

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: P200647

Luminaire Tested: **GAP-AF-01-LED-U-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-SLR-8030
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4560 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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: 28.75 FT

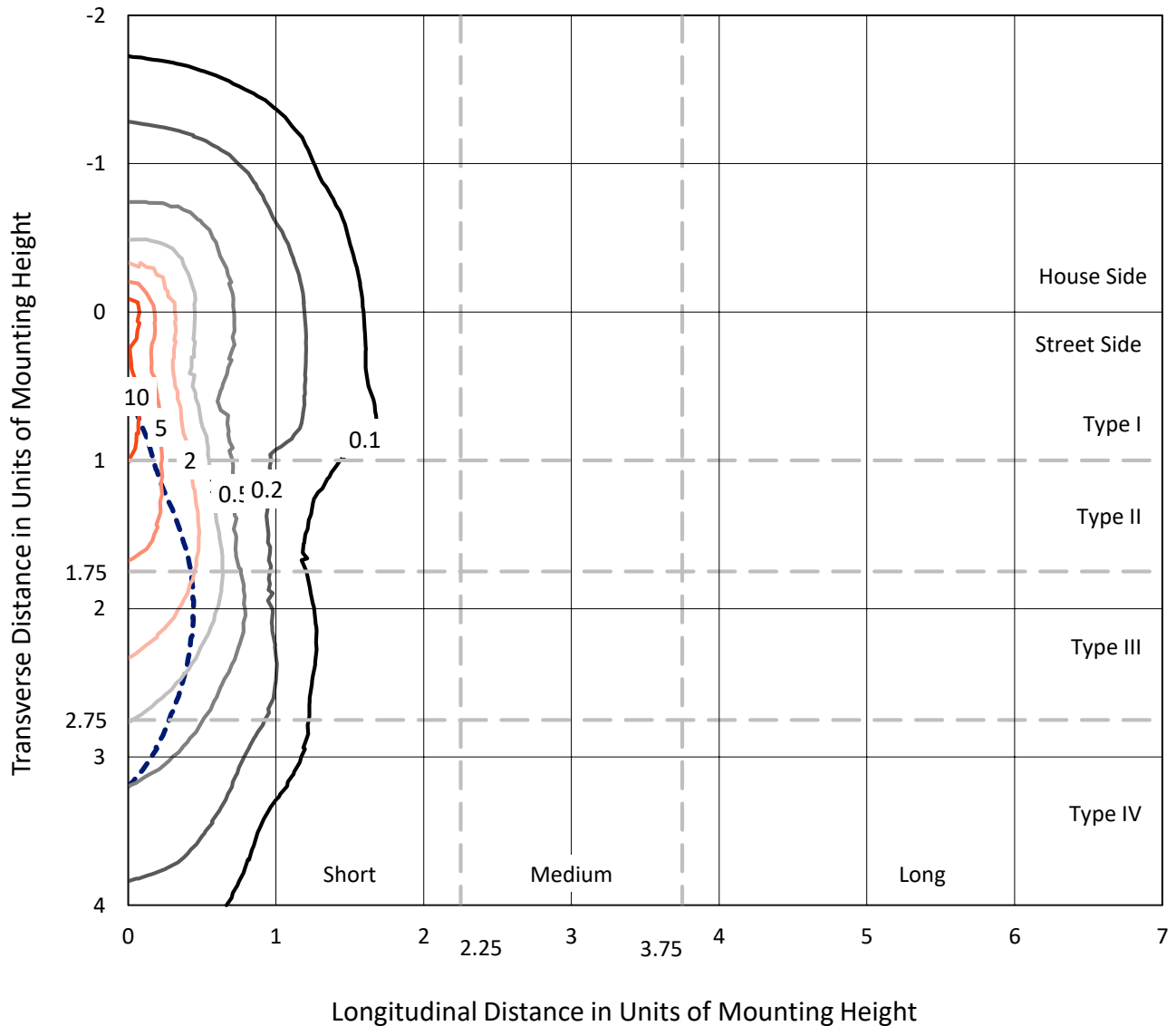


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

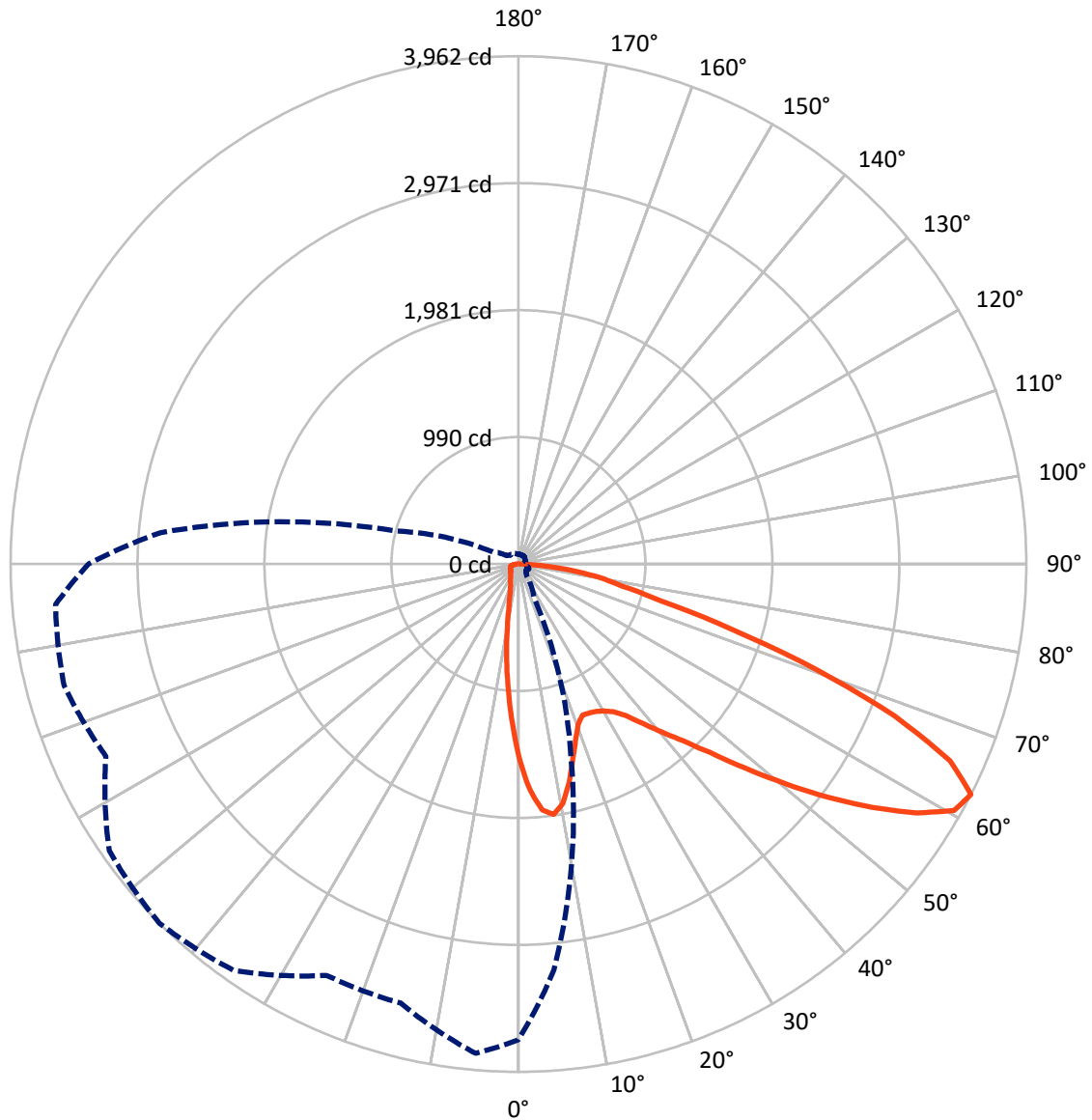


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.6	0.0	754.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3805.4	0.0	3805.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	4560.0	0.0	4560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	2.5
10°-20°	205.7	4.5
20°-30°	299.8	6.6
30°-40°	461.8	10.1
40°-50°	679.6	14.9
50°-60°	996.9	21.9
60°-70°	1114.4	24.4
70°-80°	545.6	12.0
80°-90°	144.0	3.2
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°	4560.0	100.0
0°-180°	4560.0	100.0

Coefficient of Utilization



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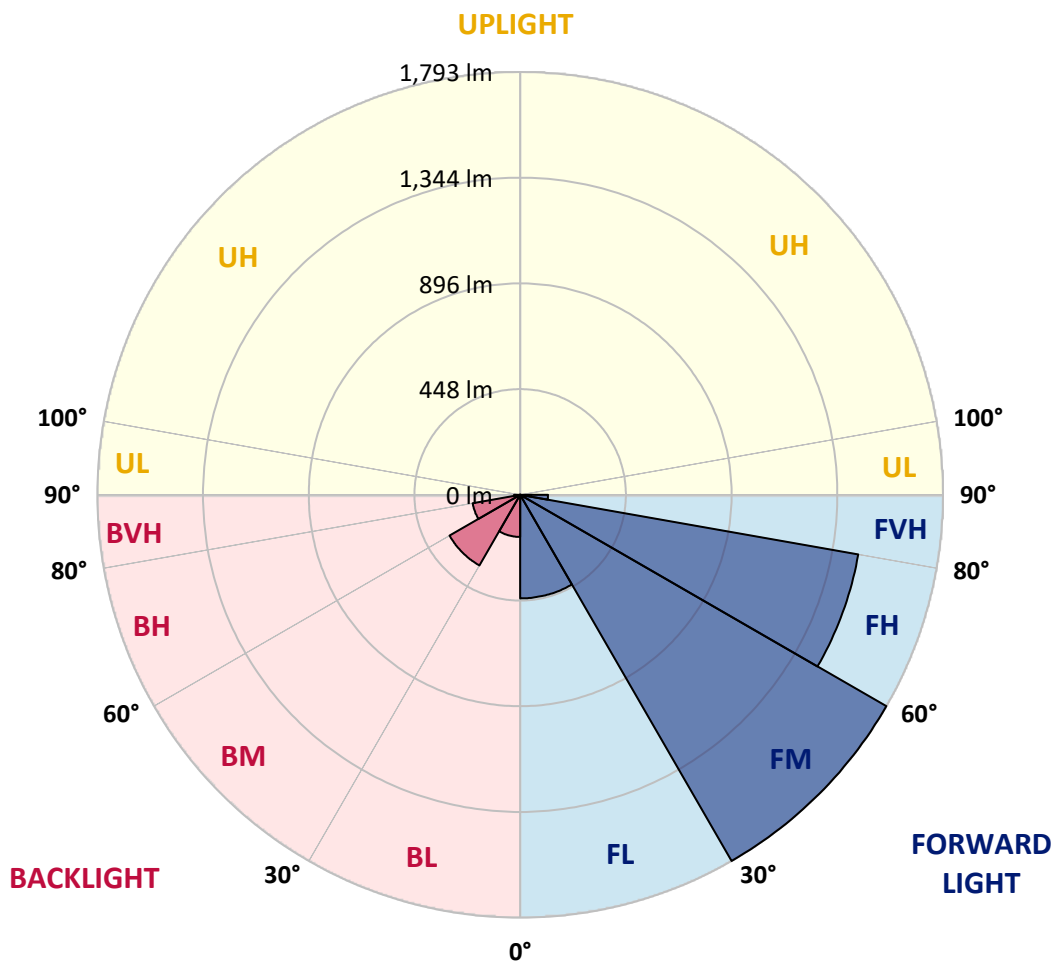
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.1	9.6			
FM	(30°-60°)	1792.6	39.3			
FH	(60°-80°)	1455.4	31.9			G1/1800
FVH	(80°-90°)	118.3	2.6			G2/225
BL	(0°-30°)	178.5	3.9	B1/500		
BM	(30°-60°)	345.8	7.6	B1/1000		
BH	(60°-80°)	204.6	4.5	B1/500		G1/500
BVH	(80°-90°)	25.7	0.6			G1/100
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°	45°	55°	65°	75°	85°	90°
0°	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6
2.5°	1600.8	1568.2	1514.0	1457.6	1423.3	1383.2	1351.9	1324.3	1269.1	1258.4	1268.1
