

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: P846145

Luminaire Tested: **GLAN-SB1C-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4697 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

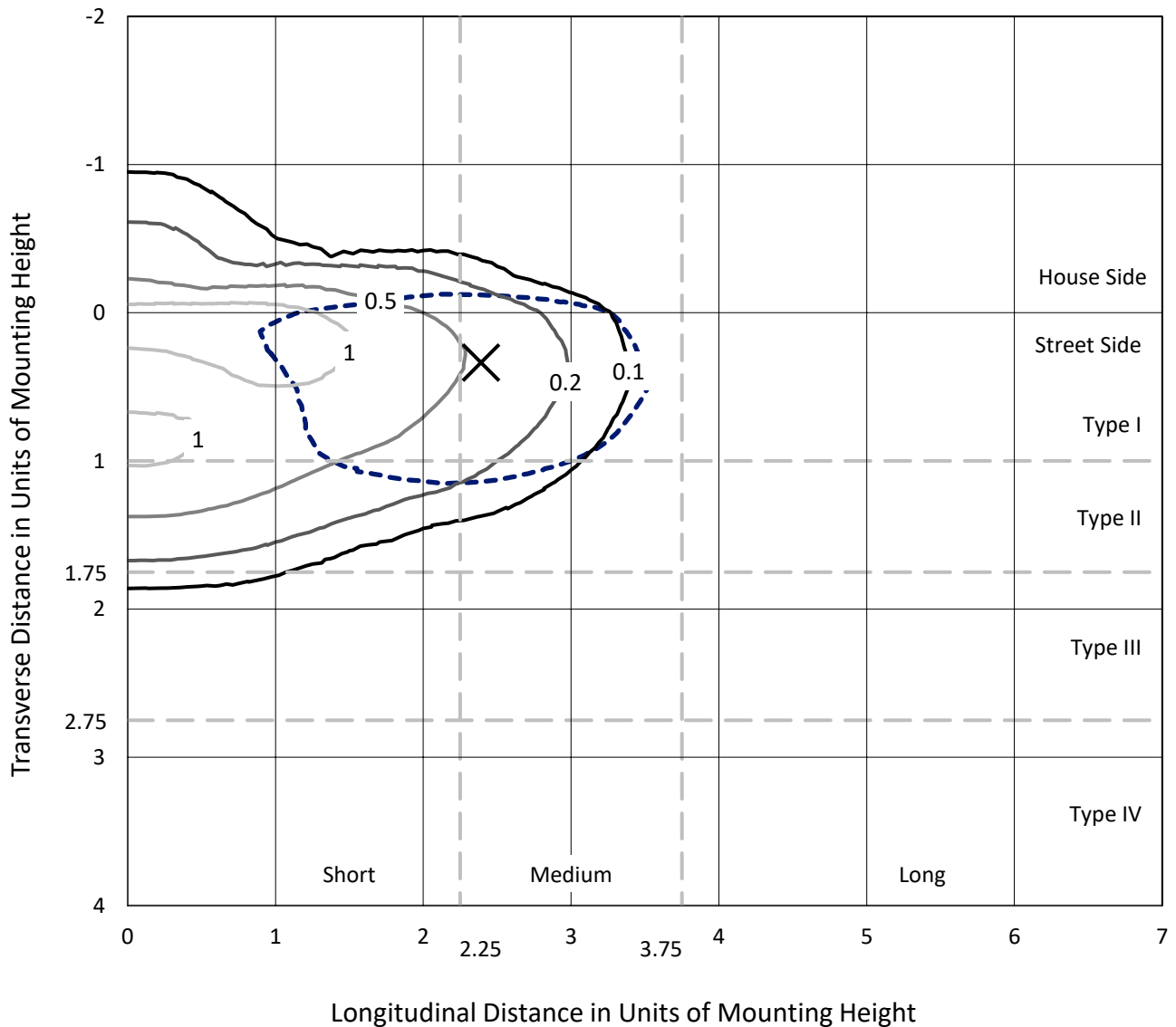
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

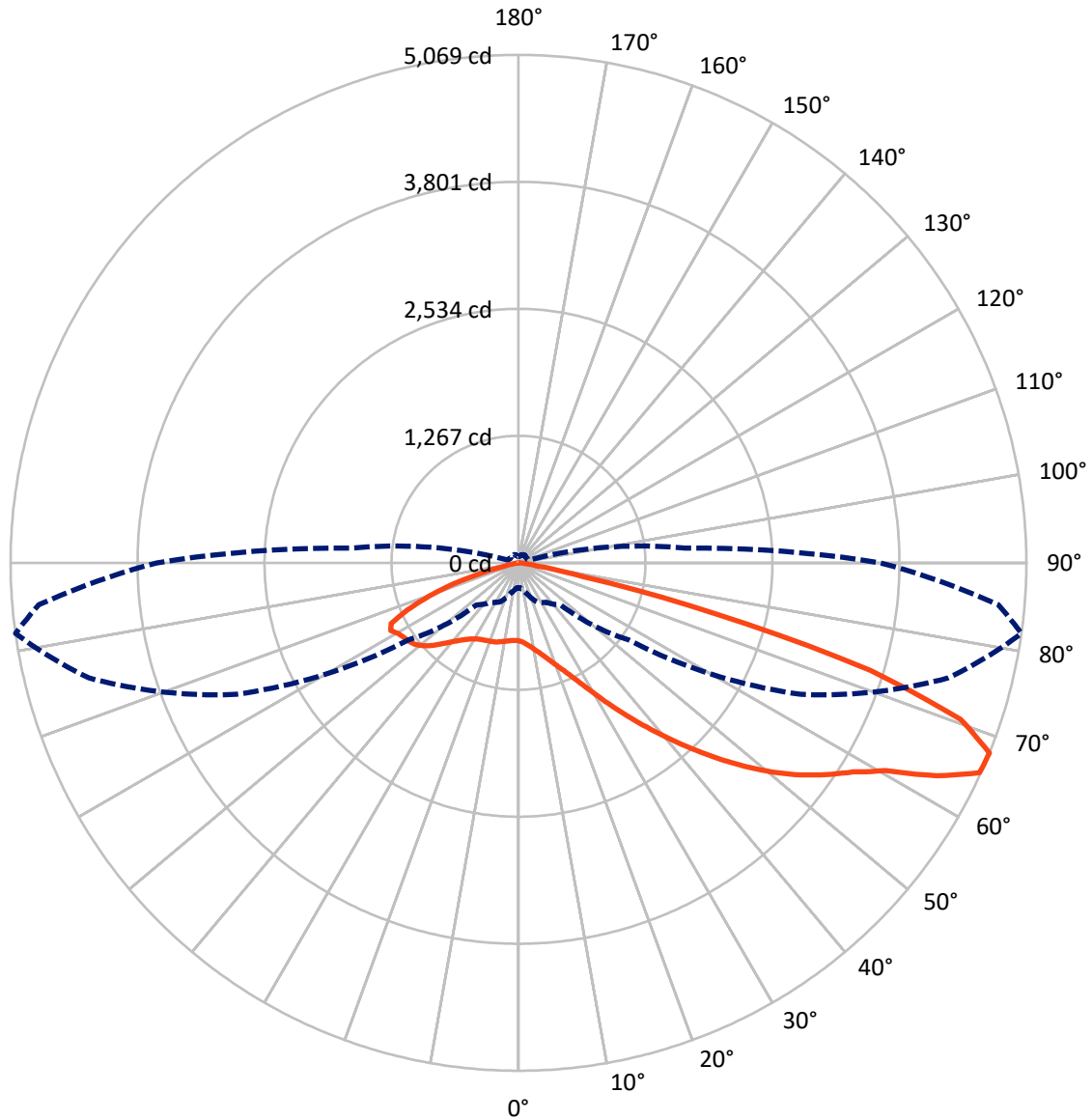
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.8	0.0	850.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3846.2	0.0	3846.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	4697.0	0.0	4697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.5
10°-20°	180.2	3.8
20°-30°	288.5	6.1
30°-40°	510.2	10.9
40°-50°	894.0	19.0
50°-60°	1192.3	25.4
60°-70°	1110.0	23.6
70°-80°	426.0	9.1
80°-90°	26.5	0.6
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°	4697.0	100.0
0°-180°	4697.0	100.0

Coefficient of Utilization

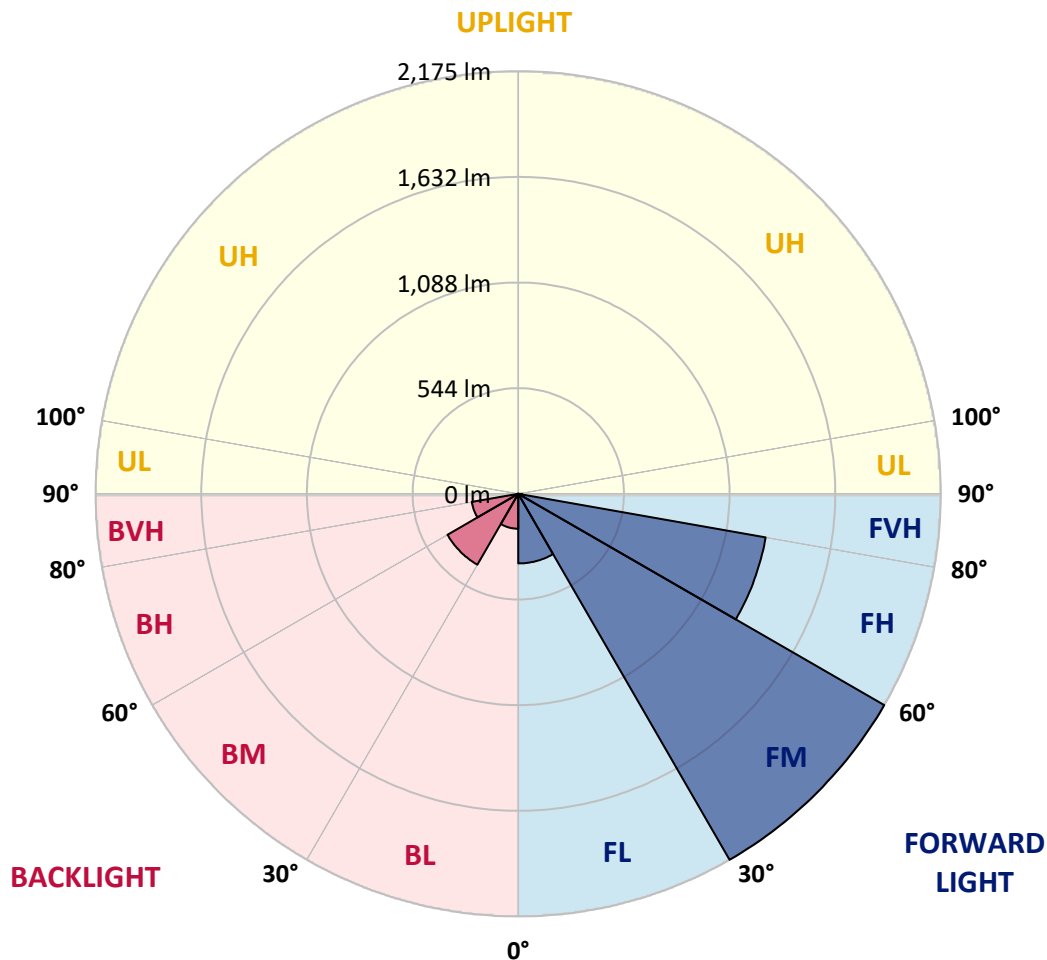


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.3	7.6			
FM (30°-60°)	2175.5	46.3			
FH (60°-80°)	1293.2	27.5			G1/1800
FVH (80°-90°)	19.2	0.4			G1/100
BL (0°-30°)	179.7	3.8	B1/500		
BM (30°-60°)	421.1	9.0	B1/1000		
BH (60°-80°)	242.8	5.2	B1/500		G1/500
BVH (80°-90°)	7.2	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	822.4	827.2	824.5	823.1	820.7	817.4	814.7	806.2	797.4	791.7
