

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: P526937

Luminaire Tested: **GLAN-SA1D-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3439 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

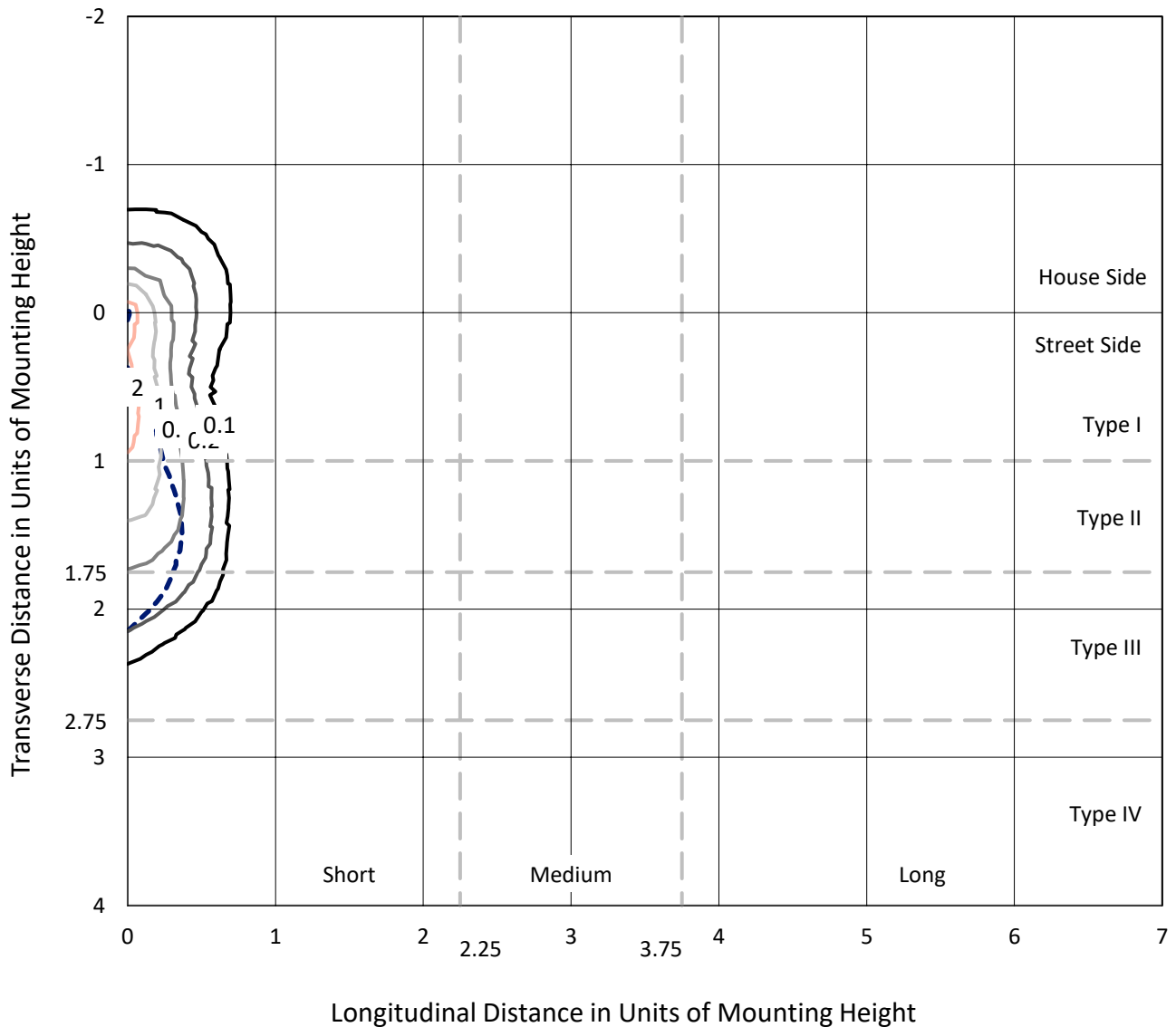
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

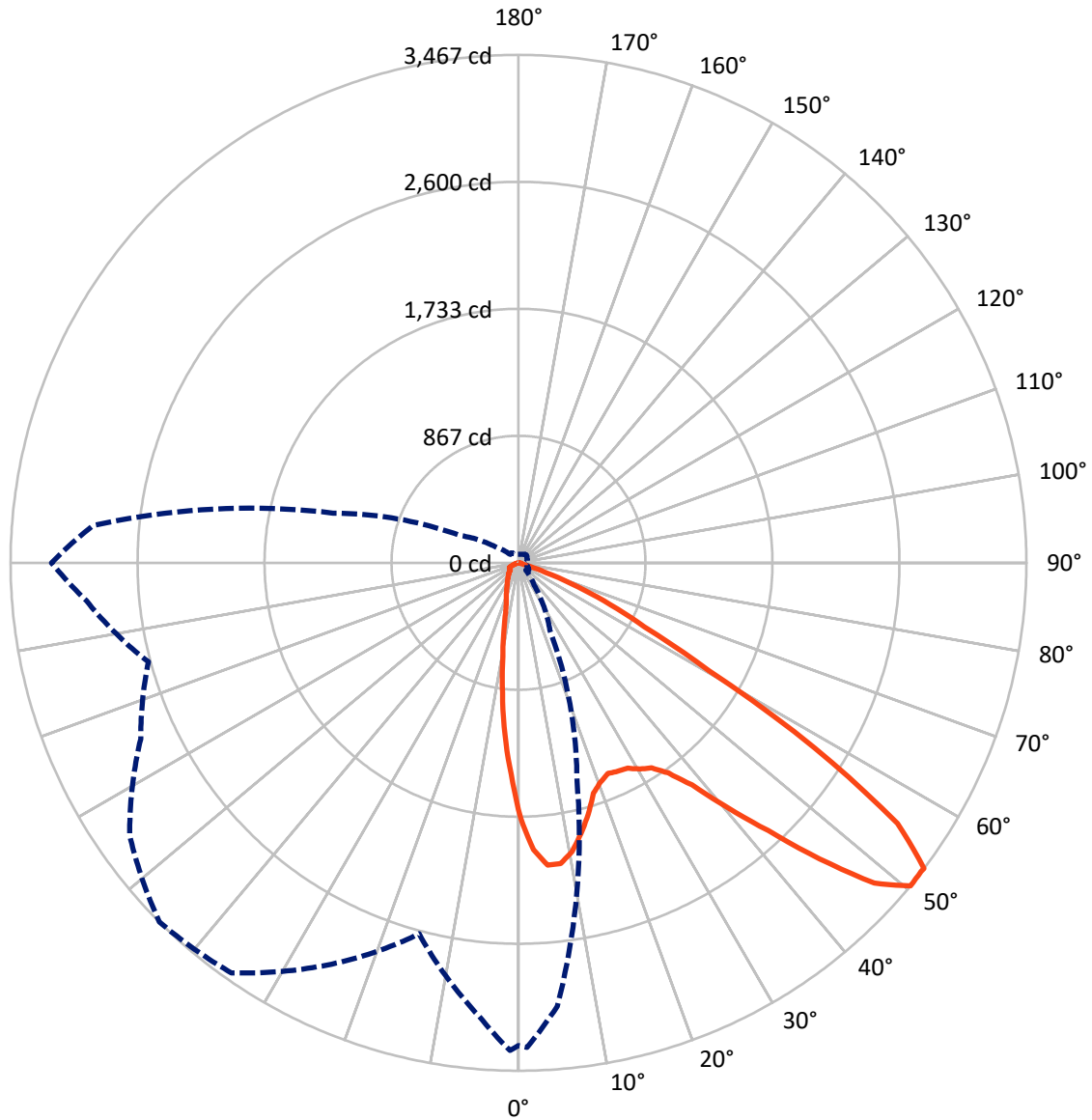
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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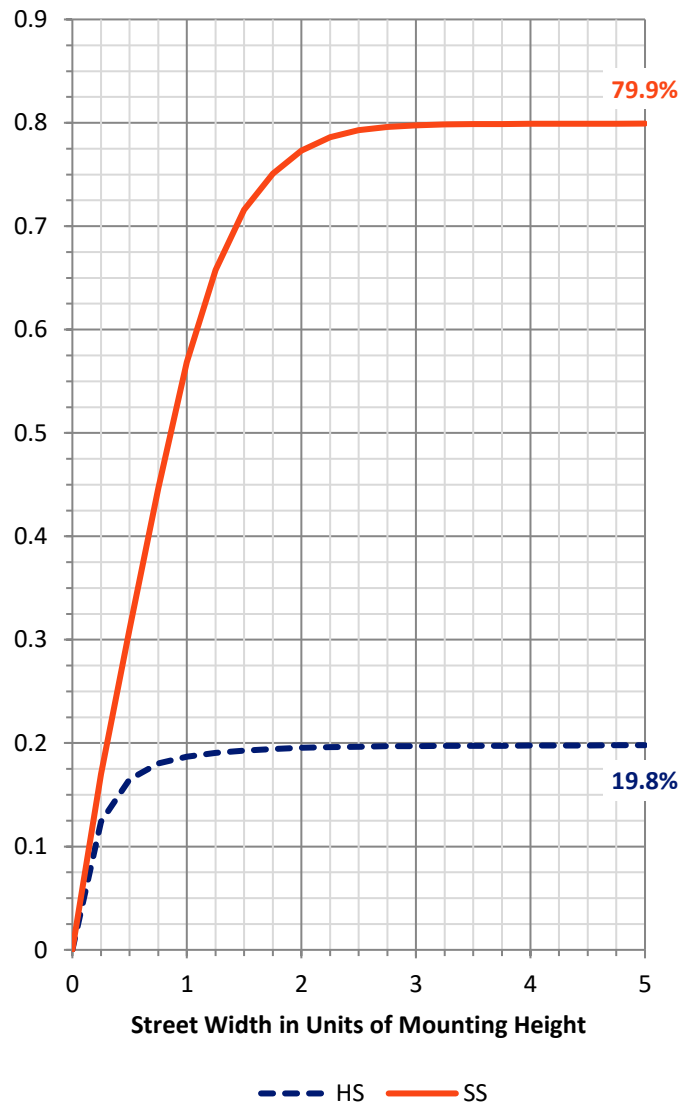
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	688.8	0.0	688.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2750.2	0.0	2750.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	3439.0	0.0	3439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	3.7
10°-20°	252.6	7.3
20°-30°	379.5	11.0
30°-40°	569.7	16.6
40°-50°	800.7	23.3
50°-60°	863.7	25.1
60°-70°	401.0	11.7
70°-80°	37.7	1.1
80°-90°	7.0	0.2
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°	3439.0	100.0
0°-180°	3439.0	100.0

Coefficient of Utilization

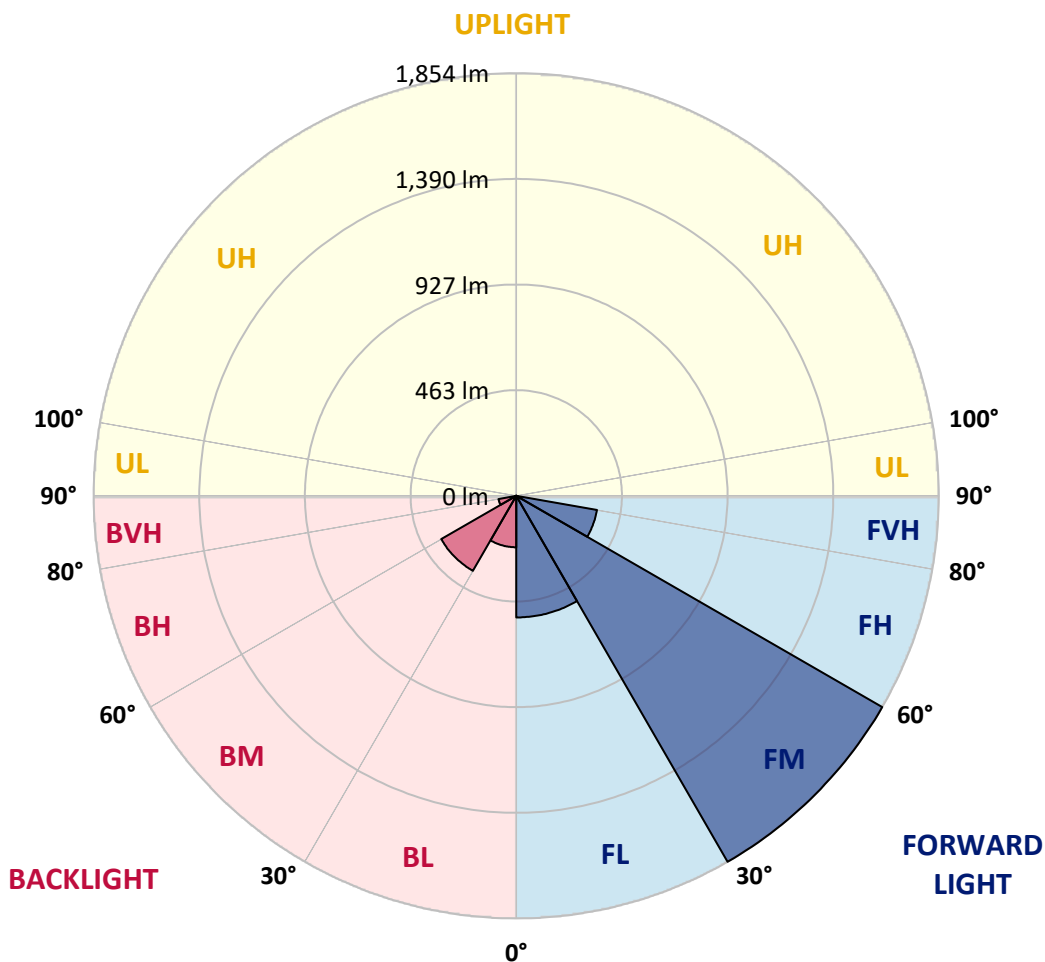


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.5	15.5			
FM (30°-60°)	1853.9	53.9			
FH (60°-80°)	359.6	10.5			G0/660
FVH (80°-90°)	3.1	0.1			G0/10
BL (0°-30°)	225.8	6.6	B1/500		
BM (30°-60°)	380.1	11.1	B1/1000		
BH (60°-80°)	79.1	2.3	B0/110		G0/110
BVH (80°-90°)	3.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0