5°	1505.3	1439.8	1337.8	1235.0	1166.6	1093.2	1036.0	990.1	920.2	907.9	922.7
7.5°	1352.1	1273.9	1139.0	1007.9	911.2	819.4	757.8	708.6	654.0	630.4	631.9
10°	1220.0	1131.8	972.3	829.7	750.5	688.6	636.7	586.3	530.9	494.6	484.5
12.5°	1146.1	1044.5	860.8	733.5	660.0	594.8	538.9	485.0	425.9	388.8	378.3
15°	1133.3	1023.0	818.9	671.8	579.8	497.3	431.4	371.2	310.3	280.2	274.0
17.5°	1188.7	1061.6	805.4	616.9	504.3	402.6	321.6	254.4	204.8	189.8	188.5
20°	1295.0	1135.8	803.6	565.3	429.9	310.6	224.1	175.2	153.4	149.1	149.4
22.5°	1444.1	1250.8	825.2	526.4	361.5	231.6	168.4	146.6	138.1	134.1	134.1
25°	1637.1	1409.3	874.8	498.1	302.1	185.0	148.6	135.6	127.6	124.8	125.3
27.5°	1824.1	1563.4	932.5	475.8	263.2	167.9	140.9	129.1	122.1	119.3	120.6
30°	1970.0	1700.3	980.6	445.4	243.4	163.2	143.6	131.6	121.6	117.3	117.6
32.5°	2090.8	1820.1	1021.0	423.6	225.9	139.9	123.8	118.6	117.3	112.3	109.8
35°	2245.2	1950.7	1048.0	424.1	217.6	124.8	110.3	101.0	94.3	88.5	88.5
37.5°	2426.2	2100.6	1076.9	429.9	214.6	116.1	105.5	96.3	90.0	84.5	83.5
40°	2605.2	2247.5	1103.2	435.4	212.8	110.8	101.8	93.2	87.5	82.0	80.5
42.5°	2757.4	2368.3	1126.8	438.2	206.8	110.3	99.0	91.2	85.7	79.7	78.2
45°	2869.9	2469.6	1152.1	442.4	200.8	112.3	99.0	91.0	84.2	78.5	77.0
47.5°	2970.4	2588.4	1194.4	442.4	193.5	108.5	102.3	91.2	84.0	78.0	76.7
50°	3105.0	2751.3	1274.7	432.2	183.2	104.5	107.8	90.2	81.7	77.0	75.5
52.5°	3290.5	2960.2	1402.0	414.4	167.4	96.8	107.0	89.7	79.5	74.4	72.7
55°	3509.9	3183.8	1540.9	393.6	143.9	91.2	103.3	88.5	77.0	71.4	69.7
57.5°	3681.1	3337.7	1638.6	361.5	123.3	88.2	91.5	87.2	73.9	68.2	66.7
