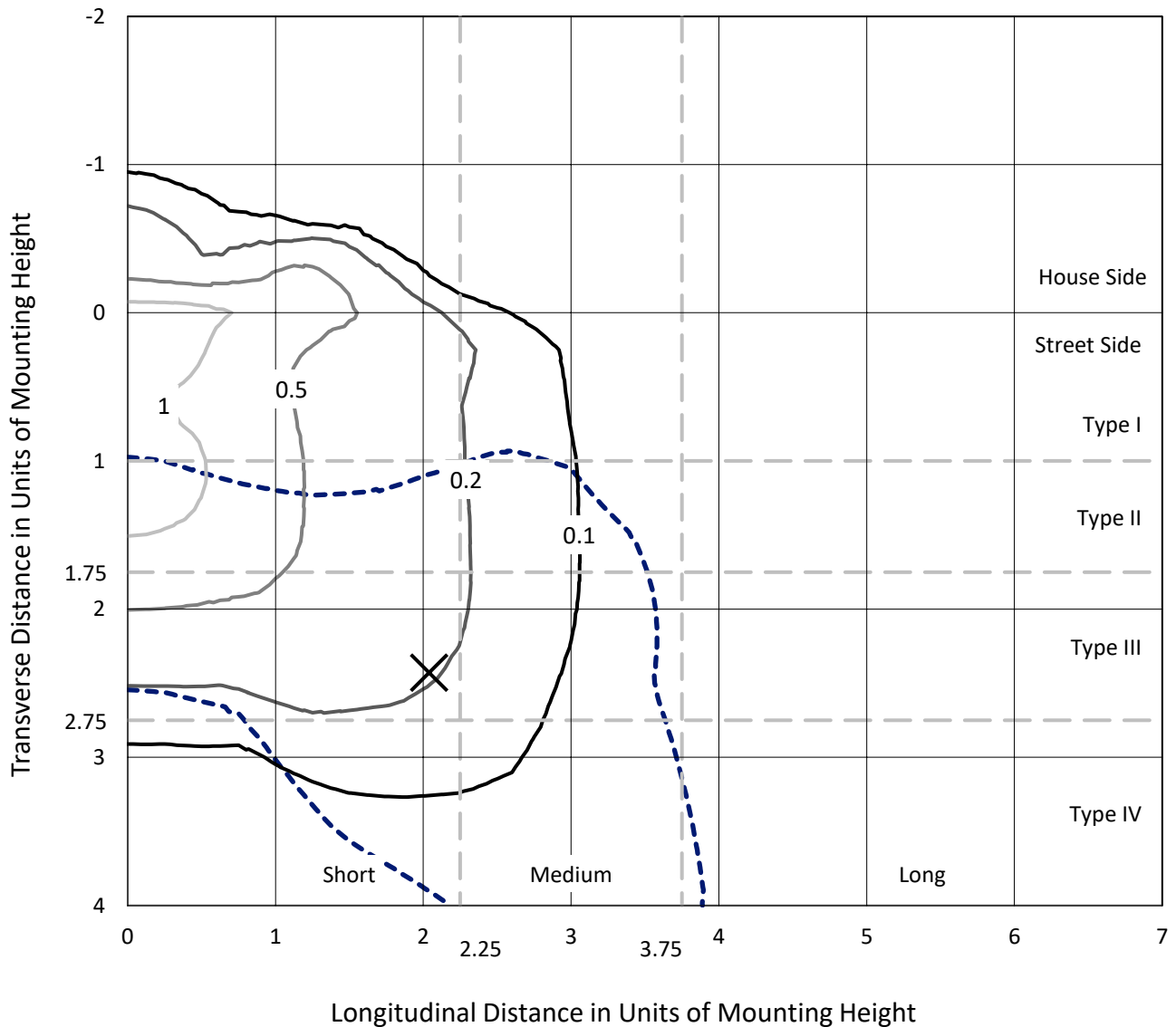
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

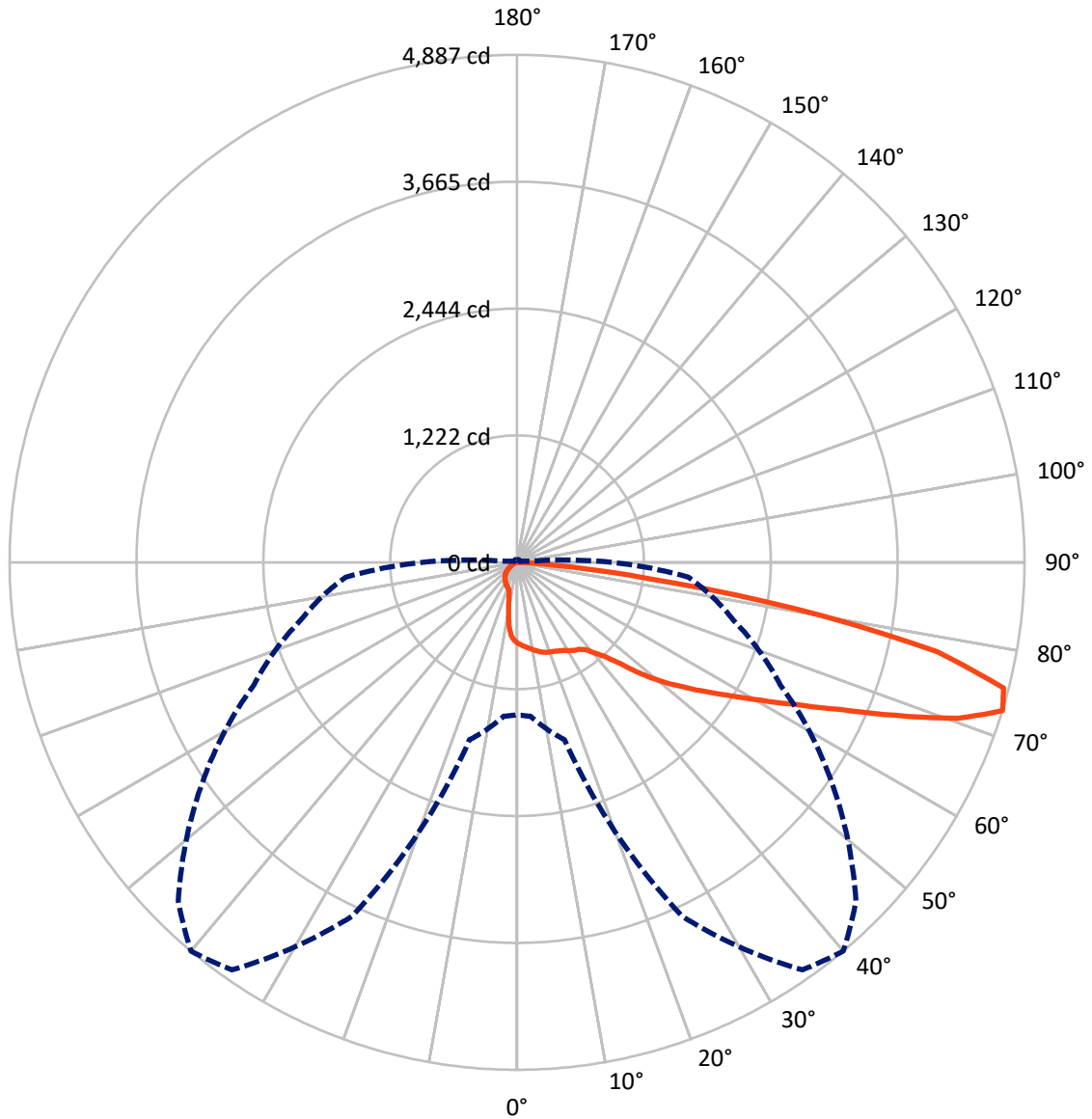
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	759.7	0.0	759.7
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5123.3	0.0	5123.3
	% Fixture	87.1	0.0	87.1
Total	Lumens	5883.0	0.0	5883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.2
10°-20°	193.2	3.3
20°-30°	312.6	5.3
30°-40°	461.5	7.8
40°-50°	776.7	13.2
50°-60°	1206.0	20.5
60°-70°	1509.1	25.7
70°-80°	1235.5	21.0
80°-90°	117.2	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°	5883.0	100.0
0°-180°	5883.0	100.0

Coefficient of Utilization



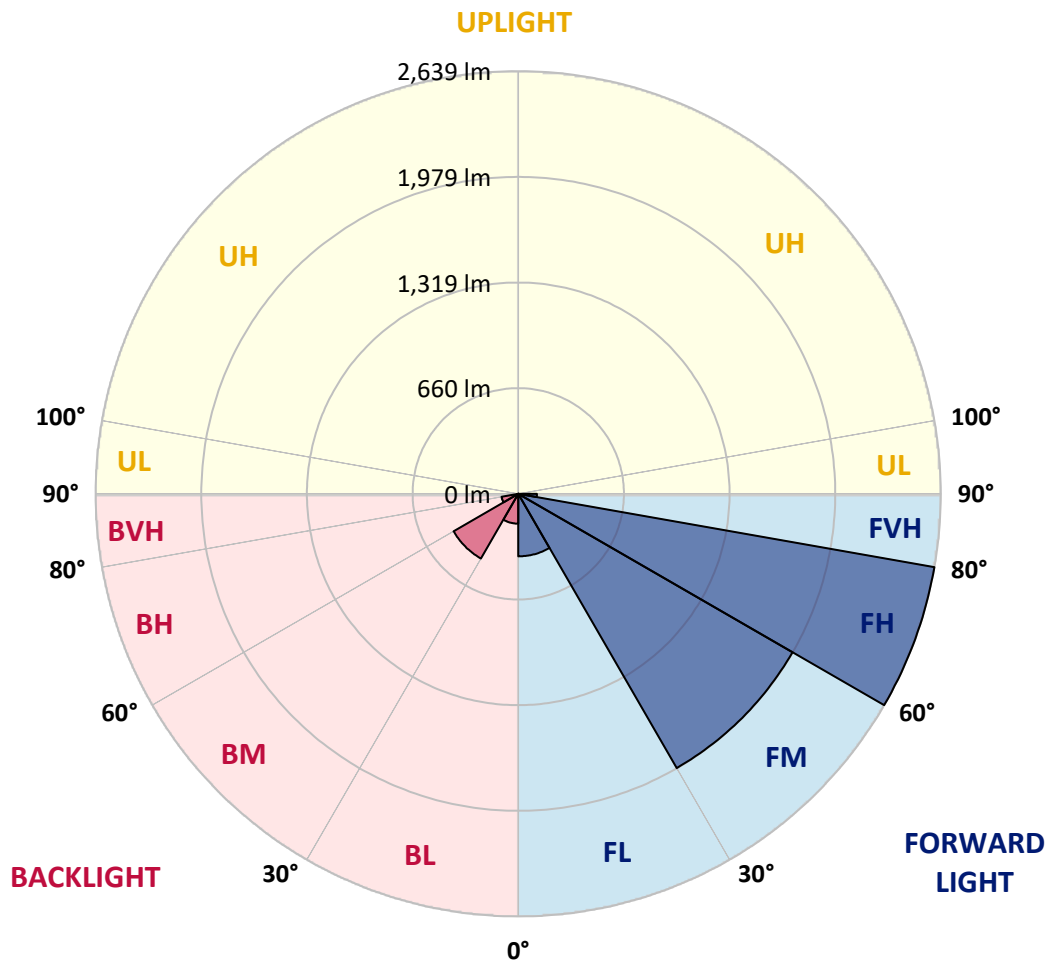
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.5	6.6			
FM (30°-60°)	1977.8	33.6			
FH (60°-80°)	2638.8	44.9			G2/5000
FVH (80°-90°)	116.3	2.0			G2/225
BL (0°-30°)	186.5	3.2	B1/500		
BM (30°-60°)	466.5	7.9	B1/1000		
BH (60°-80°)	105.8	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°	779.0	779.0	779.0	779.0	779.0	779.0	779.0	779.0	779.0	779.0
2.5°	802.4	805.5	803.8	800.2	799.3	797.6	795.4	794.5	791.4	788.7
5°	825.0	828.1	825.9	821.1	818.8	816.6	813.5	810.9	804.7	798.9
7.5°	849.9	852.5	849.9	842.8	839.2	836.6	832.1	828.1	821.1	812.6
