

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: P691427

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6277.1 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

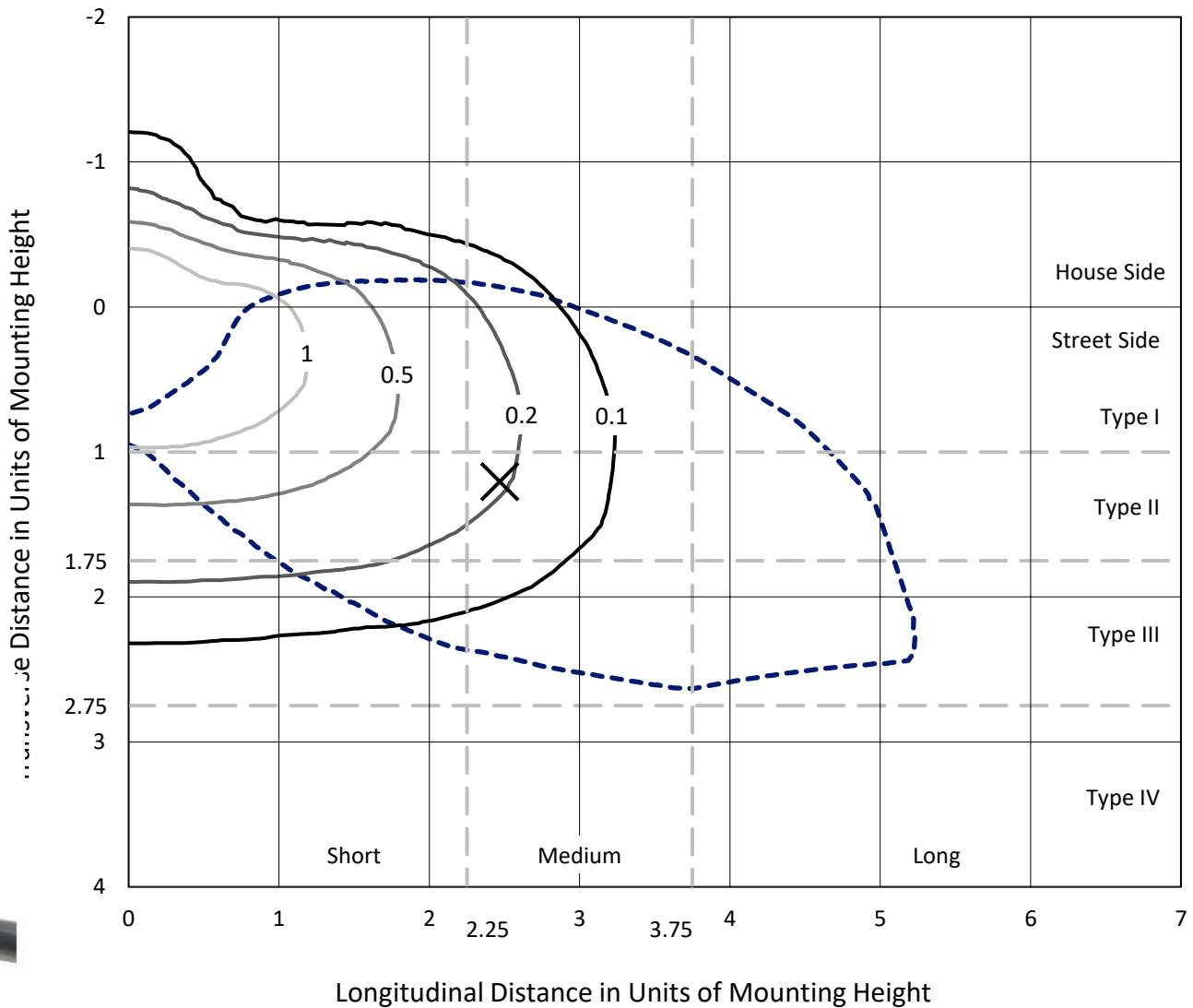
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

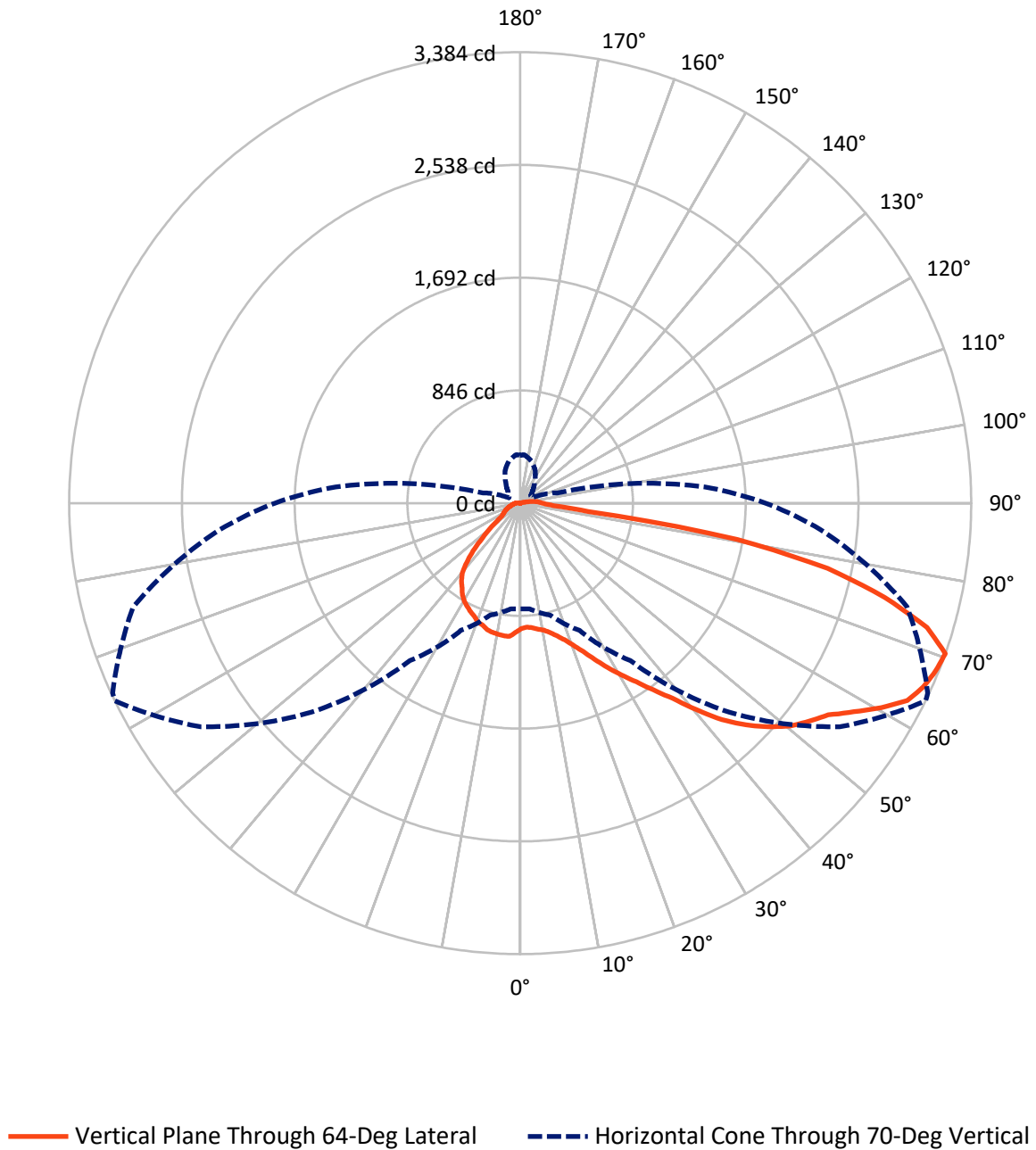
✕ Max cd
 --- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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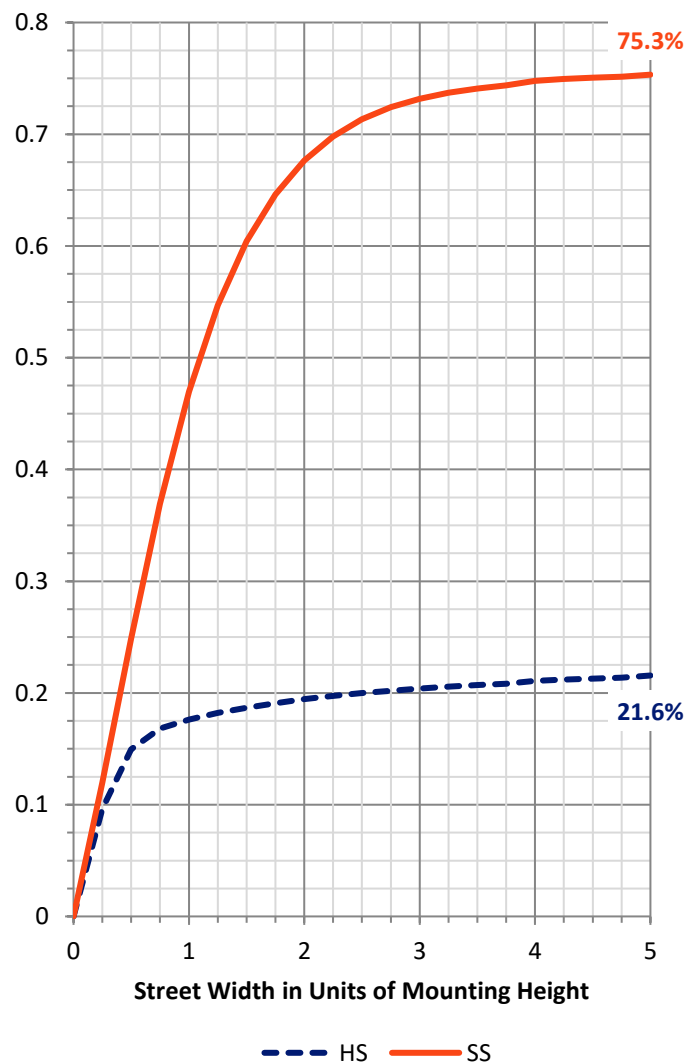
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1431.0	38.8	1469.8
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	4757.2	50.1	4807.3
	% Fixture	75.8	0.8	76.6
Total	Lumens	6188.2	88.9	6277.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	1.5
10°-20°	292.2	4.7
20°-30°	507.0	8.1
30°-40°	735.7	11.7
40°-50°	987.3	15.7
50°-60°	1193.8	19.0
60°-70°	1285.0	20.5
70°-80°	882.6	14.1
80°-90°	210.6	3.4
90°-100°	76.2	1.2
100°-110°	9.6	0.2
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6188.2	98.6
0°-180°	6277.1	100.0

Coefficient of Utilization



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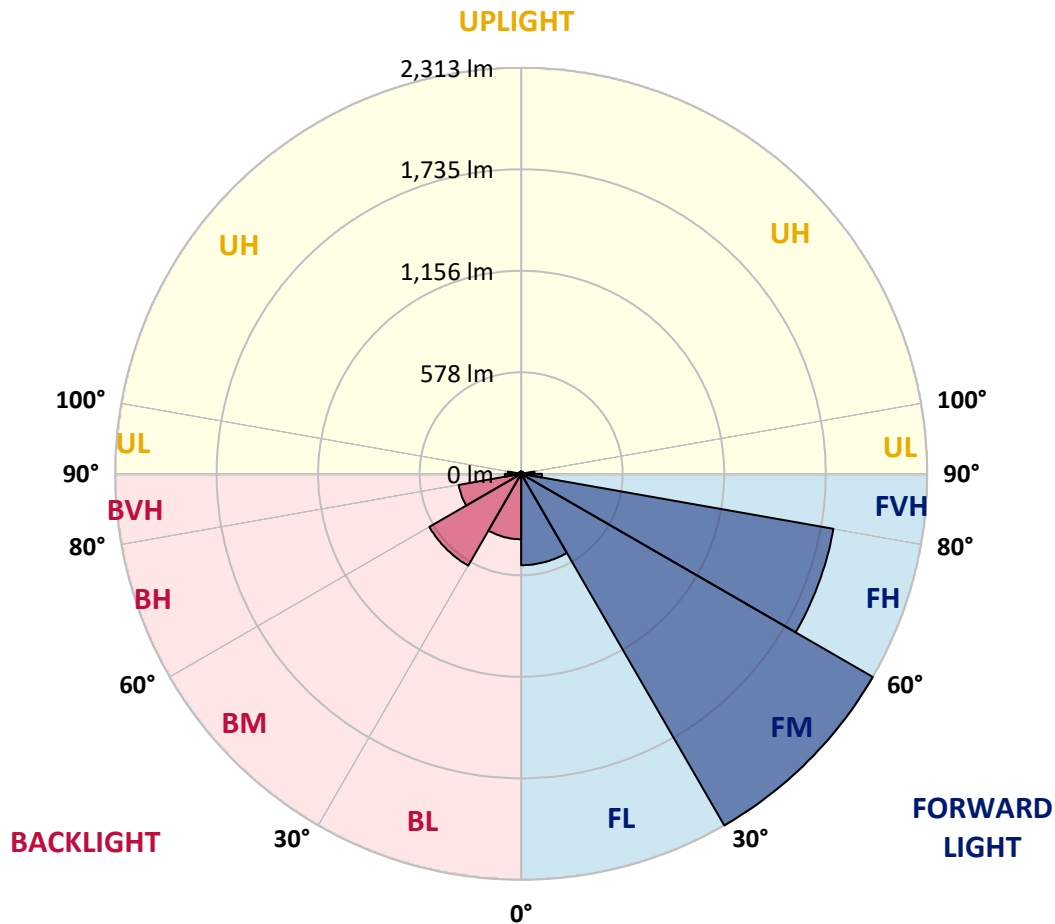
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.4	8.3			
FM	(30°-60°)	2312.9	36.8			
FH	(60°-80°)	1806.0	28.8			G2/5000
FVH	(80°-90°)	117.8	1.9			G2/225
BL	(0°-30°)	372.7	5.9	B1/500		
BM	(30°-60°)	603.9	9.6	B1/1000		