2.5°	1812.9	1784.9	1749.5	1720.1	1676.5	1588.4	1564.6	1535.9	1512.0	1479.9	1434.9
5°	1648.5	1639.6	1623.2	1512.7	1432.9	1326.4	1239.1	1202.2	1153.8	1114.2	1085.6
7.5°	1522.9	1487.5	1435.6	1324.4	1196.8	1082.8	986.0	929.3	865.2	843.3	804.5
10°	1388.5	1396.7	1320.3	1164.0	1009.8	917.7	857.7	803.1	745.1	706.9	651.6
12.5°	1345.5	1318.9	1260.2	1067.1	935.5	849.5	776.5	708.9	647.5	586.1	532.9
15°	1373.5	1332.6	1250.7	1046.7	878.1	771.0	679.6	588.2	531.5	453.1	397.8
17.5°	1473.8	1441.1	1331.2	1068.5	848.8	696.0	560.2	466.0	379.4	308.4	280.4
20°	1641.0	1594.6	1456.8	1096.5	805.1	605.2	454.4	338.4	256.6	226.5	210.8
22.5°	1804.7	1779.5	1605.5	1150.4	766.2	524.7	341.2	227.9	191.7	186.3	176.0
25°	2116.6	2040.8	1832.7	1248.0	736.2	449.0	257.2	183.5	162.4	158.3	159.7
27.5°	2302.1	2238.7	2042.9	1312.8	702.8	391.0	217.7	168.5	154.2	145.3	141.9
30°	2480.2	2406.5	2147.3	1351.0	631.1	329.6	193.1	161.7	158.3	145.3	141.2
32.5°	2617.4	2545.0	2298.0	1408.3	601.8	290.0	159.0	126.2	117.4	116.0	128.3
35°	2827.5	2750.4	2427.0	1439.7	579.3	269.5	137.8	112.6	102.3	98.3	98.9
37.5°	3023.4	2970.8	2546.4	1452.0	555.4	263.4	123.5	101.0	92.1	89.4	88.7
40°	3187.1	3069.8	2659.7	1464.9	545.2	251.8	114.6	92.1	86.0	81.9	81.9
42.5°	3262.2	3142.8	2786.6	1457.4	542.4	233.4	114.6	84.6	79.8	75.7	75.1
45°	3245.8	3197.3	2843.2	1454.0	542.4	214.9	104.4	82.6	75.7	70.3	68.9
47.5°	3288.1	3224.6	2914.2	1468.3	531.5	202.0	88.0	86.7	71.6	64.8	63.5
