

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: P949375

Luminaire Tested: **GLAN-SB4A-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8352 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 114
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



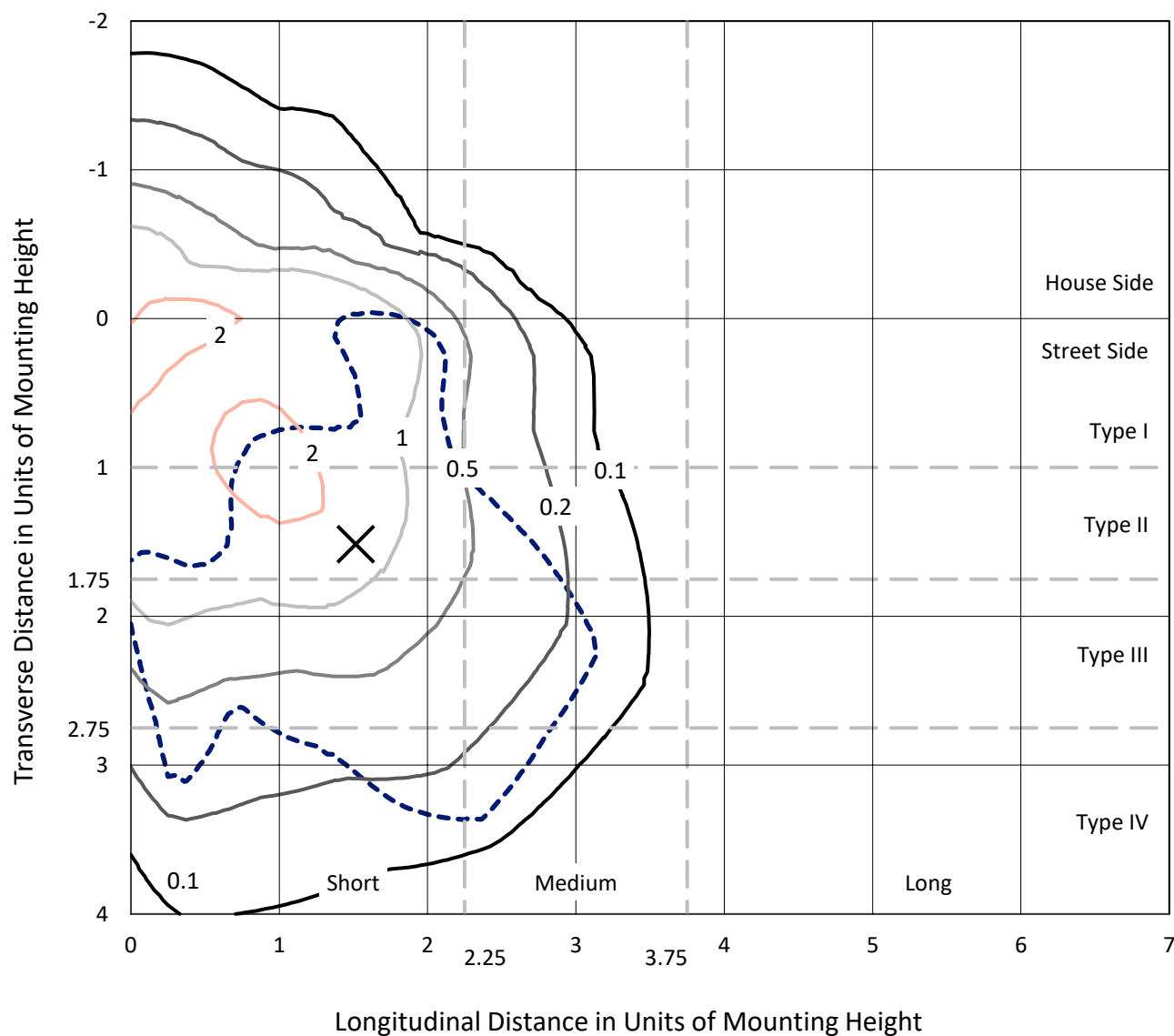
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

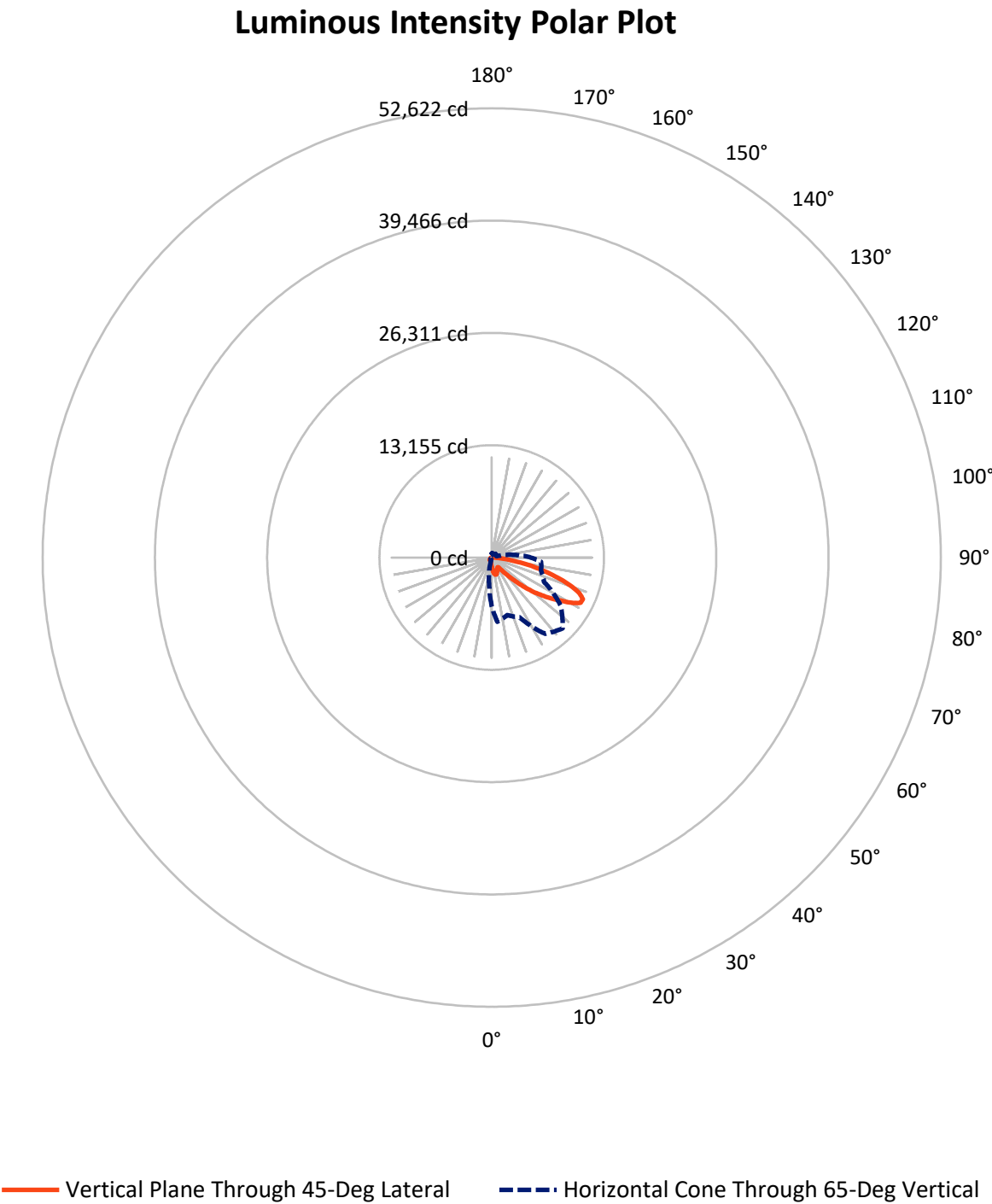
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc

Type IV - Short - N/A

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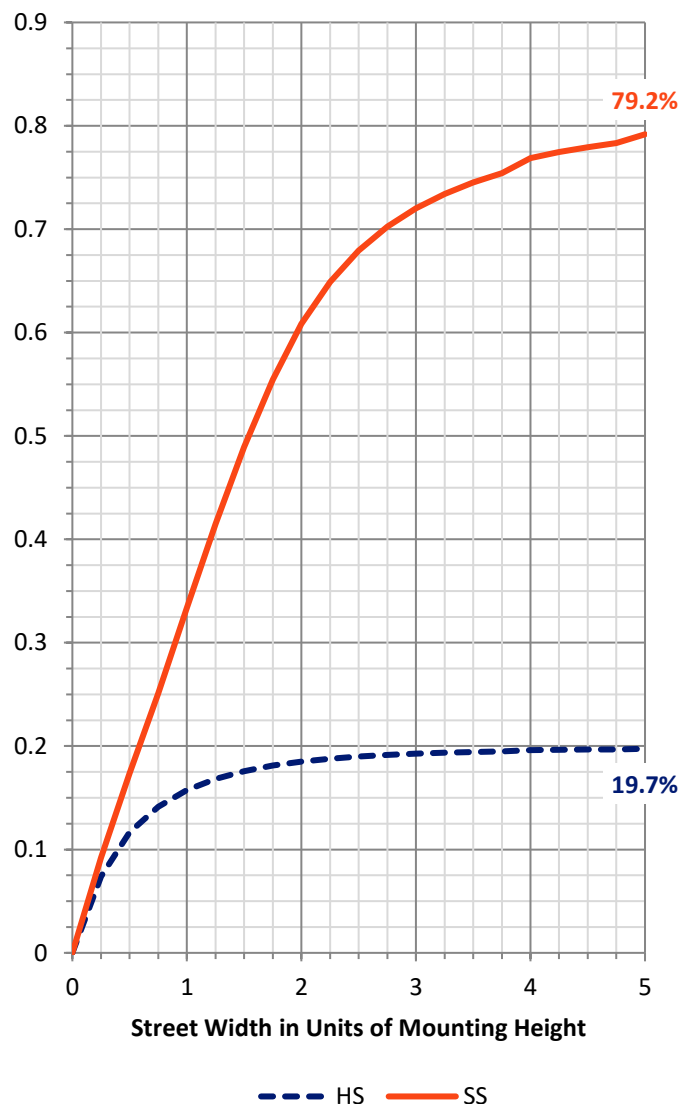
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1660.1	0.0	1660.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	6691.9	0.0	6691.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	8352.0	0.0	8352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	1.4
10°-20°	341.3	4.1
20°-30°	502.8	6.0
30°-40°	646.0	7.7
40°-50°	1044.8	12.5
50°-60°	1832.1	21.9
60°-70°	2292.5	27.4
70°-80°	1339.6	16.0
80°-90°	239.0	2.9
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°	8352.0	100.0
0°-180°	8352.0	100.0

Coefficient of Utilization



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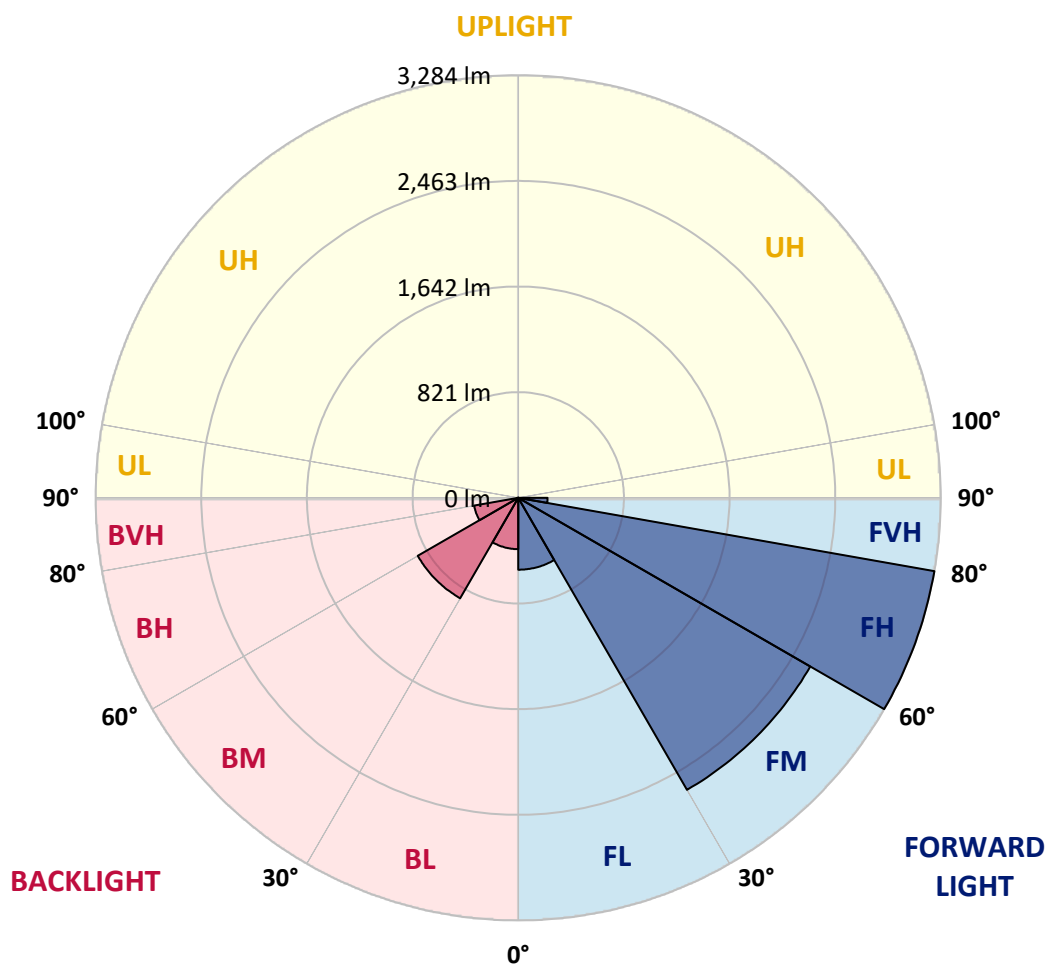
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	558.8	6.7			
FM	(30°-60°)	2621.0	31.4			
FH	(60°-80°)	3284.3	39.3			G2/5000
FVH	(80°-90°)	227.8	2.7			G3/500
BL	(0°-30°)	399.2	4.8	B1/500		
BM	(30°-60°)	901.9	10.8	B1/1000		
BH	(60°-80°)	347.8	4.2	B1/500		G1/500