5°	839.0	843.7	843.4	844.8	846.4	847.5	846.8	837.3	824.8	815.0
7.5°	824.8	830.2	834.6	841.4	853.2	865.7	871.8	869.8	856.9	843.4
10°	784.6	790.3	800.8	816.7	841.7	868.8	891.4	901.9	893.8	878.9
12.5°	710.8	716.6	737.2	771.7	813.6	860.6	903.9	932.0	934.0	919.2
15°	628.0	633.7	655.7	699.0	762.9	838.3	910.7	963.8	981.7	968.9
17.5°	576.6	581.7	598.2	633.1	699.7	793.7	908.3	997.6	1038.5	1028.4
20°	561.0	565.4	573.2	597.6	653.0	747.4	892.8	1029.4	1099.7	1094.0
22.5°	577.6	581.7	584.0	594.8	629.7	716.9	873.2	1061.9	1170.8	1171.4
25°	615.8	619.9	617.2	623.9	639.1	707.5	865.7	1100.1	1260.0	1267.5
27.5°	678.7	679.0	672.6	672.3	674.7	721.7	873.5	1141.0	1372.6	1386.5
30°	804.8	799.8	775.1	748.4	736.2	764.3	895.1	1189.4	1505.5	1530.2
32.5°	999.3	991.9	946.5	882.6	818.4	832.9	934.0	1244.5	1650.3	1694.9
35°	1210.3	1208.3	1160.9	1065.9	953.6	930.6	997.3	1316.8	1808.2	1879.2
37.5°	1406.5	1405.4	1378.4	1266.5	1129.8	1066.9	1098.7	1411.5	1977.3	2080.1
40°	1585.7	1588.7	1561.7	1461.6	1323.9	1241.8	1236.7	1528.5	2165.3	2298.9
42.5°	1740.6	1744.0	1716.6	1642.5	1515.7	1435.2	1406.1	1671.9	2348.9	2533.9
45°	1845.7	1866.7	1862.7	1803.5	1712.5	1629.0	1609.7	1851.8	2558.3	2783.2
47.5°	1875.5	1894.8	1925.2	1933.3	1877.9	1795.7	1818.7	2068.6	2770.0	3032.7
50°	1802.1	1820.0	1883.3	1967.5	2006.0	1980.7	2021.9	2300.9	2986.7	3281.6