50°	3295.6	3307.9	3037.7	1542.7	507.6	185.6	68.9	85.3	68.9	58.7	57.3
52°	3344.7	3268.3	3075.2	1582.3	482.4	173.3	58.0	73.0	66.2	54.6	53.2
52.5°	3277.2	3327.0	3084.1	1596.6	485.1	165.1	56.0	71.6	64.8	54.6	51.2
55°	3201.4	3249.2	3047.9	1627.3	444.9	129.6	43.7	51.9	58.7	47.8	45.7
57.5°	2782.5	2830.9	2648.8	1490.2	362.3	91.4	36.2	38.9	51.9	44.4	42.3
60°	2473.4	2438.6	2223.0	1243.2	257.2	51.2	28.7	30.0	56.6	40.9	40.3
62.5°	2260.5	2186.1	1858.0	960.0	156.9	34.1	22.5	23.2	43.7	38.2	38.2
65°	1672.4	1589.1	1234.3	580.7	77.1	23.9	17.1	18.4	27.3	32.8	32.8
67.5°	954.6	922.5	596.3	262.0	32.1	15.0	13.0	14.3	21.2	26.6	25.2
70°	438.7	393.7	229.3	55.3	15.0	10.2	10.2	11.6	17.1	19.8	18.4
72.5°	128.3	121.5	56.0	8.9	6.1	6.1	6.8	8.9	13.0	15.0	13.6
75°	9.6	6.1	4.1	2.7	2.7	4.1	5.5	8.9	13.0	14.3	11.6
77.5°	0.7	1.4	0.7	0.7	2.0	4.1	6.1	10.9	17.1	17.7	13.0
80°	0.7	0.7	0.0	0.7	2.0	4.1	6.8	12.3	19.1	20.5	10.9
82.5°	0.0	0.0	0.0	0.7	2.7	5.5	8.2	13.0	17.7	21.8	11.6
85°	0.0	0.0	0.0	0.7	4.1	7.5	9.6	3.4	2.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0
2.5°	1467.0	1449.2	1442.4	1448.6	1446.5	1444.5	1482.0	1473.8	1472.4	1484.7	1482.0
5°	1101.3	1069.9	1155.8	1121.0	1157.2	1179.0	1183.1	1185.2	1210.4	1183.8	1218.6
7.5°	784.7	792.9	792.2	815.4	857.0	893.8	915.7	898.6	897.2	893.8	878.8
10°	627.1	612.7	610.0	604.5	617.5	648.9	675.5	654.3	639.3	659.8	653.7
12.5°	512.4	492.6	481.7	459.9	460.6	481.7	481.7	481.7	496.7	508.3	517.2
15°	393.0	376.6	376.6	354.8	350.0	350.7	361.6	363.0	386.9	393.7	397.1