BH	(60°-80°)	361.6	5.8	B1/500		G1/500
BVH	(80°-90°)	92.8	1.5			G1/100
UL	(90°-100°)	76.2	1.2		U3/500	
UH	(100°-180°)	12.7	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0
2.5°	933.8	933.8	931.8	931.8	933.8	935.9	933.8	931.8	933.8	935.9	942.0
5°	970.8	968.8	966.7	958.5	950.3	944.1	940.0	937.9	940.0	948.2	962.6
7.5°	995.5	993.5	993.5	991.4	983.2	966.7	956.4	954.4	954.4	956.4	974.9
10°	1046.9	1042.8	1034.6	1020.2	1012.0	991.4	972.9	968.8	968.8	972.9	995.5
12.5°	1102.5	1094.2	1096.3	1079.8	1055.2	1032.5	1005.8	995.5	991.4	995.5	1007.9
15°	1178.6	1172.4	1155.9	1137.4	1112.8	1081.9	1049.0	1032.5	1030.5	1036.7	1026.4
17.5°	1234.1	1225.9	1227.9	1201.2	1180.6	1139.5	1108.6	1077.8	1077.8	1086.0	1059.3
20°	1291.7	1287.6	1293.8	1287.6	1256.7	1219.7	1174.5	1137.4	1131.3	1135.4	1096.3
22.5°	1365.7	1359.6	1359.6	1361.6	1337.0	1299.9	1246.5	1209.4	1207.4	1190.9	1137.4
25°	1441.9	1435.7	1433.6	1437.7	1433.6	1390.4	1334.9	1297.9	1291.7	1269.1	1193.0
27.5°	1513.8	1513.8	1515.9	1520.0	1526.2	1491.2	1437.7	1396.6	1396.6	1371.9	1267.0
30°	1567.3	1567.3	1585.8	1594.1	1600.2	1592.0	1534.4	1495.3	1499.4	1466.5	1351.4
32.5°	1616.7	1618.7	1639.3	1659.9	1666.0	1672.2	1622.9	1598.2	1598.2	1567.3	1441.9
35°	1666.0	1666.0	1694.8	1736.0	1756.6	1750.4	1727.8	1719.5	1721.6	1715.4	1575.5
37.5°	1705.1	1709.2	1752.4	1803.9	1832.7	1842.9	1830.6	1857.3	1882.0	1900.5	1750.4