52.5°	1657.4	1675.6	1755.5	1888.7	2045.9	2125.7	2225.8	2529.9	3196.7	3517.3
55°	1448.1	1467.3	1569.8	1720.6	1969.9	2185.6	2395.9	2758.5	3389.2	3729.4
57.5°	1163.3	1177.5	1284.0	1495.1	1778.4	2126.1	2521.4	3008.0	3570.4	3937.7
60°	758.2	770.7	894.5	1129.8	1461.2	1927.2	2546.4	3286.4	3811.2	4208.6
62.5°	504.2	512.7	586.1	758.9	1029.1	1545.4	2400.0	3508.5	4164.3	4680.0
65°	346.0	354.4	427.8	548.2	664.8	1022.3	1979.0	3479.1	4484.2	5054.3
67.5°	246.9	254.0	316.2	429.8	481.2	593.8	1341.5	3103.1	4438.2	5068.5
70°	176.9	180.9	232.3	334.8	382.5	356.8	746.0	2373.3	3885.9	4680.3
72.5°	123.8	125.1	161.3	255.0	308.1	260.4	355.1	1582.3	2939.1	3673.6
75°	83.9	85.6	108.6	187.0	247.2	198.8	188.0	848.5	1725.4	2033.4
77.5°	51.4	52.1	70.0	127.8	185.0	151.5	121.1	359.5	667.6	655.4
80°	29.1	29.1	44.6	79.5	126.1	97.7	84.9	152.9	211.4	185.7
82.5°	16.2	16.6	32.5	49.4	83.5	57.8	46.7	70.7	91.3	80.8
85°	6.8	7.4	20.0	23.3	39.9	28.7	18.9	29.8	33.8	30.1
87.5°	0.7	1.0	6.1	4.4	4.7	5.7	2.7	5.7	4.7	4.7
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°
778.1	0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
789.6	2.5°	783.2	778.1	765.3	750.4	730.8	721.3	708.5	699.7	692.2	692.9
809.2	5°	798.4	785.6	756.8	721.0	676.3	644.6	610.7	587.4	568.5	564.4
836.3	7.5°	819.4	799.1	748.7	684.1	608.7	551.6	500.5	467.7	444.4	436.9