17.5°	275.0	266.1	276.3	285.2	279.8	281.1	285.2	286.6	290.0	287.3	294.1
20°	211.5	210.2	212.9	228.6	240.2	247.0	242.2	235.4	231.3	221.8	221.8
22.5°	179.4	182.2	187.0	199.9	214.9	219.0	213.6	197.9	185.6	184.2	184.9
25°	159.7	162.4	169.9	178.1	186.3	193.1	187.6	176.0	169.2	163.1	163.1
27.5°	147.4	148.7	152.8	159.0	165.8	171.3	169.2	163.1	155.6	152.8	146.7
30°	137.8	139.9	144.7	146.0	152.2	154.9	151.5	150.1	145.3	141.9	139.9
32.5°	133.1	132.4	135.8	137.1	137.8	139.9	135.8	137.8	137.1	131.7	129.6
35°	100.3	105.8	114.6	122.1	124.2	126.9	126.2	123.5	116.0	109.9	102.3
37.5°	90.1	93.5	98.3	104.4	112.6	116.0	114.6	107.8	98.9	94.8	93.5
40°	83.2	85.3	89.4	93.5	101.7	107.8	103.0	96.9	90.1	86.7	84.6
42.5°	77.1	77.8	79.8	83.9	90.1	99.6	91.4	83.2	80.5	78.5	77.1
45°	70.3	70.3	73.0	75.1	81.9	90.7	82.6	75.1	73.7	72.3	71.6
47.5°	64.8	65.5	66.9	69.6	75.1	81.2	75.7	69.6	66.2	65.5	64.1
50°	58.0	58.7	61.4	64.1	71.0	74.4	71.0	64.1	60.7	58.7	58.7
52°	52.5	54.6	57.3	62.8	67.5	73.0	68.9	61.4	57.3	55.3	53.9
52.5°	51.9	53.2	56.0	62.1	67.5	72.3	68.2	60.7	56.0	54.6	53.2
55°	46.4	48.4	53.2	60.7	66.9	72.3	66.9	60.0	53.2	49.8	48.4
57.5°	44.4	45.7	51.9	61.4	66.2	72.3	66.9	60.0	53.2	47.1	45.7
60°	42.3	45.0	51.9	59.4	65.5	73.0	67.5	59.4	51.9	44.4	44.4
62.5°	40.3	42.3	51.2	58.0	62.8	70.3	64.8	58.0	49.8	42.3	41.6
65°	34.8	38.2	45.0	48.4	53.9	60.7	55.3	50.5	43.7	37.5	36.8
67.5°	26.6	28.0	33.4	37.5	40.9	47.1	44.4	38.2	33.4	28.7	28.7