10°	877.3	879.5	875.6	866.2	860.5	856.5	852.5	848.1	841.4	832.1
12.5°	903.0	905.7	899.5	888.4	881.8	877.8	873.3	869.8	863.1	854.3
15°	926.5	930.5	919.9	907.9	900.4	897.3	892.8	890.6	886.2	880.0
17.5°	944.2	946.9	935.8	921.6	913.2	911.0	907.9	909.2	908.3	905.2
20°	959.3	961.1	946.4	929.2	919.9	920.3	919.4	923.8	925.6	925.6
22.5°	977.9	978.3	959.7	938.0	926.9	930.1	931.4	936.3	939.8	943.3
25°	1002.3	1001.4	979.2	949.5	939.8	944.2	947.3	949.1	953.1	958.9
27.5°	1038.6	1036.0	1007.6	968.2	956.6	960.6	966.4	965.5	963.7	968.2
30°	1084.7	1081.1	1043.5	994.3	983.7	987.2	989.0	981.0	968.2	972.1
32.5°	1157.8	1151.6	1099.3	1023.5	1007.1	1011.1	1008.9	992.5	973.5	977.5
35°	1285.0	1269.9	1195.9	1084.7	1033.7	1029.3	1024.0	1008.0	984.6	980.6
37.5°	1555.3	1528.7	1402.4	1203.9	1094.0	1065.2	1048.8	1032.8	996.5	980.6
40°	1860.1	1833.1	1687.3	1403.3	1194.1	1145.4	1106.4	1062.1	1008.9	986.3
42.5°	2178.2	2148.6	1998.8	1650.5	1337.3	1237.1	1164.4	1085.6	1029.3	1004.0
45°	2533.6	2496.4	2300.5	1908.4	1545.1	1389.5	1257.9	1133.9	1064.8	1035.5
47.5°	2908.5	2860.2	2601.4	2158.7	1768.8	1600.5	1429.0	1220.3	1117.0	1082.5
50°	3240.8	3192.9	2912.0	2420.6	1978.0	1801.2	1623.9	1339.9	1195.5	1148.9