BVH	(80°-90°)	11.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5
2.5°	1295.7	1305.5	1327.4	1338.9	1356.7	1357.9	1357.9	1342.3	1341.8	1310.1
5°	1448.2	1471.2	1523.0	1576.5	1588.0	1590.9	1585.1	1554.1	1531.0	1469.5
7.5°	1599.5	1643.8	1722.6	1794.0	1817.0	1817.0	1803.2	1752.6	1705.4	1616.2
10°	1724.9	1780.8	1887.8	1967.8	1994.2	1988.5	1960.3	1896.4	1831.4	1723.2
12.5°	1807.8	1870.5	1987.9	2052.3	2079.4	2064.4	2032.2	1970.1	1901.6	1787.7
15°	1849.2	1914.8	2016.7	2050.6	2043.1	2027.6	2023.6	1993.6	1941.9	1835.4
17.5°	1867.1	1928.0	1998.8	1977.5	1914.2	1902.2	1942.4	1980.4	1967.8	1876.8
20°	1883.7	1935.0	1956.2	1861.9	1751.4	1740.5	1817.6	1925.7	1981.0	1915.4
22.5°	1906.8	1938.4	1894.7	1739.9	1620.8	1595.5	1680.6	1843.5	1985.0	1964.3
25°	1938.4	1947.0	1826.8	1624.3	1504.6	1479.3	1558.7	1752.0	1978.1	2017.2
27.5°	1976.4	1958.5	1761.8	1527.6	1411.9	1388.4	1467.8	1664.0	1958.5	2070.2
30°	2025.9	1973.5	1697.3	1452.8	1345.8	1328.5	1405.0	1588.0	1934.4	2137.5
32.5°	2075.9	1979.8	1637.5	1409.1	1330.8	1337.1	1399.9	1547.2	1907.9	2201.9
35°	2130.0	2000.0	1608.1	1452.2	1455.7	1510.9	1536.8	1585.1	1903.9	2289.4
37.5°	2203.7	2044.8	1643.2	1666.8	1786.5	1901.0	1879.7	1771.0	1950.5	2420.0
40°	2309.5	2123.7	1796.3	2032.2	2277.9	2463.7	2382.6	2108.7	2093.2	2608.1
42.5°	2463.7	2249.1	2067.9	2478.7	2895.2	3201.3	2983.8	2544.3	2342.9	2876.8
45°	2691.6	2452.2	2396.4	2949.9	3656.4	4138.6	3686.4	3008.6	2692.7	3283.6
47.5°	3007.4	2750.8	2704.2	3446.4	4581.6	5205.3	4465.4	3439.0	3090.9	3838.3