70°	18.4	19.8	23.9	25.9	29.3	32.8	30.7	25.9	22.5	19.8	19.1
72.5°	13.0	13.6	15.0	16.4	17.7	19.1	18.4	15.0	13.0	12.3	11.6
75°	10.2	11.6	12.3	11.6	10.9	10.2	10.2	8.9	7.5	6.8	6.8
77.5°	10.2	10.9	10.2	8.9	7.5	6.8	6.1	5.5	4.1	3.4	4.1
80°	8.9	8.9	8.9	7.5	6.8	6.1	5.5	4.8	4.1	3.4	3.4
82.5°	9.6	9.6	8.9	7.5	7.5	6.1	6.1	5.5	4.8	3.4	3.4
85°	0.0	0.0	0.0	1.4	3.4	6.1	6.1	5.5	4.8	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.4	2.7	3.4	4.1	4.1	4.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0
2.5°	1506.6	1532.5	1581.6	1630.7	1660.8	1696.2	1760.4	1794.5	1838.8	1860.7	1903.7
5°	1213.8	1275.3	1297.1	1353.0	1413.1	1473.1	1568.7	1673.7	1761.1	1821.1	1898.9
7.5°	885.6	900.0	984.6	1022.1	1120.4	1229.5	1359.9	1492.2	1602.8	1701.0	1760.4
10°	663.9	716.4	769.7	841.3	920.4	1033.0	1157.9	1303.9	1447.2	1545.5	1620.5
12.5°	533.6	575.2	646.2	723.3	820.8	895.2	1020.7	1165.4	1351.0	1447.2	1546.1
15°	403.9	457.2	537.7	617.5	720.5	799.0	925.9	1108.1	1346.9	1479.3	1564.6
17.5°	299.5	335.7	408.0	497.4	602.5	713.0	884.3	1101.9	1392.6	1550.2	1638.2
20°	229.3	241.5	287.3	367.1	481.0	625.7	816.7	1128.6	1527.7	1722.9	1812.2
22.5°	185.6	191.0	208.8	264.1	374.6	549.3	784.7	1147.0	1679.9	1929.6	2049.0
25°	161.7	160.3	171.9	195.8	292.7	477.6	743.7	1216.6	1866.1	2172.5	2279.6
27.5°	147.4	147.4	152.8	169.9	242.9	431.2	717.8	1266.4	2053.8	2386.1	2444.1
30°	139.9	141.2	156.9	162.4	202.0	376.0	674.8	1316.9	2233.2	2522.5	2602.4
