

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: P690859

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7618 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

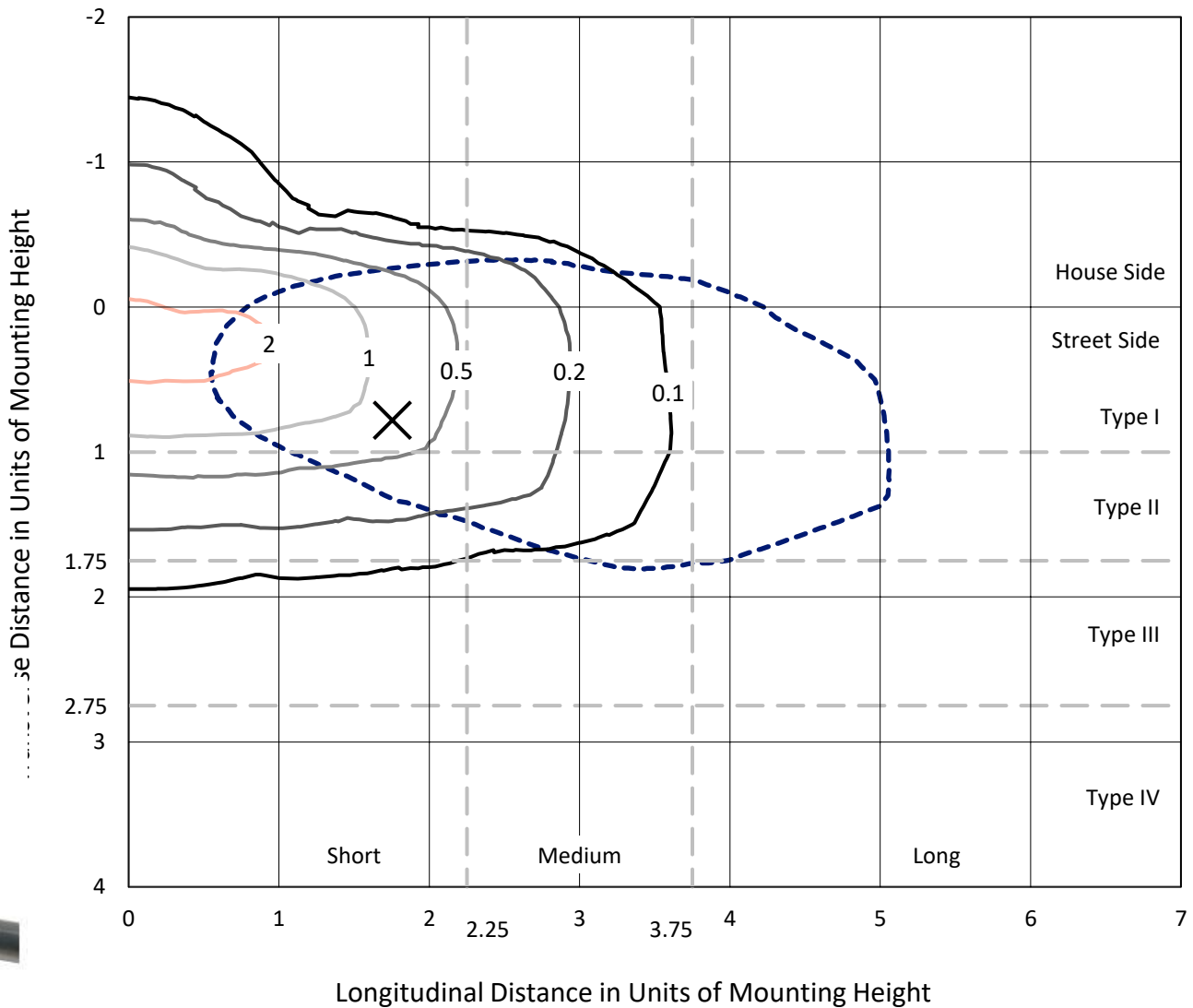
Input Watts (W): 60
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

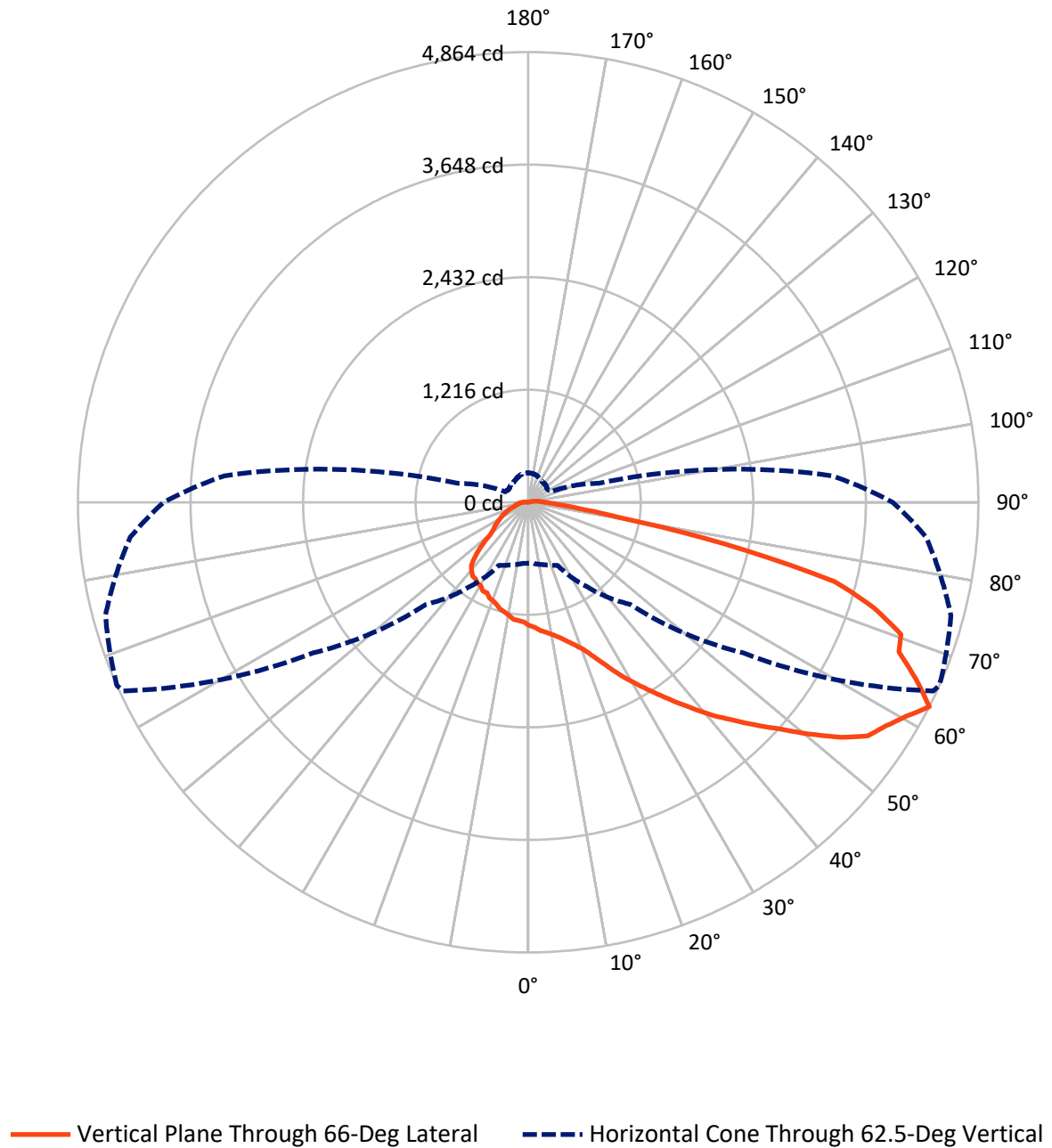
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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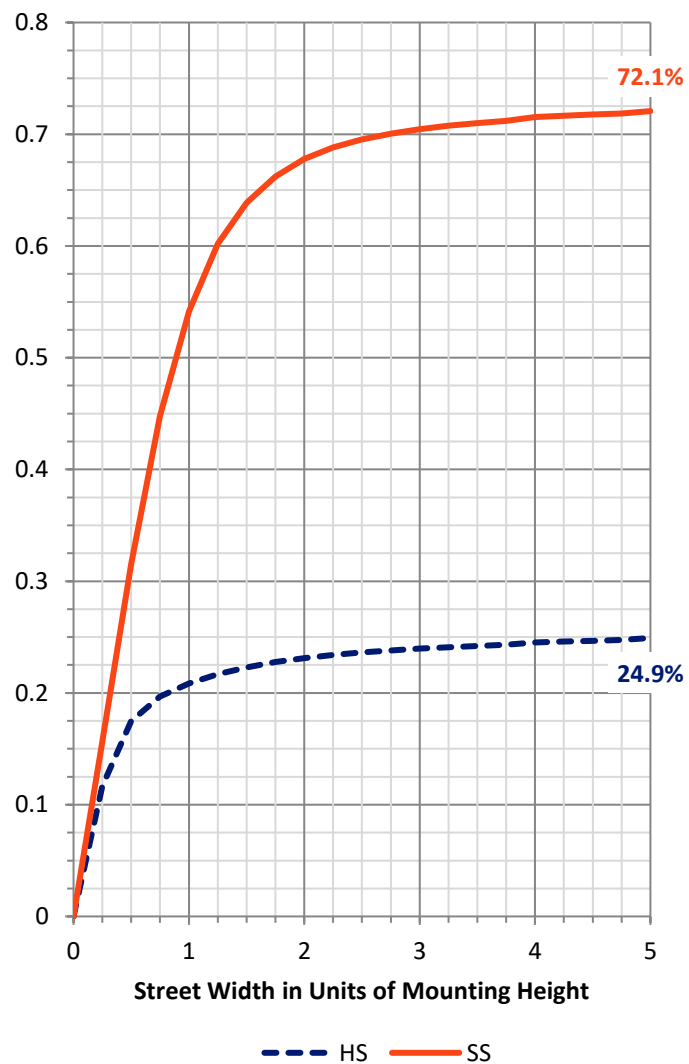
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1982.9	54.8	2037.6
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	5526.1	54.2	5580.3
	% Fixture	72.5	0.7	73.3
Total	Lumens	7509.0	109.0	7618.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	1.7
10°-20°	383.0	5.0
20°-30°	648.2	8.5
30°-40°	948.2	12.4
40°-50°	1239.5	16.3
50°-60°	1442.3	18.9
60°-70°	1442.9	18.9
70°-80°	995.6	13.1
80°-90°	281.4	3.7
90°-100°	92.8	1.2
100°-110°	12.7	0.2
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7509.0	98.6
0°-180°	7618.0	100.0

Coefficient of Utilization



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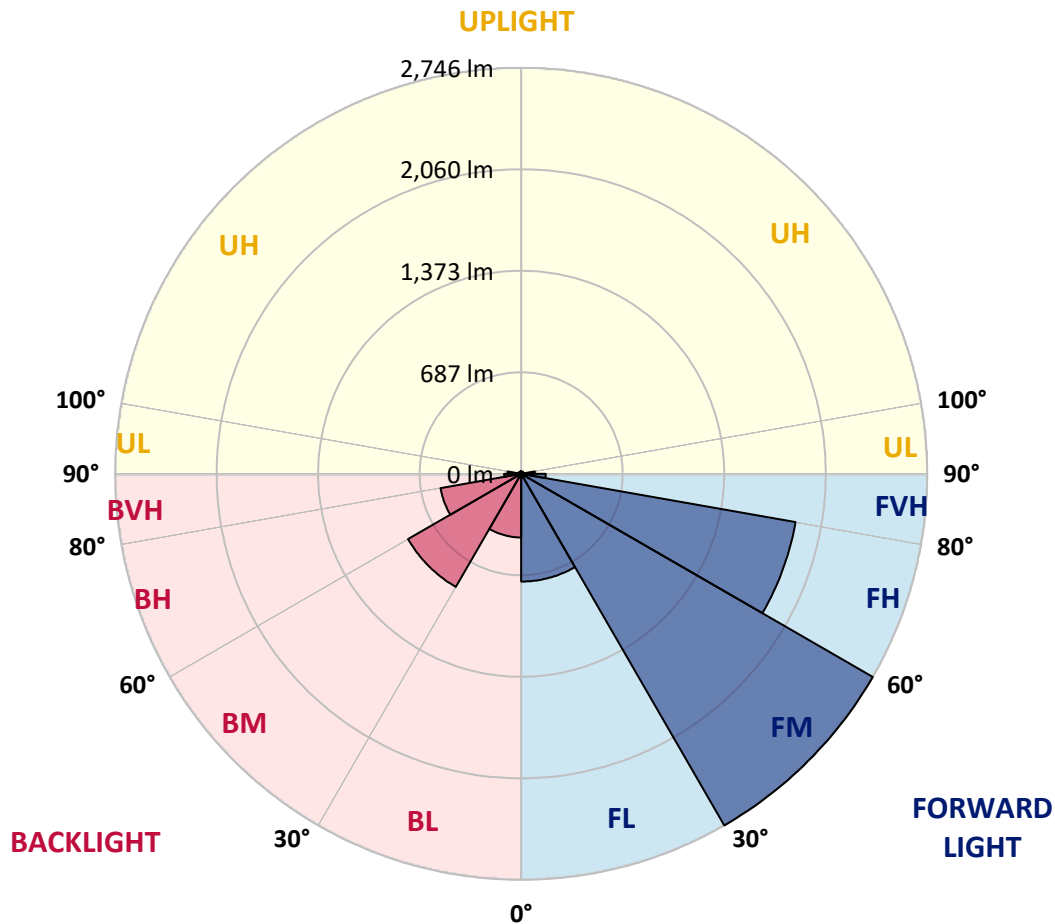
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	728.8	9.6			
FM	(30°-60°)	2746.5	36.1			
FH	(60°-80°)	1884.7	24.7			G2/5000
FVH	(80°-90°)	166.2	2.2			G2/225
BL	(0°-30°)	430.3	5.6	B1/500		
BM	(30°-60°)	883.5	11.6	B1/1000		
BH	(60°-80°)	553.9	7.3	B2/1000		G2/1000