50°	3426.9	3153.0	2995.9	3989.6	5596.0	6292.8	5243.9	3854.4	3547.1	4516.0
52.5°	3980.4	3714.0	3336.0	4506.8	6639.1	7357.2	6025.8	4219.2	4113.3	5302.6
55°	4735.3	4558.0	3800.9	5000.5	7681.7	8428.0	6777.2	4563.2	4861.3	6237.0
57.5°	5672.0	5798.5	4471.2	5573.0	8619.0	9531.5	7532.1	5044.2	5832.5	7281.8
60°	6276.1	7448.1	5754.8	6419.4	9684.0	10779.5	8566.6	5959.1	6853.2	7656.4
62.5°	6129.9	7972.8	7292.2	7499.9	10663.2	11686.8	9580.4	6877.9	7045.4	7104.6
65°	5681.7	7549.4	6978.6	7709.9	10911.2	11738.0	9851.4	6759.4	5976.3	5800.3
67.5°	5064.9	7047.1	6233.5	7152.9	10463.0	11022.3	9346.8	5979.2	4618.5	4352.6
70°	4399.2	6491.3	5744.4	6528.1	9608.6	9774.9	8488.9	5258.8	3397.0	2939.5
72.5°	3767.5	5912.5	5409.6	5887.7	8468.8	8124.7	7372.2	4621.9	2473.5	2120.2
75°	3121.4	5058.6	4932.6	5127.1	6970.0	6399.8	6125.3	3826.8	1941.3	1533.9
77.5°	2408.5	3952.8	4242.7	4105.8	4906.1	4753.7	4747.9	2875.7	1418.3	1023.6
80°	1648.4	2754.9	3314.7	2896.4	3184.1	3106.4	3575.9	1929.2	1028.8	616.2
82.5°	968.9	1677.2	2307.2	1402.2	1760.6	1807.2	2129.4	938.4	605.3	142.1
85°	393.0	662.2	902.2	548.9	849.2	716.3	808.4	263.5	168.6	3.5
87.5°	99.0	211.7	148.4	61.6	98.4	90.3	71.3	32.2	6.9	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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1156.5	0°	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5
1306.7	2.5°	1284.2	1271.0	1238.2	1205.4	1178.9	1143.3	1119.7	1091.5	1064.4	1040.3