40°	1744.2	1744.2	1785.3	1840.9	1892.3	1921.1	1937.6	2038.3	2056.9	2063.0	1849.1
42.5°	1703.1	1713.4	1799.7	1882.0	1947.8	1997.2	2071.2	2221.4	2244.0	2174.1	1982.8
45°	1664.0	1676.3	1762.7	1900.5	1995.1	2093.9	2221.4	2373.6	2392.1	2287.2	2063.0
47.5°	1624.9	1639.3	1733.9	1884.1	2038.3	2200.8	2338.6	2507.3	2515.5	2379.8	2153.5
50°	1583.8	1598.2	1699.0	1865.6	2065.1	2309.8	2455.9	2628.7	2628.7	2462.0	2207.0
52.5°	1532.4	1548.8	1651.7	1836.8	2085.6	2383.9	2562.8	2717.1	2700.6	2560.8	2266.6
55°	1466.5	1489.2	1598.2	1795.6	2093.9	2423.0	2630.7	2803.5	2799.4	2682.1	2342.8
57.5°	1396.6	1415.1	1532.4	1742.2	2085.6	2449.7	2702.7	2953.6	2959.8	2787.0	2402.4
60°	1318.4	1330.8	1443.9	1668.1	2032.2	2497.0	2865.2	3114.1	3122.3	2883.7	2425.0
62.5°	1215.6	1223.8	1330.8	1567.3	1960.2	2527.9	2982.4	3260.1	3256.0	2970.1	2429.1
65°	1086.0	1096.3	1197.1	1433.6	1853.2	2507.3	3011.2	3323.9	3328.0	3011.2	2423.0
67.5°	960.5	966.7	1051.1	1256.7	1680.4	2408.6	2982.4	3360.9	3379.4	3046.2	2363.3
70°	793.9	796.0	870.0	1053.1	1441.9	2219.3	2924.8	3383.5	3373.2	3005.1	2260.5
72.5°	610.9	612.9	668.5	806.3	1121.0	1890.2	2721.2	3192.2	3173.7	2778.8	2038.3
75°	434.0	442.2	475.1	565.6	750.8	1380.1	2328.4	2826.1	2838.5	2472.3	1699.0
77.5°	246.8	255.0	281.8	353.8	431.9	773.4	1758.6	2357.2	2365.4	2079.5	1304.0
80°	107.0	109.0	119.3	168.7	230.4	370.2	900.9	1651.7	1770.9	1413.1	744.6