32.5°	129.6	124.2	120.8	134.4	169.9	326.1	631.8	1338.0	2378.6	2689.7	2757.9
35°	99.6	96.9	101.0	111.2	146.0	283.8	584.1	1361.9	2545.7	2883.5	2897.1
37.5°	90.1	89.4	92.1	101.0	122.8	247.0	549.9	1355.8	2673.3	3043.8	3007.0
40°	83.2	83.2	85.3	92.8	109.9	221.1	514.5	1350.3	2796.8	3224.0	3116.1
42.5°	77.8	77.8	81.2	86.0	104.4	204.0	487.9	1342.8	2900.5	3334.5	3180.3
45°	70.3	72.3	77.8	82.6	105.8	192.4	468.1	1314.1	2936.0	3333.1	3149.6
47.5°	64.8	67.5	73.0	79.8	95.5	189.0	454.4	1288.9	2923.7	3251.2	3053.4
50°	58.7	62.1	69.6	81.2	81.2	182.2	440.1	1311.4	2914.9	3187.8	2961.3
52°	54.6	57.3	66.9	79.1	71.0	167.9	431.2	1355.1	2951.0	3179.6	2920.3
52.5°	53.9	56.0	64.8	77.8	67.5	165.1	425.1	1365.3	2962.6	3159.1	2948.3
55°	47.8	50.5	59.4	60.7	55.3	135.8	405.3	1388.5	2905.3	3118.9	2921.7
57.5°	45.0	46.4	52.5	49.8	47.8	102.3	348.7	1352.4	2580.5	2770.2	2718.4
60°	41.6	43.0	49.1	38.9	40.3	71.6	262.0	1174.3	2072.2	2308.3	2401.8
62.5°	40.3	39.6	46.4	31.4	34.1	51.9	184.9	954.6	1596.6	1900.3	2062.0
65°	35.5	34.8	33.4	26.6	29.3	40.3	110.5	623.0	1125.1	1437.6	1526.3
67.5°	27.3	28.7	24.6	21.2	24.6	31.4	61.4	279.1	590.2	862.5	934.1
70°	19.1	20.5	19.8	18.4	21.8	25.9	35.5	95.5	244.3	453.1	499.5
72.5°	11.6	14.3	15.0	15.7	19.1	22.5	25.2	30.7	64.8	160.3	199.2
75°	6.8	9.6	11.6	13.6	15.7	19.1	21.2	21.8	22.5	30.0	48.4
77.5°	4.8	6.8	10.2	13.0	15.7	19.1	22.5	23.9	22.5	21.2	22.5
80°	4.1	6.8	9.6	12.3	16.4	19.8	22.5	22.5	21.8	19.1	20.5