60°	3749.3	3331.6	1665.4	318.6	113.3	85.7	80.0	97.8	71.4	65.7	63.9
62.5°	3712.4	3177.7	1590.2	288.5	111.0	82.5	75.0	90.5	69.4	63.9	61.4
65°	3542.2	2905.0	1391.0	280.5	117.6	79.2	71.7	70.9	66.7	61.4	58.9
67.5°	3171.5	2497.4	1113.7	281.3	125.8	76.0	68.4	64.9	62.9	58.7	56.4
70°	2583.1	1974.5	830.2	283.3	130.1	72.2	64.9	61.2	58.9	54.6	53.1
72.5°	1899.3	1521.8	603.1	270.2	130.8	67.9	60.2	56.9	54.6	50.1	48.9
75°	1299.5	1164.1	418.4	223.8	114.1	61.9	54.9	51.9	50.4	44.9	44.1
77.5°	949.3	873.8	267.7	166.2	88.0	54.4	48.4	46.1	45.1	39.1	38.1
80°	761.8	691.3	167.4	113.8	64.4	45.6	40.6	39.4	38.4	32.3	31.6
82.5°	528.4	463.0	107.5	73.9	48.4	35.3	32.1	31.6	30.1	24.6	23.8
85°	278.7	251.4	68.2	50.4	35.1	24.3	22.3	22.3	21.6	16.3	15.8
87.5°	35.6	57.9	34.6	26.3	19.3	10.8	10.8	10.5	11.3	9.3	8.0
90°	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6
2.5°	1245.1	1257.1	1245.6	1246.3	1259.1	1297.2	1314.5	1328.8	1344.1	1354.1	1358.6
5°	902.4	930.5	940.0	960.1	989.6	1038.3	1057.6	1071.6	1080.9	1086.4	1088.7
7.5°	617.1	634.2	653.2	685.6	750.0	778.6	791.4	788.1	777.6	773.8	770.1
10°	465.2	458.5	455.0	472.8	524.9	553.7	562.8	554.0	548.2	549.5	555.7
12.5°	360.5	348.7	334.4	332.4	366.7	392.5	398.3	398.8	409.3	418.6	432.4
15°	262.7	261.4	254.4	250.2	269.7	290.8	293.3	297.8	307.3	314.1	326.1
17.5°	185.2	192.0	197.5	200.3	215.1	230.1	227.4	225.1	223.3	223.3	229.1
20°	149.4	153.9	160.9	169.0	184.0	194.5	187.8	178.7	172.2	170.2	171.0
22.5°	134.6	138.1	142.1	149.1	162.7	170.0	162.7	156.2	149.6	147.4	146.6
25°	127.1	131.6	135.4	140.6	150.7	155.7	148.6	143.9	139.9	137.1	135.1
27.5°	122.8	126.8	127.8	130.3	138.9	143.4	139.9	137.9	135.4	132.9	130.3