82.5°	90.5	90.5	94.6	98.7	100.8	168.7	349.7	512.2	528.6	417.5	242.7
85°	78.2	78.2	82.3	86.4	88.4	115.2	211.9	257.1	267.4	238.6	170.7
87.5°	61.7	61.7	67.9	72.0	72.0	94.6	158.4	191.3	197.5	191.3	152.2
90°	55.5	55.5	53.5	53.5	55.5	67.9	123.4	160.4	166.6	203.6	174.8
92.5°	47.3	49.4	49.4	49.4	43.2	49.4	88.4	141.9	154.3	201.6	158.4
95°	47.3	45.3	45.3	43.2	41.1	43.2	65.8	123.4	137.8	174.8	133.7
97.5°	32.9	30.9	32.9	35.0	37.0	39.1	55.5	90.5	100.8	135.8	98.7
100°	20.6	20.6	20.6	20.6	24.7	26.7	45.3	55.5	61.7	86.4	65.8
102.5°	12.3	10.3	10.3	10.3	12.3	16.5	22.6	30.9	32.9	49.4	39.1
105°	4.1	4.1	4.1	4.1	6.2	8.2	8.2	12.3	12.3	16.5	16.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
180°	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°	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0
2.5°	946.2	950.3	958.5	968.8	981.1	991.4	999.6	1001.7	1005.8	1005.8	1009.9
5°	966.7	974.9	987.3	1001.7	1007.9	1003.7	1003.7	1005.8	1009.9	1020.2	1024.3
7.5°	989.3	995.5	995.5	1001.7	1014.0	1009.9	1007.9	1005.8	1005.8	1001.7	1007.9
10°	997.6	989.3	999.6	997.6	993.5	1001.7	1003.7	991.4	993.5	993.5	995.5
12.5°	999.6	999.6	991.4	991.4	991.4	972.9	968.8	979.1	968.8	972.9	970.8
15°	1022.3	1005.8	995.5	983.2	966.7	960.5	946.2	929.7	929.7	933.8	933.8
17.5°	1038.7	1022.3	991.4	958.5	952.3	923.5	913.2	909.1	907.1	909.1	913.2
20°	1063.4	1038.7	987.3	954.4	900.9	890.6	872.1	870.0	865.9	851.5	847.4
