

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: P852154

Luminaire Tested: **GLAN-SB1D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7445 lumens
Efficiency: N/A
Efficacy: 93.5 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

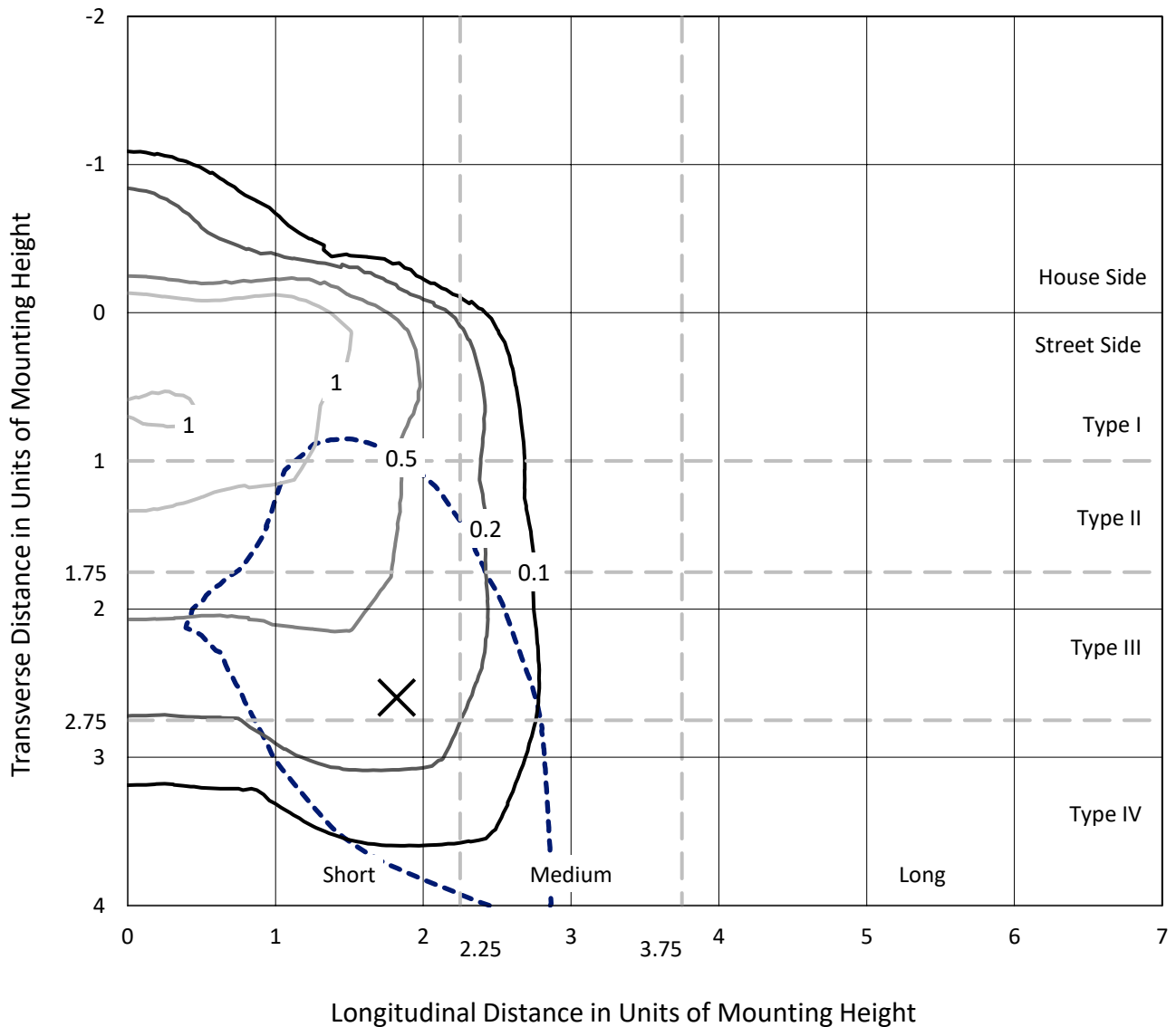
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

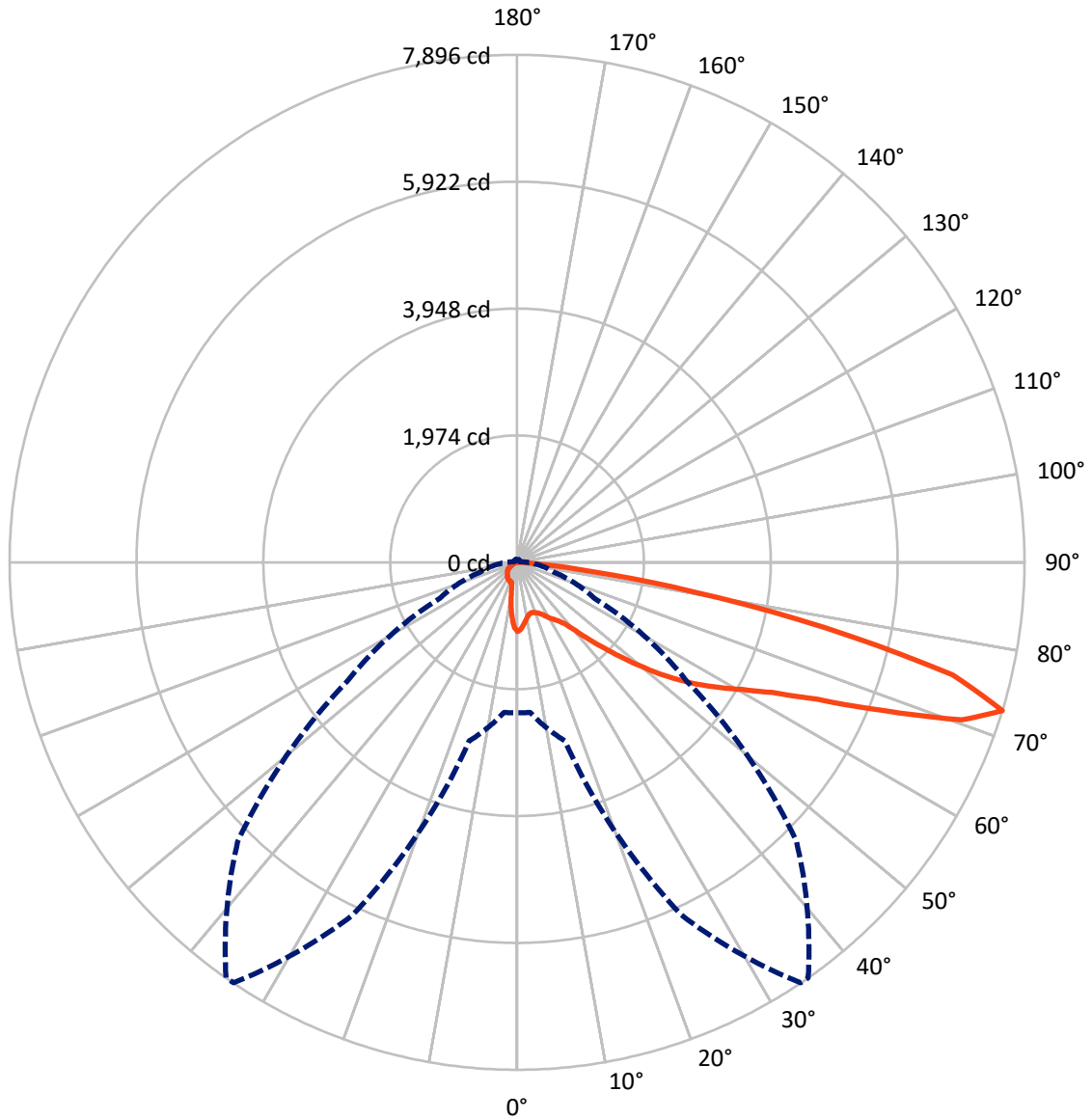
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	837.9	0.0	837.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6607.1	0.0	6607.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	7445.0	0.0	7445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.2
10°-20°	207.4	2.8
20°-30°	337.0	4.5
30°-40°	562.2	7.6
40°-50°	1063.7	14.3
50°-60°	1690.3	22.7
60°-70°	2091.0	28.1
70°-80°	1299.8	17.5
80°-90°	105.0	1.4
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°	7445.0	100.0
0°-180°	7445.0	100.0

Coefficient of Utilization

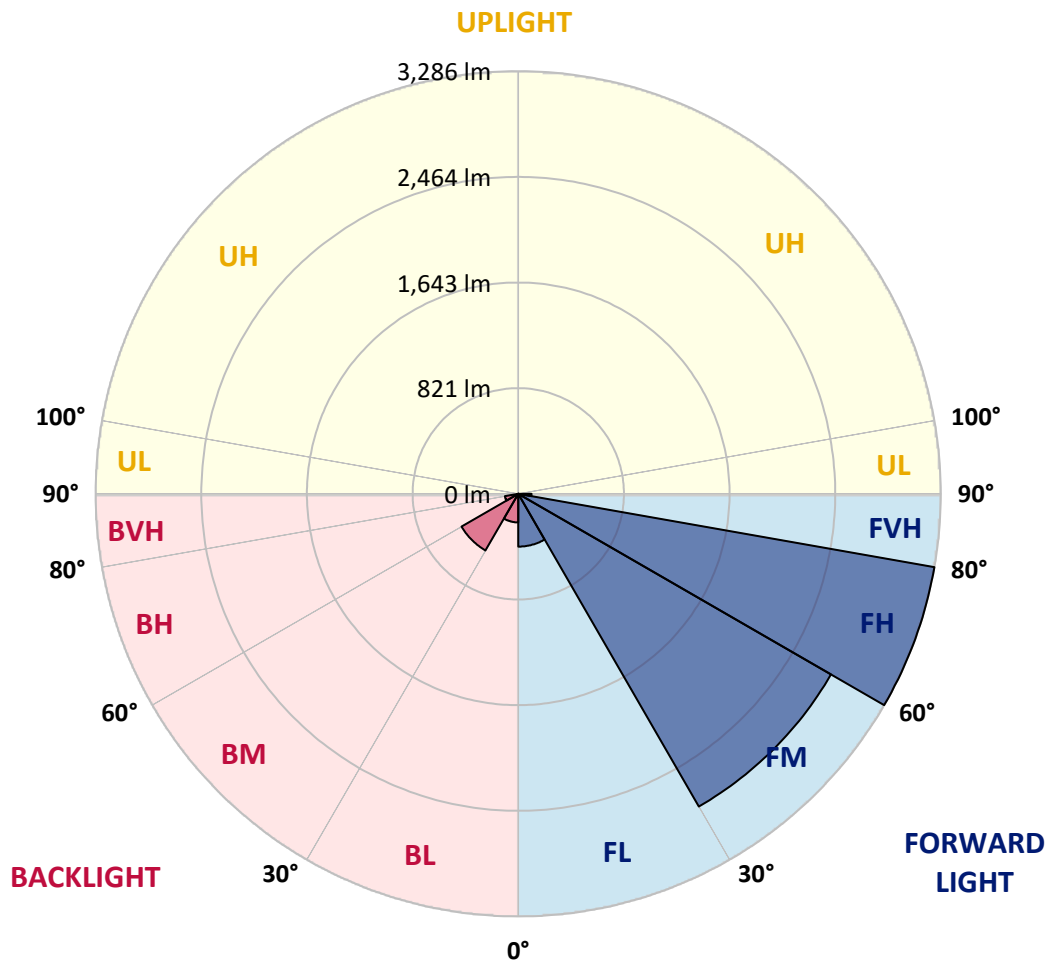


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.4	5.5			
FM (30°-60°)	2807.5	37.7			
FH (60°-80°)	3285.6	44.1			G2/5000
FVH (80°-90°)	103.6	1.4			G2/225
BL (0°-30°)	222.6	3.0	B1/500		
BM (30°-60°)	508.7	6.8	B1/1000		
BH (60°-80°)	105.1	1.4	B0/110		G0/110
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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0