30°	118.3	117.6	115.8	116.1	122.8	127.3	127.1	127.6	127.3	126.6	126.1
32.5°	108.0	106.5	105.0	106.5	112.8	116.8	117.1	118.1	118.1	117.8	119.8
35°	90.0	92.7	94.5	99.0	106.5	110.0	108.5	106.0	101.5	98.8	98.5
37.5°	83.2	83.7	86.7	93.0	101.3	104.5	102.3	96.5	93.5	93.0	93.8
40°	80.0	80.5	82.2	88.0	96.3	99.5	97.5	93.2	90.5	90.2	91.5
42.5°	77.7	78.2	79.2	83.2	90.0	94.0	94.3	91.2	88.0	88.2	89.5
45°	76.5	76.7	76.5	78.5	84.7	89.5	91.5	89.5	86.7	87.2	88.7
47.5°	76.2	75.5	74.4	75.0	81.5	86.2	88.7	88.0	86.7	87.2	88.5
50°	75.2	73.4	72.2	71.9	78.5	83.5	85.7	85.7	86.2	87.2	88.5
52.5°	72.2	70.2	70.2	69.4	76.5	81.2	82.7	83.0	83.7	85.5	87.2
55°	68.4	67.7	68.4	67.2	75.0	79.5	80.2	80.7	81.2	82.7	85.2
57.5°	65.2	64.2	65.9	65.4	73.7	77.7	77.7	78.7	78.7	80.7	82.7
60°	63.4	61.4	62.2	62.7	71.9	76.2	75.7	76.7	77.2	79.0	80.5
62.5°	61.2	59.4	59.4	60.7	69.9	73.9	73.7	74.4	76.5	77.0	78.5
65°	58.4	57.7	56.9	58.4	67.9	71.4	71.7	72.7	74.4	75.0	76.2
67.5°	55.6	55.9	54.4	55.9	66.2	68.9	68.9	70.9	71.7	72.7	73.9
70°	52.6	52.9	51.6	53.4	64.9	66.2	65.9	68.7	69.2	69.9	71.2
72.5°	48.9	48.9	48.4	50.9	62.9	63.4	62.9	65.2	65.4	66.2	66.7
75°	44.9	44.9	44.4	47.9	61.7	60.4	58.9	60.7	61.2	61.7	61.7
77.5°	39.6	40.1	40.1	44.4	57.4	59.2	54.1	55.1	55.9	56.1	55.4
80°	33.1	34.3	34.8	40.4	48.1	54.6	48.4	49.1	49.4	49.4	48.4
82.5°	25.3	27.6	28.8	34.8	36.8	45.9	42.1	42.9	42.1	40.6	40.1
85°	17.5	20.6	22.1	26.6	27.8	35.3	35.1	35.1	33.6	31.6	31.3
87.5°	9.5	11.3	12.3	15.8	19.1	23.8	25.8	25.1	23.8	22.6	22.8
90°	0.0	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6
2.5°	1382.2	1416.3	1470.7	1512.3	1554.1	1594.5	1638.1	1671.5	1699.8	1710.8	1744.4