1456.3	5°	1420.0	1376.3	1316.4	1261.8	1206.0	1151.9	1098.4	1042.0	990.2	958.6
1582.8	7.5°	1530.5	1453.4	1374.0	1304.4	1237.0	1173.7	1103.0	1034.5	953.4	910.2
1679.5	10°	1612.7	1511.5	1407.3	1327.4	1259.5	1197.9	1138.1	1069.0	971.2	917.1
1738.2	12.5°	1666.8	1546.6	1424.6	1333.1	1257.2	1209.4	1183.0	1155.9	1058.7	995.4
1781.3	15°	1704.2	1571.3	1436.7	1319.9	1226.7	1191.6	1218.0	1249.1	1187.0	1113.9
1826.2	17.5°	1745.1	1603.5	1441.9	1284.2	1167.4	1152.5	1220.9	1292.8	1290.0	1217.5
1868.8	20°	1788.2	1631.7	1438.4	1226.7	1095.5	1108.7	1196.2	1279.6	1314.7	1275.6
1917.7	22.5°	1832.5	1658.8	1425.2	1151.9	1028.2	1069.6	1157.1	1230.1	1271.6	1259.5
1977.5	25°	1888.3	1696.8	1405.6	1071.3	972.4	1029.9	1111.6	1170.9	1199.6	1199.1
2042.0	27.5°	1955.1	1747.4	1395.3	1006.3	932.7	985.0	1057.5	1110.5	1130.6	1130.6
2121.9	30°	2032.8	1807.2	1383.8	963.7	909.7	938.4	994.8	1046.6	1066.7	1066.7
2209.4	32.5°	2119.1	1864.8	1356.1	937.8	892.4	893.0	928.6	975.8	1000.0	1003.4
2318.7	35°	2222.6	1926.3	1295.7	917.1	872.3	848.7	865.9	905.1	933.8	941.3
2474.6	37.5°	2358.4	2001.7	1209.4	886.6	841.2	802.1	806.1	836.0	867.7	879.2
2689.8	40°	2540.8	2090.3	1119.7	842.9	797.5	750.9	749.1	771.0	802.1	814.7
2981.0	42.5°	2781.9	2196.7	1033.9	800.9	744.5	696.8	693.9	711.2	738.2	751.4
3365.3	45°	3090.3	2327.4	960.3	768.1	692.7	645.6	644.4	658.8	682.4	696.2
3857.3	47.5°	3518.9	2458.0	910.2	750.9	651.9	603.6	605.9	618.5	639.8	649.6
4494.2	50°	4077.6	2497.7	884.9	750.9	630.0	566.2	577.7	588.0	604.1	609.9