2.5°	1031.0	1039.8	1041.4	1044.1	1044.1	1047.4	1052.8	1060.5	1073.0	1079.6
5°	950.3	956.8	965.0	971.6	984.1	985.7	1007.0	1027.8	1056.7	1078.5
7.5°	869.0	876.6	887.6	903.4	919.7	924.6	956.8	991.7	1037.6	1078.5
10°	811.7	812.3	822.1	837.9	864.1	870.1	909.4	959.0	1016.3	1071.9
12.5°	779.5	783.4	787.7	799.7	824.8	828.6	870.6	929.0	995.0	1068.1
15°	779.5	782.3	785.0	791.0	811.2	814.5	851.6	909.9	984.1	1069.8
17.5°	787.7	792.1	789.9	797.0	818.3	820.5	853.2	904.5	983.6	1080.1
20°	807.4	810.6	806.3	810.6	831.9	836.3	870.1	914.8	992.8	1098.1
22.5°	838.5	840.1	829.7	833.0	854.8	860.3	899.6	944.3	1015.2	1127.0
25°	877.7	881.0	865.2	869.0	889.7	896.3	941.6	988.5	1050.7	1166.9
27.5°	923.0	924.6	911.0	910.5	937.2	946.5	992.3	1043.0	1098.1	1217.0
30°	974.8	979.7	966.7	964.5	998.3	1005.9	1051.2	1110.1	1167.9	1292.3
32.5°	1015.8	1019.6	1011.9	1017.4	1051.8	1057.8	1122.7	1205.0	1277.6	1399.2
35°	1074.7	1076.8	1059.4	1069.2	1108.5	1123.8	1220.3	1338.2	1415.6	1533.4
37.5°	1288.0	1288.0	1213.8	1165.2	1202.9	1216.5	1354.0	1505.6	1585.8	1713.5
40°	1583.1	1578.2	1469.6	1370.3	1365.4	1392.2	1544.4	1716.7	1805.7	1929.5
42.5°	1897.8	1890.2	1742.4	1644.2	1627.8	1637.1	1764.2	1976.9	2067.5	2193.0
45°	2177.2	2175.0	2039.7	1907.7	1878.2	1907.7	2038.6	2281.3	2346.3	2478.3
47.5°	2411.2	2411.2	2312.4	2226.2	2211.0	2228.4	2410.1	2619.0	2613.0	2782.1