5°	1111.5	1154.1	1205.5	1298.2	1363.9	1436.3	1520.1	1630.9	1673.5	1732.4	1828.9
7.5°	785.8	824.5	907.2	982.1	1075.1	1177.6	1290.7	1443.6	1499.5	1594.0	1751.2
10°	586.8	631.7	698.1	761.3	843.3	948.0	1077.9	1248.8	1316.8	1419.3	1600.3
12.5°	472.8	525.7	596.1	655.5	718.9	792.9	919.0	1106.5	1197.4	1287.2	1470.2
15°	363.2	418.6	484.0	559.5	629.4	709.1	841.2	1046.3	1151.1	1244.6	1400.7
17.5°	251.4	298.8	381.3	460.0	549.5	651.5	819.7	1059.1	1184.2	1291.9	1412.8
20°	178.2	205.3	273.0	364.2	475.8	603.9	815.7	1126.3	1288.9	1412.0	1490.0
22.5°	149.9	159.9	199.3	283.0	411.8	568.3	829.7	1220.5	1430.3	1587.5	1613.1
25°	136.6	142.6	163.2	222.1	354.9	542.4	877.1	1360.9	1605.3	1763.0	1758.4
27.5°	129.3	135.6	149.1	187.5	312.1	526.4	924.5	1527.3	1805.3	1953.5	1897.3
30°	127.1	135.6	149.9	176.7	281.5	501.1	963.3	1673.5	1959.2	2082.1	1960.5
32.5°	125.3	126.6	133.1	152.4	252.4	471.5	989.6	1804.6	2109.9	2204.4	2051.5
35°	101.3	107.5	118.1	136.6	235.4	453.7	989.6	1917.6	2258.3	2328.0	2138.2
37.5°	97.5	103.0	112.3	128.1	225.9	444.9	969.8	2026.7	2409.9	2468.1	2209.7
40°	95.5	100.0	108.8	121.6	221.8	434.9	941.0	2122.9	2558.1	2608.5	2276.3
42.5°	94.0	98.0	106.3	117.6	216.6	423.9	917.7	2200.1	2686.7	2728.3	2340.0
45°	93.2	97.5	106.5	119.6	206.1	409.3	909.9	2283.6	2792.5	2828.3	2408.9
47.5°	93.2	98.3	107.8	123.8	193.5	394.3	934.2	2393.6	2892.5	2910.0	2490.1
50°	92.5	98.0	111.3	119.6	175.2	375.3	991.4	2532.3	3000.8	3002.8	2592.9
52.5°	91.0	97.5	119.8	117.1	154.2	350.2	1068.6	2710.2	3160.9	3173.0	2753.9
55°	89.2	96.8	117.6	111.3	136.9	320.4	1131.8	2926.6	3386.0	3419.4	2990.5