52.5°	3479.6	3443.3	3194.7	2690.9	2195.5	1989.5	1800.7	1479.0	1294.7	1234.0
55°	3639.6	3606.3	3395.0	2947.0	2448.5	2196.9	1974.9	1630.1	1414.4	1335.9
57.5°	3736.6	3717.5	3539.9	3175.6	2699.3	2423.7	2174.3	1796.3	1555.3	1456.0
60°	3771.2	3755.7	3629.8	3393.6	3002.4	2696.2	2408.7	1983.7	1726.3	1592.5
62.5°	3679.0	3682.1	3694.5	3652.0	3321.9	3015.2	2689.6	2208.8	1915.9	1747.1
65°	3245.2	3270.9	3506.6	3938.2	3745.0	3414.9	3047.1	2483.5	2133.0	1923.0
67.5°	2686.9	2724.1	3017.5	4105.7	4196.1	3933.8	3545.2	2833.6	2391.8	2102.0
70°	2056.8	2096.7	2452.1	4070.7	4618.4	4500.9	4161.1	3278.9	2659.9	2226.1
72.5°	1468.0	1488.3	1768.4	3759.2	4791.6	4887.3	4614.8	3700.7	2796.8	2157.4
75°	1031.5	1028.0	1213.6	3027.2	4521.8	4840.3	4455.7	3472.5	2530.9	1713.9
77.5°	449.3	450.2	606.2	1838.4	3609.0	4134.1	3703.8	2175.1	1764.4	908.3
80°	116.5	120.1	222.4	732.0	2172.9	2728.6	2258.9	956.2	815.3	221.5
82.5°	41.2	43.9	102.4	230.0	801.6	1251.3	1005.8	305.7	212.7	63.4
85°	12.0	14.2	54.9	70.5	165.7	353.6	244.1	59.4	52.3	32.8
87.5°	0.0	1.8	11.1	9.7	9.7	6.6	12.4	6.6	8.4	4.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
779.0	0°	779.0	779.0	779.0	779.0	779.0	779.0	779.0	779.0	779.0	779.0
785.6	2.5°	782.9	779.8	773.2	766.1	759.5	753.3	751.5	744.8	741.7	742.2