BVH	(80°-90°)	115.2	1.5			G2/225
UL	(90°-100°)	92.8	1.2		U3/500	
UH	(100°-180°)	16.2	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0
2.5°	1399.3	1396.8	1396.8	1384.1	1371.5	1369.0	1361.4	1351.2	1351.2	1343.7	1331.0
5°	1482.8	1480.3	1482.8	1465.1	1447.4	1432.2	1406.9	1394.3	1391.7	1374.0	1348.7
7.5°	1541.0	1538.5	1536.0	1520.8	1513.2	1498.0	1462.6	1424.6	1419.6	1401.9	1369.0
10°	1563.8	1566.3	1579.0	1553.7	1538.5	1525.8	1505.6	1460.1	1455.0	1414.5	1363.9
12.5°	1624.5	1627.1	1619.5	1589.1	1584.0	1573.9	1541.0	1503.1	1498.0	1447.4	1376.5
15°	1687.8	1687.8	1677.7	1660.0	1647.3	1637.2	1596.7	1556.2	1553.7	1492.9	1409.4
17.5°	1715.6	1720.7	1723.2	1700.4	1695.4	1692.9	1672.6	1622.0	1616.9	1558.7	1455.0
20°	1733.3	1735.9	1738.4	1735.9	1738.4	1735.9	1746.0	1705.5	1692.9	1632.1	1505.6
22.5°	1768.8	1773.8	1791.5	1791.5	1799.1	1816.8	1809.3	1814.3	1809.3	1735.9	1591.6
25°	1786.5	1794.1	1816.8	1844.7	1877.6	1897.8	1925.6	1945.9	1948.4	1882.6	1723.2
27.5°	1758.6	1776.4	1834.6	1877.6	1953.5	2006.6	2072.4	2105.3	2110.4	2047.1	1864.9
30°	1794.1	1794.1	1829.5	1890.2	1983.8	2107.8	2209.1	2259.7	2264.7	2216.6	2006.6
32.5°	1728.3	1743.5	1824.4	1940.8	2074.9	2216.6	2315.3	2414.0	2426.7	2411.5	2209.1
35°	1720.7	1728.3	1778.9	1900.3	2080.0	2317.9	2454.5	2583.6	2608.9	2613.9	2403.9
37.5°	1649.8	1660.0	1753.6	1905.4	2150.9	2388.7	2563.3	2775.9	2798.6	2834.1	2573.4
40°	1561.3	1576.5	1652.4	1821.9	2130.6	2472.2	2679.7	2978.3	3011.2	3054.2	2796.1