5257.7	52.5°	4613.9	2366.5	861.9	755.5	632.9	534.5	559.3	566.7	580.5	582.8
5965.4	55°	4876.8	2034.5	830.3	756.6	650.7	507.5	544.3	558.1	563.3	562.7
6376.2	57.5°	4786.5	1645.0	776.7	752.0	662.8	490.2	525.9	552.4	555.8	550.6
6298.0	60°	4469.4	1211.1	735.9	718.1	658.2	485.0	497.7	539.7	544.9	538.0
5695.0	62.5°	3937.8	840.6	704.2	643.3	638.1	483.3	453.4	512.1	524.7	515.0
4577.6	65°	3100.1	593.8	606.4	563.9	594.4	474.1	407.4	478.7	496.0	481.0
3321.0	67.5°	2097.8	428.6	491.4	510.9	523.6	453.4	374.0	440.7	463.7	444.2
2131.2	70°	1132.9	300.9	324.5	430.4	444.8	417.7	344.1	402.2	428.6	407.4
1514.9	72.5°	669.2	216.3	227.3	345.8	370.5	367.7	310.7	357.3	389.5	364.2
1045.4	75°	368.8	146.1	162.3	250.9	300.9	283.7	267.0	302.6	335.4	310.7
655.3	77.5°	165.1	87.5	112.8	164.6	236.5	194.5	206.6	235.9	266.4	240.5
364.8	80°	63.9	48.9	74.8	89.8	172.0	107.6	132.9	173.8	195.6	174.9
79.4	82.5°	8.1	21.9	32.2	35.1	100.1	57.0	77.1	109.3	107.6	93.2
0.0	85°	0.0	4.0	4.6	2.3	43.2	20.7	25.3	35.7	33.4	25.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
1156.5	0°	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5
1035.7	2.5°	1007.5	986.8	976.4	967.8	975.8	980.4	980.4	1000.0	1011.5	1016.1
938.4	5°	887.8	849.2	823.3	807.8	813.0	818.7	825.1	849.8	866.5	877.4
871.1	7.5°	793.4	734.7	698.5	679.5	682.4	686.4	691.6	715.8	732.4	746.8
858.4	10°	746.8	664.0	616.2	593.2	589.2	586.9	585.1	599.5	612.2	623.7
910.2	12.5°	749.1	633.5	575.4	547.2	535.1	521.3	510.3	512.7	520.7	535.1
1002.9	15°	778.5	623.7	554.1	519.0	498.8	482.7	469.5	466.6	469.5	471.8