82.5°	4.1	6.8	10.2	13.0	15.7	19.1	21.8	22.5	20.5	19.1	19.8
85°	4.8	7.5	10.9	13.6	17.1	15.7	14.3	11.6	10.9	8.9	9.6
87.5°	4.8	6.8	6.8	7.5	8.2	8.2	8.2	7.5	6.1	5.5	5.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0	1744.0
2.5°	1905.7	1960.3	1958.3	1959.6	1951.4	1896.2	1869.6	1802.0	1821.1	1812.9
5°	1978.7	2032.6	2079.0	2073.6	2010.8	1935.7	1824.5	1719.4	1690.8	1648.5
7.5°	1905.7	2035.4	2078.3	2072.2	1979.4	1883.2	1705.8	1600.7	1550.9	1522.9
10°	1789.7	1939.8	1993.1	2004.0	1941.2	1795.2	1632.1	1463.6	1437.0	1388.5
12.5°	1723.5	1832.7	1865.5	1894.8	1873.0	1763.8	1576.2	1414.4	1377.6	1345.5
15°	1669.6	1734.5	1748.1	1781.5	1794.5	1735.8	1605.5	1467.7	1376.9	1373.5
17.5°	1719.4	1692.8	1643.0	1653.3	1694.2	1736.5	1681.2	1572.7	1484.7	1473.8
20°	1802.0	1684.6	1572.1	1597.3	1631.4	1761.1	1795.9	1719.4	1669.0	1641.0
22.5°	1896.8	1699.0	1549.5	1561.8	1626.6	1816.3	1981.5	1939.1	1845.0	1804.7
25°	2072.2	1738.5	1567.3	1575.5	1664.2	1893.4	2149.3	2180.7	2124.7	2116.6
27.5°	2243.5	1840.9	1606.2	1587.8	1683.3	1968.5	2251.0	2419.5	2321.2	2302.1
30°	2330.8	1924.1	1664.2	1632.8	1762.4	2014.2	2312.4	2575.1	2489.1	2480.2
32.5°	2464.5	1999.9	1709.2	1669.0	1806.8	2070.8	2427.0	2745.0	2661.7	2617.4
35°	2520.5	2082.4	1808.1	1761.1	1933.7	2150.0	2485.7	2896.4	2870.5	2827.5
37.5°	2628.3	2171.1	1924.8	1922.1	2087.2	2253.0	2591.4	3102.5	3097.7	3023.4
40°	2637.2	2268.0	2109.0	2195.0	2324.7	2432.5	2684.2	3159.8	3237.6	3187.1