42.5°	1444.9	1472.7	1601.8	1783.9	2120.5	2500.1	2791.1	3180.7	3211.1	3256.7	2983.4
45°	1346.2	1353.8	1457.5	1647.3	2039.5	2538.0	2894.8	3408.5	3428.7	3451.5	3135.2
47.5°	1257.6	1272.8	1361.4	1538.5	1953.5	2530.4	2985.9	3623.6	3659.0	3727.3	3319.9
50°	994.5	1029.9	1280.4	1444.9	1821.9	2507.6	3061.8	3876.6	3934.8	3960.1	3529.9
52.5°	860.3	870.5	997.0	1353.8	1675.1	2431.7	3127.6	4152.4	4218.2	4160.0	3783.0
55°	794.6	804.7	862.9	1169.1	1561.3	2277.4	3178.2	4413.1	4453.5	4316.9	3970.2
57.5°	759.1	766.7	797.1	946.4	1422.1	2031.9	3183.3	4542.1	4557.3	4440.9	4066.4
60°	698.4	706.0	759.1	824.9	1267.7	1771.3	3094.7	4615.5	4693.9	4592.7	4251.1
62.5°	657.9	663.0	698.4	751.5	1118.4	1558.7	2836.6	4825.5	4863.5	4726.8	4314.4
65°	607.3	612.4	645.3	693.3	1022.3	1439.8	2725.3	4739.5	4600.3	4693.9	4397.9
67.5°	549.1	556.7	587.1	627.5	862.9	1323.4	2403.9	4418.1	4319.4	4526.9	4180.3
70°	496.0	501.0	533.9	556.7	708.5	1171.6	1996.5	4167.6	4271.3	4268.8	3982.9
72.5°	437.8	442.8	470.7	490.9	592.1	991.9	1584.0	3879.1	3909.5	3800.7	3524.9
75°	377.0	379.6	404.9	425.1	485.8	794.6	1156.4	3208.6	3418.6	3633.7	3049.2
77.5°	303.7	311.2	331.5	341.6	389.7	635.1	754.1	1900.3	2171.1	3195.9	2725.3
80°	227.7	227.7	242.9	248.0	288.5	473.2	475.7	916.0	984.3	2031.9	2024.3
82.5°	144.2	151.8	167.0	164.5	194.8	270.8	301.1	508.6	546.6	804.7	898.3
85°	116.4	118.9	129.1	121.5	129.1	146.8	169.5	321.4	334.0	490.9	488.4