50°	2680.7	2678.5	2584.7	2547.6	2563.4	2587.9	2837.8	2974.7	2889.1	3080.5
52.5°	2869.4	2882.5	2850.3	2844.3	2925.1	2967.6	3272.0	3322.7	3136.2	3363.6
55°	3018.9	3034.2	3071.3	3113.3	3268.7	3324.4	3692.6	3652.8	3342.9	3609.1
57.5°	3230.5	3208.7	3266.0	3348.9	3600.4	3667.5	4100.1	3964.3	3509.3	3808.2
60°	3487.5	3490.8	3500.6	3605.3	3931.5	4017.7	4501.6	4258.8	3616.2	3930.4
62.5°	3796.2	3801.2	3821.3	3982.3	4376.1	4457.4	4929.3	4500.0	3665.3	3896.1
65°	3775.0	3795.7	4021.0	4571.4	5052.0	5132.2	5428.4	4669.1	3591.1	3581.9
67.5°	3438.9	3472.8	3849.7	5275.1	6071.0	6160.5	6031.8	4702.3	3270.9	2785.4
70°	2998.2	3010.2	3463.5	5907.9	7251.0	7341.6	6571.8	4336.3	2482.1	1553.6
72.5°	2341.4	2344.1	2876.0	6054.7	7891.4	7896.3	6148.0	3219.1	1334.9	596.8
75°	1672.6	1656.2	1926.2	4910.2	6942.8	6998.4	4609.1	1510.0	510.1	282.0
77.5°	896.8	914.8	1089.9	2912.0	4796.2	4891.1	2514.8	435.3	259.7	192.0
80°	277.1	292.4	446.8	1333.2	2716.7	2773.9	932.3	193.7	181.1	136.9
82.5°	87.3	90.6	208.4	560.2	1127.6	1153.8	270.0	109.6	123.8	90.6
85°	25.1	25.6	92.7	208.9	278.8	284.2	75.8	42.6	70.9	56.2
87.5°	2.7	8.7	34.9	34.9	24.5	24.0	8.2	9.3	20.2	7.1
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°
1079.0	0°	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0
1083.9	2.5°	1081.2	1081.8	1074.7	1062.7	1049.6	1038.7	1025.0	1014.1	1006.5	1004.3