1108.7	17.5°	818.2	622.5	535.7	491.9	471.2	458.0	445.9	441.9	442.5	445.3
1178.9	20°	849.8	619.1	515.0	466.0	447.6	436.1	424.0	420.0	421.2	421.7
1185.8	22.5°	866.5	613.9	491.9	440.2	424.6	413.1	402.2	401.6	401.6	405.1
1148.4	25°	866.5	603.0	471.2	415.4	401.6	391.2	378.0	380.3	381.5	386.1
1090.3	27.5°	845.8	582.3	454.5	394.1	379.7	369.4	357.3	360.2	361.9	367.1
1032.8	30°	819.3	557.5	435.6	374.0	357.3	349.8	339.5	340.6	342.9	348.7
979.3	32.5°	791.1	528.2	420.0	353.8	337.2	331.4	319.9	321.6	323.9	330.3
926.3	35°	760.1	493.7	401.6	335.4	318.8	314.1	300.9	302.1	305.5	312.4
869.4	37.5°	727.3	465.5	383.2	317.6	300.3	295.7	281.9	283.1	287.1	295.2
809.5	40°	695.0	437.9	363.6	298.6	281.4	277.3	262.4	263.5	268.1	276.8
749.1	42.5°	659.9	416.6	338.3	279.1	260.6	256.6	242.8	244.5	249.7	258.3
693.3	45°	617.9	402.8	310.1	260.6	239.9	235.9	223.2	226.7	232.4	241.1
645.6	47.5°	574.8	397.0	286.5	241.1	218.6	215.2	204.8	210.6	216.9	223.8
604.7	50°	533.4	389.5	262.4	222.7	200.2	196.8	189.9	197.4	203.7	210.0
575.4	52.5°	486.2	373.4	240.5	206.6	184.7	183.5	180.1	187.0	192.7	198.5
550.0	55°	437.3	347.5	221.5	192.2	171.5	172.6	170.9	176.6	181.2	186.4
527.0	57.5°	394.7	314.7	206.6	176.6	160.0	163.4	161.1	164.0	166.9	173.2
499.4	60°	351.5	275.6	189.9	158.2	148.4	152.5	146.1	145.6	146.7	148.4
458.6	62.5°	293.4	234.7	169.2	142.1	135.8	137.5	125.4	116.2	116.2	117.9
401.6	65°	235.9	196.8	146.1	123.7	118.5	117.4	100.1	87.5	86.3	91.5