87.5°	96.2	98.7	106.3	101.2	103.7	111.3	131.6	215.1	220.1	316.3	326.4
90°	73.4	75.9	86.0	83.5	81.0	91.1	108.8	164.5	172.1	250.5	268.2
92.5°	48.1	48.1	55.7	55.7	55.7	65.8	96.2	126.5	131.6	227.7	240.4
95°	35.4	35.4	38.0	40.5	38.0	48.1	70.9	113.9	124.0	212.6	207.5
97.5°	22.8	22.8	25.3	27.8	25.3	30.4	40.5	81.0	91.1	164.5	161.9
100°	15.2	15.2	15.2	15.2	15.2	15.2	22.8	53.1	60.7	103.7	101.2
102.5°	10.1	10.1	10.1	10.1	7.6	7.6	10.1	25.3	27.8	55.7	53.1
105°	2.5	2.5	5.1	5.1	5.1	2.5	2.5	10.1	12.7	22.8	22.8
107.5°	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	2.5	2.5
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	2.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0	1331.0
2.5°	1325.9	1318.3	1305.7	1293.0	1285.5	1277.9	1265.2	1255.1	1255.1	1267.7	1267.7
5°	1331.0	1315.8	1290.5	1280.4	1267.7	1250.0	1229.8	1214.6	1207.0	1217.1	1219.7
7.5°	1343.7	1320.9	1295.6	1272.8	1229.8	1196.9	1179.2	1158.9	1156.4	1166.5	1171.6
10°	1333.5	1310.8	1280.4	1237.4	1191.8	1166.5	1133.6	1108.3	1108.3	1100.7	1105.8
12.5°	1343.7	1313.3	1252.6	1207.0	1166.5	1110.9	1070.4	1045.1	1042.5	1050.1	1050.1
15°	1369.0	1323.4	1245.0	1189.3	1123.5	1067.8	1027.4	999.5	1007.1	991.9	994.5
17.5°	1399.3	1331.0	1245.0	1148.8	1075.4	1022.3	966.6	933.7	936.3	938.8	941.3
20°	1437.3	1351.2	1232.3	1118.4	1029.9	954.0	890.7	865.4	857.8	862.9	865.4
22.5°	1495.5	1396.8	1227.3	1103.3	966.6	893.2	837.6	787.0	781.9	781.9	781.9