869.1	10°	846.4	817.0	738.2	637.8	529.2	456.5	401.7	376.0	360.2	354.7
907.7	12.5°	877.9	837.7	724.4	581.3	447.4	377.4	342.6	329.7	324.6	323.0
955.0	15°	917.5	863.4	703.4	514.4	378.1	329.0	314.2	312.5	313.1	312.5
1011.8	17.5°	964.5	891.4	669.2	445.4	331.4	304.4	298.9	300.3	302.0	301.6
1075.4	20°	1015.9	919.2	625.6	384.2	299.6	286.8	283.7	285.1	286.4	285.8
1148.8	22.5°	1074.4	948.9	577.3	336.5	278.3	270.5	267.2	267.5	267.5	266.1
1241.8	25°	1144.4	981.7	526.5	302.7	262.1	256.0	251.9	250.6	248.6	244.5
1354.7	27.5°	1227.9	1016.5	477.8	279.0	249.2	243.5	238.7	235.4	230.3	223.5
1490.3	30°	1321.9	1058.8	436.6	264.1	239.1	233.3	227.9	222.9	215.4	207.0
1646.2	32.5°	1432.5	1104.1	406.5	254.3	230.0	223.9	217.4	211.4	203.2	194.8
1821.4	35°	1564.4	1158.9	388.9	247.5	222.9	214.7	207.6	200.9	194.8	187.3
2011.8	37.5°	1707.4	1217.1	383.5	244.2	218.1	205.6	197.5	192.8	192.1	187.7
2217.7	40°	1864.0	1286.1	387.5	242.1	213.0	196.8	188.0	187.0	188.7	180.9
2437.9	42.5°	2029.7	1367.9	394.3	239.8	205.9	188.0	179.6	179.6	178.2	167.4
2670.5	45°	2208.9	1462.3	401.1	234.0	197.5	179.2	172.8	170.4	164.7	154.2
2904.6	47.5°	2389.5	1558.3	406.1	223.5	187.3	171.8	166.0	160.6	152.2	142.7
3134.2	50°	2561.0	1644.5	400.7	208.0	175.8	164.7	158.6	151.2	142.0	135.6
3351.6	52.5°	2714.2	1719.3	377.7	189.7	163.7	157.3	151.8	144.1	136.6	129.9