1093.8	5°	1088.8	1085.0	1064.8	1028.3	984.7	947.0	905.0	871.7	849.9	840.6
1104.1	7.5°	1100.3	1089.4	1045.2	973.2	889.7	815.5	740.3	681.9	644.8	626.3
1113.9	10°	1110.1	1088.3	1012.5	893.6	765.9	653.5	552.1	481.7	442.4	423.9
1125.4	12.5°	1119.4	1087.8	969.9	799.2	626.3	488.8	394.4	359.5	348.6	344.8
1143.9	15°	1136.9	1089.4	916.5	691.2	487.1	369.3	334.9	334.4	336.6	335.5
1172.3	17.5°	1160.9	1091.0	855.9	576.6	375.9	325.7	324.0	328.9	332.2	330.6
1207.8	20°	1192.0	1097.6	791.5	463.1	322.9	314.8	318.6	322.9	325.7	322.9
1255.2	22.5°	1235.6	1109.0	721.2	372.0	306.0	308.2	311.5	316.4	319.1	315.3
1315.8	25°	1289.1	1127.0	651.9	323.5	297.9	300.6	305.5	310.9	314.2	310.4
1392.2	27.5°	1358.3	1155.9	588.1	312.6	289.7	291.3	298.4	306.6	310.9	306.0
1500.7	30°	1458.7	1203.4	533.0	317.5	284.8	280.9	290.8	302.2	307.1	302.8
1648.5	32.5°	1591.8	1270.5	499.1	325.1	282.6	268.9	278.2	292.9	301.1	298.4
1841.7	35°	1766.4	1372.5	486.1	333.9	280.9	256.4	262.9	278.8	292.9	295.7
2085.0	37.5°	1978.0	1514.4	489.9	337.7	276.0	246.0	249.3	262.9	281.5	290.2
2358.8	40°	2218.6	1679.6	511.7	333.9	270.6	237.3	237.8	248.2	264.6	277.7
2653.4	42.5°	2466.8	1872.8	552.1	319.7	265.7	229.7	228.0	235.1	246.0	255.3
2947.4	45°	2703.0	2071.3	591.9	300.0	259.7	222.0	218.2	220.9	223.1	226.9