25°	1591.6	1465.1	1250.0	1052.7	933.7	822.4	759.1	711.0	688.3	690.8	693.3
27.5°	1738.4	1573.9	1272.8	1055.2	857.8	759.1	680.7	627.5	614.9	617.4	620.0
30°	1892.8	1720.7	1331.0	1004.6	814.8	663.0	582.0	544.0	528.9	521.3	523.8
32.5°	2011.7	1849.7	1412.0	989.4	736.4	559.2	508.6	478.2	458.0	450.4	450.4
35°	2201.5	1976.3	1477.8	951.4	655.4	493.4	452.9	420.0	409.9	404.9	404.9
37.5°	2363.4	2115.4	1546.1	936.3	556.7	442.8	392.2	372.0	372.0	366.9	364.4
40°	2538.0	2262.2	1584.0	890.7	480.8	389.7	339.1	336.5	344.1	344.1	344.1
42.5°	2748.0	2414.0	1624.5	837.6	422.6	329.0	301.1	321.4	339.1	344.1	344.1
45°	2904.9	2510.2	1642.2	723.7	364.4	285.9	296.1	316.3	339.1	346.7	344.1
47.5°	3039.0	2649.4	1616.9	584.5	313.8	278.3	291.0	308.7	336.5	346.7	346.7
50°	3173.1	2768.3	1599.2	422.6	293.5	278.3	291.0	298.6	329.0	341.6	341.6
52.5°	3370.5	2861.9	1528.4	354.3	278.3	280.9	296.1	296.1	323.9	339.1	346.7
55°	3623.6	3077.0	1394.3	331.5	273.3	278.3	298.6	298.6	318.8	334.0	339.1
57.5°	3727.3	3152.9	1164.0	311.2	268.2	278.3	291.0	296.1	321.4	331.5	329.0
60°	3864.0	3276.9	954.0	291.0	258.1	273.3	280.9	298.6	318.8	321.4	318.8
62.5°	3937.3	3292.1	789.5	270.8	250.5	265.7	268.2	288.5	308.7	316.3	318.8
65°	3977.8	3276.9	584.5	250.5	242.9	255.6	258.1	275.8	296.1	301.1	303.7
67.5°	3831.1	3173.1	404.9	230.3	235.3	242.9	248.0	265.7	280.9	296.1	301.1
70°	3567.9	2872.0	288.5	205.0	222.7	230.3	240.4	258.1	273.3	293.5	298.6