335.4	67.5°	193.9	163.4	123.1	103.0	99.5	100.7	88.0	75.4	74.2	80.0
273.3	70°	160.5	131.8	98.4	79.4	82.9	88.0	75.4	63.3	61.6	66.7
222.1	72.5°	127.7	103.0	75.4	58.7	68.5	74.8	61.6	50.1	48.9	53.5
171.5	75°	93.8	73.6	51.2	42.6	52.9	58.7	44.9	35.7	33.9	38.0
114.5	77.5°	58.1	41.4	32.2	25.3	36.2	39.1	23.6	20.7	20.1	23.0
69.6	80°	27.0	17.8	15.5	8.6	13.2	15.5	9.8	10.9	11.5	13.8
35.1	82.5°	7.5	2.9	0.6	0.0	0.0	4.6	2.3	4.6	5.8	8.6
2.9	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.9	5.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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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CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
1156.5	0°	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5	1156.5
1048.3	2.5°	1072.5	1095.5	1132.3	1170.3	1207.7	1245.7	1282.5	1295.7
927.5	5°	972.9	1025.9	1098.9	1177.2	1257.7	1339.5	1414.2	1448.2
802.6	7.5°	861.9	937.8	1047.7	1170.3	1298.6	1426.9	1544.9	1599.5
678.9	10°	743.4	839.5	964.9	1130.6	1314.7	1491.9	1654.2	1724.9
570.2	12.5°	630.6	731.3	870.0	1068.5	1302.1	1529.3	1724.4	1807.8
493.7	15°	536.2	625.4	775.0	994.8	1261.2	1531.6	1757.7	1849.2
451.1	17.5°	465.5	523.6	678.4	913.1	1207.7	1510.3	1769.2	1867.1
428.1	20°	430.4	446.5	552.9	808.4	1157.6	1490.2	1780.8	1883.7
409.7	22.5°	409.7	413.7	452.2	673.2	1097.8	1483.9	1800.9	1906.8
393.0	25°	393.0	394.1	404.5	533.4	1006.3	1479.8	1832.0	1938.4
375.7	27.5°	376.3	376.3	382.0	429.8	882.0	1462.6	1872.2	1976.4