22.5°	1096.3	1057.2	985.2	919.4	876.2	841.3	808.3	787.8	785.7	775.4	769.3
25°	1133.3	1094.2	993.5	903.0	831.0	779.5	752.8	705.5	682.9	691.1	687.0
27.5°	1209.4	1137.4	1007.9	880.3	793.9	713.7	652.0	623.2	594.4	594.4	598.5
30°	1279.4	1193.0	1007.9	859.8	732.2	635.6	555.3	510.1	497.8	489.5	485.4
32.5°	1384.3	1262.9	1051.1	831.0	674.6	534.8	444.3	390.8	392.9	401.1	399.0
35°	1505.6	1374.0	1063.4	789.8	590.3	434.0	343.5	314.7	331.2	335.3	335.3
37.5°	1651.7	1509.7	1118.9	756.9	501.9	320.9	271.5	259.2	273.6	271.5	279.7
40°	1731.9	1575.5	1166.2	715.8	384.6	236.5	209.8	201.6	224.2	242.7	246.8
42.5°	1845.0	1653.7	1211.5	637.6	261.2	172.8	160.4	187.2	220.1	240.7	242.7
45°	1906.7	1699.0	1193.0	541.0	166.6	139.9	156.3	189.2	224.2	244.8	246.8
47.5°	1980.7	1758.6	1160.1	421.7	133.7	137.8	158.4	193.3	230.4	248.9	248.9
50°	2054.8	1818.3	1079.8	331.2	125.5	135.8	162.5	195.4	228.3	240.7	240.7
52.5°	2098.0	1869.7	985.2	240.7	123.4	135.8	164.5	197.5	226.3	232.4	232.4
55°	2137.1	1873.8	903.0	178.9	121.4	137.8	166.6	201.6	228.3	234.5	232.4
57.5°	2159.7	1847.1	845.4	154.3	119.3	137.8	168.7	205.7	244.8	259.2	255.0
60°	2147.4	1805.9	802.2	144.0	117.2	137.8	170.7	218.0	310.6	335.3	327.0
62.5°	2126.8	1777.1	711.7	131.6	113.1	137.8	172.8	246.8	345.6	357.9	347.6
65°	2100.0	1692.8	608.8	119.3	109.0	135.8	174.8	267.4	329.1	329.1	327.0
67.5°	1989.0	1579.7	454.6	107.0	102.8	135.8	178.9	263.3	316.8	343.5	343.5