57.5°	87.0	95.8	113.8	103.3	125.6	282.0	1154.6	3085.0	3543.2	3626.9	3257.2
60°	85.0	95.0	102.8	98.5	118.6	249.7	1110.5	3053.7	3532.4	3712.9	3493.6
62.5°	83.0	95.8	93.8	95.5	115.3	228.9	995.2	2802.7	3353.7	3624.2	3668.8
65°	80.7	89.0	88.5	93.0	114.6	220.6	825.0	2426.5	3008.3	3343.7	3710.2
67.5°	77.7	82.2	84.7	89.7	117.1	213.3	665.8	2001.6	2528.3	2923.3	3494.6
70°	74.4	78.2	81.0	85.7	115.6	210.1	553.7	1578.5	2006.1	2395.9	3069.2
72.5°	70.2	73.4	76.0	80.5	114.1	208.3	467.7	1271.1	1497.7	1779.8	2495.4
75°	65.2	68.2	69.9	74.4	109.3	190.8	367.7	1075.6	1120.7	1238.1	1987.6
77.5°	59.4	61.7	63.2	68.2	96.8	158.7	266.0	829.7	870.3	898.9	1523.8
80°	52.6	54.9	55.6	60.4	80.2	124.1	173.5	612.9	651.0	657.5	995.2
82.5°	44.9	47.1	47.1	51.6	65.7	89.2	113.8	419.9	427.4	449.5	703.4
85°	36.1	37.9	37.9	40.1	50.9	66.7	78.2	210.8	208.6	238.1	609.4
87.5°	25.8	27.1	28.3	28.8	36.3	44.1	47.1	64.2	42.4	48.6	391.3
90°	0.0	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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6
2.5°	1769.7	1784.0	1769.5	1758.9	1713.6	1676.2	1626.3	1600.8
5°	1902.3	1938.7	1926.4	1882.3	1787.5	1681.0	1559.9	1505.3
7.5°	1886.3	1970.8	1972.8	1890.3	1750.7	1593.8	1429.8	1352.1
10°	1761.5	1869.5	1900.3	1820.4	1672.2	1496.7	1308.7	1220.0
12.5°	1622.1	1727.9	1751.4	1723.9	1600.0	1423.8	1233.0	1146.1
15°	1508.0	1555.4	1583.5	1607.5	1538.1	1394.7	1228.8	1133.3
17.5°	1438.6	1433.3	1441.3	1483.2	1495.0	1428.1	1294.0	1188.7
20°	1413.5	1333.1	1331.1	1388.7	1474.7	1507.5	1421.3	1295.0
22.5°	1427.3	1297.0	1280.4	1348.9	1485.5	1622.1	1588.2	1444.1
25°	1474.9	1300.0	1286.7	1352.9	1524.6	1744.2	1768.5	1637.1