358.5	30°	359.6	359.6	363.6	380.3	736.5	1428.6	1920.6	2025.9
341.2	32.5°	342.3	342.3	345.8	357.9	588.0	1386.1	1964.9	2075.9
323.4	35°	325.1	323.9	328.5	341.2	467.8	1332.0	2009.2	2130.0
305.5	37.5°	306.7	306.1	310.7	325.1	403.9	1269.3	2042.5	2203.7
287.7	40°	287.1	287.1	292.3	307.8	385.5	1190.4	2095.5	2309.5
269.3	42.5°	269.3	268.1	273.9	292.9	371.7	1115.1	2190.4	2463.7
252.6	45°	252.0	249.7	254.9	278.5	347.5	1088.6	2367.6	2691.6
236.5	47.5°	235.9	230.1	234.7	261.2	325.7	1187.6	2657.6	3007.4
222.1	50°	222.7	211.7	215.8	244.0	309.0	1402.2	3033.9	3426.9
208.9	52.5°	208.9	194.5	196.8	222.7	294.0	1606.4	3441.8	3980.4
195.6	55°	194.5	178.4	179.5	201.4	272.7	1636.9	3840.0	4735.3
180.7	57.5°	178.4	163.4	163.4	181.8	257.2	1418.9	4146.1	5672.0
162.3	60°	160.5	150.7	147.9	166.3	271.0	1001.1	4181.8	6276.1
138.7	62.5°	141.0	135.8	131.8	151.3	281.4	593.2	3894.6	6129.9
109.3	65°	118.5	117.4	114.5	166.3	237.1	350.4	3343.4	5681.7
93.2	67.5°	99.5	97.8	97.8	174.3	180.1	220.4	2612.2	5064.9
79.4	70°	85.7	79.4	79.4	131.8	109.3	152.5	1823.9	4399.2
65.6	72.5°	71.9	65.0	60.4	105.3	81.7	111.6	1139.8	3767.5
50.1	75°	57.5	52.4	46.6	69.6	61.0	84.6	662.2	3121.4
31.6	77.5°	41.4	39.1	32.8	51.2	44.3	61.0	394.1	2408.5
19.6	80°	21.3	21.9	20.7	29.3	29.9	41.4	224.4	1648.4
12.7	82.5°	12.7	9.8	10.9	14.4	17.3	23.6	84.6	968.9
9.2	85°	8.1	5.2	5.2	6.9	8.6	9.2	25.9	393.0
4.6	87.5°	4.0	1.7	2.3	3.5	2.9	2.3	1.2	99.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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