3547.8	55°	2847.4	1779.8	337.2	172.5	152.9	150.8	145.4	135.6	125.5	119.7
3742.2	57.5°	2975.2	1825.8	286.4	158.3	143.0	143.7	135.6	126.8	117.3	111.3
4004.3	60°	3145.3	1887.3	235.0	145.1	132.6	134.6	125.8	119.4	107.5	99.8
4453.7	62.5°	3417.2	1983.0	186.7	128.8	120.4	121.1	117.3	109.6	95.4	86.2
4786.8	65°	3633.0	1947.9	147.1	111.3	106.5	107.5	107.5	99.1	83.9	73.4
4804.7	67.5°	3608.6	1667.9	117.3	94.0	93.3	94.0	96.4	89.3	74.4	65.9
4438.8	70°	3324.2	1326.6	94.0	78.1	81.2	79.5	86.2	81.5	67.0	58.5
3441.2	72.5°	2712.5	955.7	71.7	64.6	62.2	64.9	77.8	73.4	55.8	46.3
1822.7	75°	1585.0	510.0	53.4	51.1	45.0	54.1	69.0	62.6	42.6	34.2
558.7	77.5°	516.1	177.9	39.2	37.5	33.5	43.6	58.8	52.8	34.8	27.1
163.7	80°	138.3	53.8	26.7	24.7	21.6	32.5	46.7	41.9	25.0	17.6
70.3	82.5°	55.5	22.7	15.6	13.9	11.8	22.3	36.9	33.8	18.6	11.2
22.0	85°	17.9	7.4	5.7	4.4	5.4	13.9	22.0	23.0	13.2	5.7
3.4	87.5°	2.4	1.0	1.0	1.4	1.0	2.4	6.8	6.4	3.7	0.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
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778.1
686.2
555.3
429.5
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321.9
312.1
301.0
285.4
265.5
243.8
222.9
206.3
195.1
186.7
187.3
181.3
167.4
153.9
142.4
134.6
129.2
119.0
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72.4
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