70°	1840.9	1390.4	300.3	94.6	96.7	131.6	187.2	267.4	327.0	364.1	359.9
72.5°	1559.1	1153.9	166.6	82.3	88.4	129.6	187.2	283.8	353.8	394.9	388.7
75°	1273.2	853.6	119.3	74.0	80.2	125.5	189.2	294.1	378.5	421.7	411.4
77.5°	896.8	489.5	94.6	63.8	72.0	119.3	187.2	290.0	390.8	429.9	417.5
80°	378.5	176.9	78.2	57.6	61.7	107.0	172.8	277.7	390.8	454.6	448.4
82.5°	170.7	125.5	67.9	51.4	57.6	88.4	160.4	267.4	378.5	456.6	493.6
85°	133.7	102.8	57.6	45.3	51.4	84.3	144.0	255.0	362.0	421.7	462.8
87.5°	127.5	102.8	51.4	41.1	47.3	72.0	111.1	236.5	325.0	388.7	421.7
90°	137.8	107.0	41.1	35.0	43.2	63.8	90.5	199.5	281.8	341.4	341.4
92.5°	127.5	98.7	30.9	26.7	45.3	51.4	86.4	123.4	203.6	170.7	211.9
95°	107.0	82.3	20.6	18.5	43.2	43.2	47.3	57.6	141.9	4.1	0.0
97.5°	78.2	59.6	12.3	10.3	32.9	35.0	22.6	26.7	57.6	0.0	0.0
100°	57.6	39.1	8.2	8.2	20.6	28.8	14.4	14.4	0.0	0.0	0.0
102.5°	30.9	20.6	6.2	4.1	10.3	16.5	6.2	4.1	0.0	0.0	0.0
105°	16.5	8.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
107.5°	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.1	2.1	2.1	2.1	2.1	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°
112.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
122.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
132.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
135°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)