791.8	5°	786.9	781.2	768.3	752.8	736.9	718.7	703.6	682.4	664.2	662.0
803.8	7.5°	797.6	788.3	767.4	737.3	697.4	647.4	600.8	554.8	528.6	514.4
821.5	10°	814.0	801.6	769.7	712.0	627.4	537.9	467.5	409.4	379.7	366.0
843.2	12.5°	833.5	819.7	773.2	669.1	537.0	419.6	343.4	307.9	301.7	300.9
869.8	15°	860.9	845.9	777.2	611.0	439.1	319.5	284.5	284.9	289.8	292.4
898.6	17.5°	891.5	876.4	771.4	540.1	342.5	272.9	272.1	276.0	283.1	285.8
925.2	20°	922.5	908.3	751.0	456.8	276.9	260.1	263.6	268.1	275.2	278.7
951.3	22.5°	954.4	942.0	718.7	368.2	249.9	250.8	255.2	259.7	267.6	271.6
977.0	25°	988.5	977.9	675.7	295.1	238.4	241.0	246.8	252.1	260.5	265.4
998.7	27.5°	1023.1	1015.1	627.0	246.4	227.7	230.9	237.5	244.6	253.0	258.8
1017.8	30°	1060.8	1056.3	588.0	228.2	217.6	220.2	227.7	235.7	245.0	252.1
1036.8	32.5°	1099.3	1098.4	568.9	241.5	208.3	210.0	216.7	224.6	236.2	245.0
1052.8	35°	1137.4	1139.2	557.9	279.1	205.2	200.3	204.7	211.8	225.5	236.6
1071.0	37.5°	1186.2	1190.6	557.4	319.9	212.7	190.5	193.6	198.5	210.5	223.3
1099.3	40°	1258.8	1282.3	585.8	354.9	226.0	181.7	182.6	183.4	189.6	200.3
1137.0	42.5°	1355.4	1424.1	688.1	378.8	231.3	173.7	170.6	165.7	164.8	170.6
1188.4	45°	1475.5	1595.6	868.0	392.1	226.0	164.8	156.4	143.6	138.7	142.7