27.5°	1549.9	1319.0	1301.5	1369.4	1576.5	1846.7	1945.9	1824.1
30°	1621.1	1352.1	1330.3	1402.0	1623.8	1887.3	2054.7	1970.0
32.5°	1707.6	1414.0	1375.7	1461.9	1682.5	1952.0	2151.7	2090.8
35°	1792.3	1502.3	1454.6	1554.4	1747.9	2032.4	2262.5	2245.2
37.5°	1885.3	1617.6	1578.2	1674.0	1837.4	2108.4	2403.9	2426.2
40°	1984.5	1770.5	1723.9	1848.4	1976.3	2203.6	2551.6	2605.2
42.5°	2084.6	1940.2	1884.5	2010.9	2128.9	2297.6	2677.9	2757.4
45°	2199.1	2124.4	2098.1	2234.7	2275.6	2387.1	2771.1	2869.9
47.5°	2332.5	2333.5	2375.8	2430.5	2423.5	2488.4	2864.9	2970.4
50°	2488.1	2594.4	2687.9	2724.3	2575.9	2597.2	2995.0	3105.0
52.5°	2675.1	2906.5	3022.3	2998.5	2740.1	2730.0	3201.0	3290.5
55°	2909.0	3236.9	3352.0	3334.9	2928.8	2911.0	3457.7	3509.9
57.5°	3179.7	3557.0	3662.8	3586.1	3155.4	3109.6	3670.0	3681.1
60°	3417.6	3810.7	3903.4	3818.4	3384.0	3320.9	3802.7	3749.3
62.5°	3550.0	3896.7	3961.8	3870.3	3540.7	3546.0	3831.7	3712.4
65°	3490.8	3679.3	3700.4	3692.9	3500.3	3676.6	3727.2	3542.2
67.5°	3167.0	3129.9	3165.2	3214.1	3154.4	3504.6	3437.7	3171.5
70°	2596.4	2392.6	2463.1	2495.9	2523.0	3015.8	2983.7	2583.1
72.5°	1956.7	1676.2	1731.9	1725.1	1850.4	2419.0	2320.4	1899.3
75°	1386.5	1136.5	1143.6	1140.8	1291.2	1892.6	1680.2	1299.5
77.5°	970.1	823.4	827.2	842.8	868.1	1427.3	1200.5	949.3
80°	667.0	624.9	645.7	647.0	601.6	958.8	886.9	761.8
82.5°	496.8	434.4	429.4	436.7	471.5	776.8	681.6	528.4
85°	406.8	257.2	206.8	259.2	417.9	769.3	452.7	278.7
87.5°	229.1	122.1	55.1	102.3	166.7	509.4	130.8	35.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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