3233.8	47.5°	2909.2	2211.0	580.4	282.0	251.5	213.3	206.8	205.7	199.1	198.6
3489.7	50°	3051.6	2241.5	515.5	264.0	239.5	203.5	193.1	186.6	175.1	169.7
3681.1	52.5°	3096.9	2121.0	421.1	246.0	219.8	190.4	175.7	165.3	151.1	146.2
3791.3	55°	3036.9	1884.8	336.6	224.2	192.6	172.9	156.6	142.9	131.5	125.5
3803.3	57.5°	2890.1	1584.2	266.2	198.6	163.7	153.3	136.9	123.3	113.5	107.5
3670.2	60°	2646.8	1258.0	210.6	168.0	139.7	132.0	115.1	106.4	97.6	90.6
3326.6	62.5°	2277.5	897.9	165.3	133.1	116.7	108.0	98.2	91.6	81.3	71.5
2708.5	65°	1777.3	549.3	127.7	97.6	93.8	89.5	83.5	77.5	64.9	55.1
1766.9	67.5°	1121.0	260.2	91.1	73.6	74.2	72.0	69.3	64.4	55.1	46.4
791.5	70°	493.7	126.0	60.0	56.2	55.1	55.1	57.3	55.6	46.9	38.7
274.9	72.5°	168.0	67.6	44.7	42.6	39.8	39.3	48.0	46.4	37.6	30.0
136.9	75°	87.8	45.3	32.7	30.5	24.0	28.9	38.2	36.0	26.7	19.6
90.6	77.5°	57.3	32.2	22.4	19.6	13.6	19.1	28.4	25.1	15.8	9.8
59.5	80°	36.0	21.3	13.1	9.3	6.5	10.4	15.3	10.9	6.0	2.2
34.9	82.5°	19.1	10.9	4.9	3.3	2.7	3.3	3.8	2.7	1.1	0.0
18.0	85°	7.6	3.8	1.6	1.1	0.5	0.0	1.1	0.5	0.0	0.0
3.3	87.5°	2.7	0.5	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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1079.0
1008.1
843.9
629.0
424.4
343.7
334.9
330.0
322.4
314.8
309.9
306.0
302.2
298.4
295.7
292.4
282.0
259.1
229.1
198.0
170.2
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