1257.9	47.5°	1616.8	1783.4	1081.1	395.2	217.1	153.8	138.7	121.9	117.9	119.2
1351.4	50°	1754.6	1924.4	1268.6	369.5	202.5	139.6	119.2	105.0	102.4	102.8
1461.8	52.5°	1876.5	1972.6	1321.7	308.8	183.0	122.3	102.4	92.6	90.8	90.8
1583.6	55°	1957.1	1920.4	1178.6	236.2	158.6	104.6	87.7	82.9	82.0	81.5
1719.6	57.5°	1974.0	1750.2	890.2	170.6	124.1	88.2	78.0	75.3	73.6	71.8
1859.2	60°	1913.7	1466.6	566.7	119.2	93.0	75.3	69.1	67.4	63.8	60.3
1990.4	62.5°	1783.4	1107.7	313.7	82.9	74.9	64.2	61.1	58.9	52.3	46.5
2094.5	65°	1608.4	736.4	138.7	64.7	61.1	54.1	52.3	49.2	41.2	34.6
2133.9	67.5°	1432.5	424.0	62.5	51.8	49.2	44.3	43.0	40.8	35.0	28.8
2033.4	70°	1231.8	214.9	43.0	41.2	38.1	33.7	35.0	34.6	28.8	23.5
1658.5	72.5°	917.2	106.8	32.3	31.0	27.5	23.9	28.8	28.4	22.6	17.7
1022.7	75°	519.3	52.7	23.5	21.7	16.4	17.7	23.0	21.7	15.5	11.5
431.6	77.5°	206.0	27.0	15.5	13.3	9.7	12.0	16.8	14.6	8.0	4.9
82.4	80°	47.4	13.3	8.0	5.8	4.4	7.1	8.9	5.3	2.2	0.4
22.2	82.5°	13.3	5.8	2.7	2.2	2.2	2.7	2.2	0.9	0.0	0.0
5.8	85°	4.4	2.7	0.9	0.4	0.4	0.4	0.4	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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779.0
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