42.5°	2650.8	2437.9	2427.7	2498.7	2609.9	2586.7	2687.7	3173.5	3292.2	3262.2
45°	2656.9	2607.8	2751.8	2882.8	2929.2	2788.6	2655.6	3147.5	3320.8	3245.8
47.5°	2607.8	2753.8	3013.8	3266.9	3280.6	2912.8	2641.9	3120.9	3337.9	3288.1
50°	2614.6	2845.3	3240.3	3466.9	3417.1	3022.7	2620.8	3104.5	3329.0	3295.6
52°	2598.3	2847.3	3272.4	3462.8	3428.0	2961.9	2584.6	3041.8	3320.8	3344.7
52.5°	2616.7	2835.0	3239.0	3465.5	3420.5	2992.0	2579.8	3076.6	3325.6	3277.2
55°	2553.2	2689.0	3043.1	3139.3	3132.5	2715.6	2433.1	2961.3	3200.8	3201.4
57.5°	2307.6	2330.8	2386.8	2384.7	2353.3	2135.0	2081.1	2723.1	2853.5	2782.5
60°	2033.3	1706.5	1555.7	1494.3	1459.5	1424.0	1840.9	2491.1	2503.4	2473.4
62.5°	1757.0	1183.1	982.5	965.5	973.7	1103.3	1779.5	2399.0	2325.3	2260.5
65°	1417.9	862.5	713.7	691.2	771.0	910.9	1440.4	1839.5	1726.3	1672.4
67.5°	890.4	629.1	482.4	440.1	536.3	627.1	946.4	1155.8	1028.9	954.6
70°	528.1	351.4	218.3	195.8	220.4	334.3	530.2	576.6	476.9	438.7
72.5°	208.1	129.0	60.7	51.9	53.9	117.4	195.1	190.4	144.0	128.3
75°	56.0	38.9	21.2	17.1	14.3	21.8	31.4	20.5	7.5	9.6
77.5°	25.9	23.2	18.4	14.3	10.9	8.2	4.1	1.4	1.4	0.7
80°	22.5	19.8	17.1	14.3	10.9	6.8	3.4	0.7	0.7	0.7
82.5°	21.2	18.4	15.7	13.0	10.2	6.8	3.4	0.7	0.0	0.0
85°	8.9	11.6	13.0	12.3	10.9	6.8	3.4	0.7	0.0	0.0
87.5°	4.8	4.1	3.4	2.7	2.0	1.4	1.4	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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