72.5°	3276.9	2312.8	212.6	174.6	205.0	215.1	232.8	245.5	268.2	293.5	301.1
75°	3003.6	2029.4	169.5	149.3	174.6	197.4	220.1	237.9	270.8	359.3	372.0
77.5°	2130.6	1371.5	151.8	131.6	149.3	172.1	202.4	232.8	377.0	427.6	430.2
80°	1546.1	807.2	136.6	116.4	129.1	139.2	184.7	285.9	417.5	394.7	394.7
82.5°	774.3	432.7	129.1	103.7	111.3	113.9	164.5	364.4	336.5	351.7	354.3
85°	374.5	210.0	106.3	91.1	96.2	93.6	154.4	346.7	318.8	321.4	316.3
87.5°	235.3	129.1	83.5	75.9	78.4	75.9	146.8	331.5	334.0	273.3	278.3
90°	212.6	151.8	65.8	60.7	53.1	63.3	131.6	308.7	326.4	197.4	164.5
92.5°	205.0	164.5	48.1	43.0	38.0	50.6	98.7	250.5	199.9	83.5	50.6
95°	182.2	144.2	40.5	30.4	35.4	43.0	63.3	167.0	134.1	0.0	0.0
97.5°	136.6	106.3	32.9	20.2	113.9	38.0	35.4	108.8	38.0	0.0	0.0
100°	86.0	65.8	25.3	15.2	129.1	25.3	22.8	63.3	0.0	0.0	0.0
102.5°	48.1	35.4	12.7	10.1	55.7	12.7	15.2	15.2	0.0	0.0	0.0
105°	20.2	17.7	5.1	5.1	5.1	2.5	7.6	0.0	0.0	0.0	0.0
107.5°	5.1	7.6	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	2.5	2.5	2.5	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°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
120°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
155°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
162.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
165°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.5	2.5	2.5	2.5	2.5	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)