

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: P690944

Luminaire Tested: **CRTK2-C01-D-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6853 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 61
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

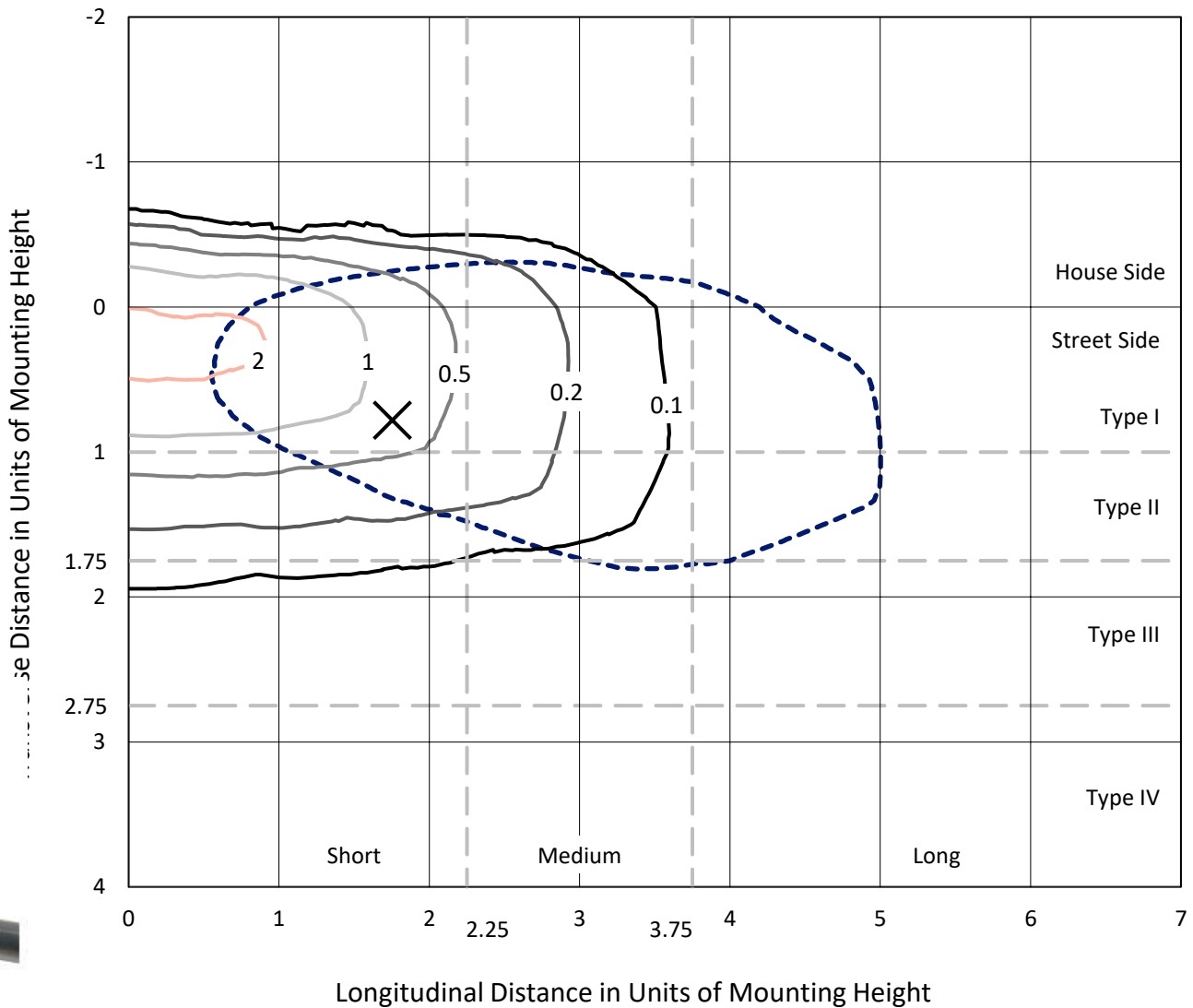


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

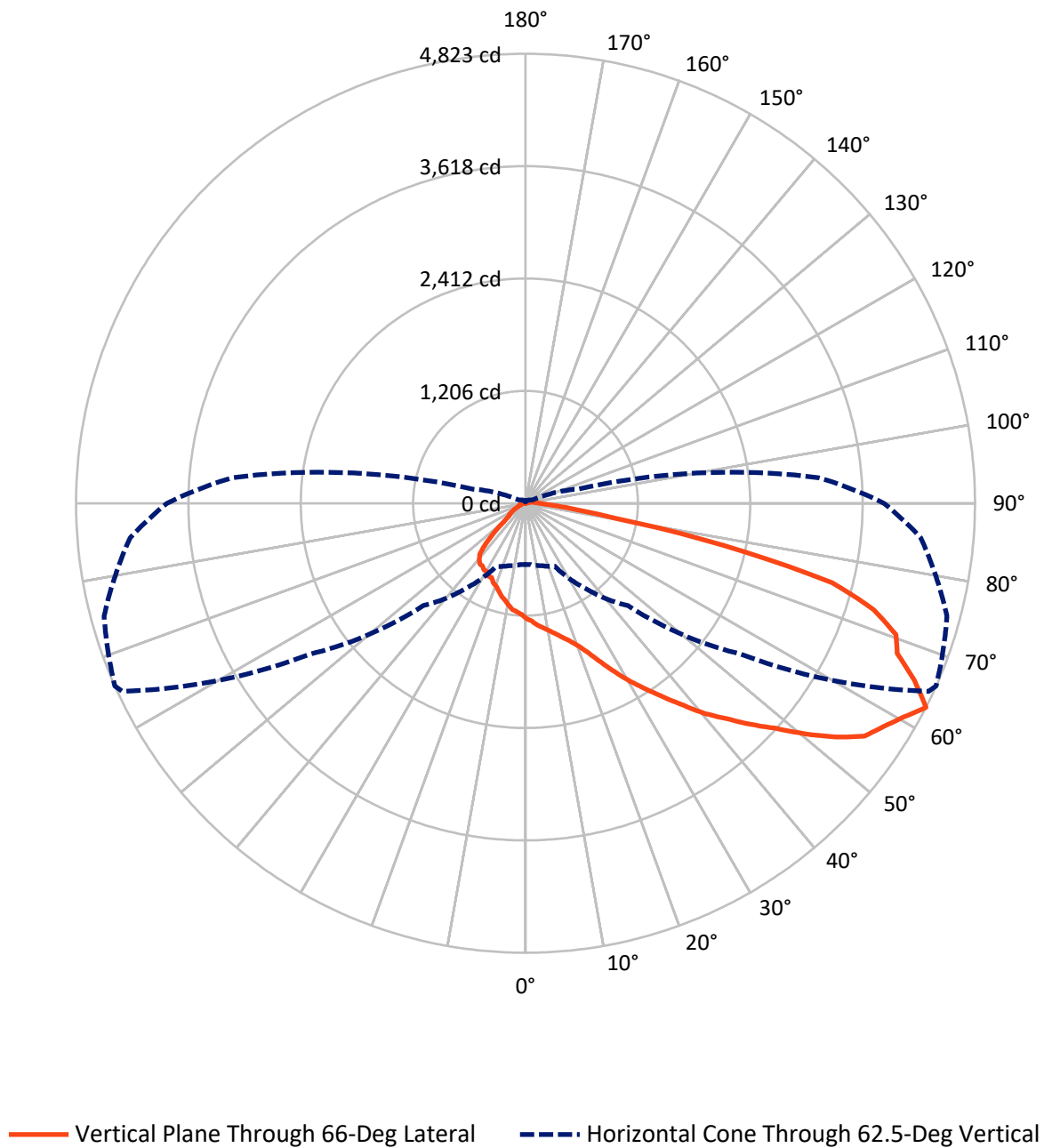


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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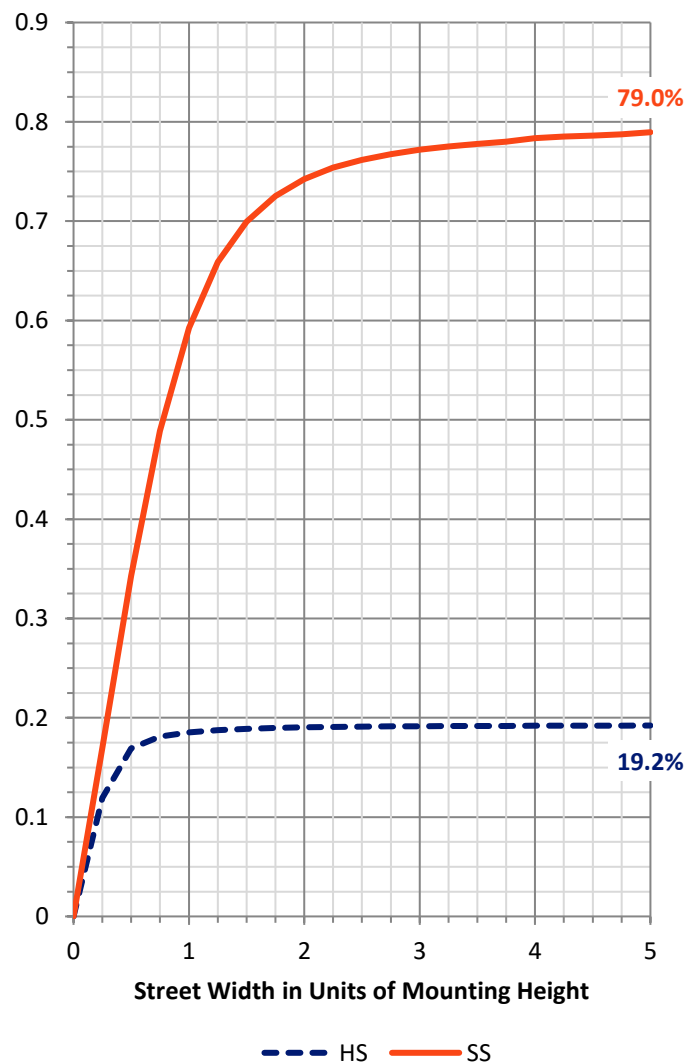
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.1	18.8	1354.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	5445.8	52.2	5498.0
	% Fixture	79.5	0.8	80.2
Total	Lumens	6781.9	71.0	6853.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.6	1.7
10°-20°	344.8	5.0
20°-30°	580.2	8.5
30°-40°	862.8	12.6
40°-50°	1141.6	16.7
50°-60°	1329.2	19.4
60°-70°	1327.0	19.4
70°-80°	890.5	13.0
80°-90°	188.2	2.7
90°-100°	57.3	0.8
100°-110°	10.0	0.1
110°-120°	0.7	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6781.9	99.0
0°-180°	6853.0	100.0

Coefficient of Utilization



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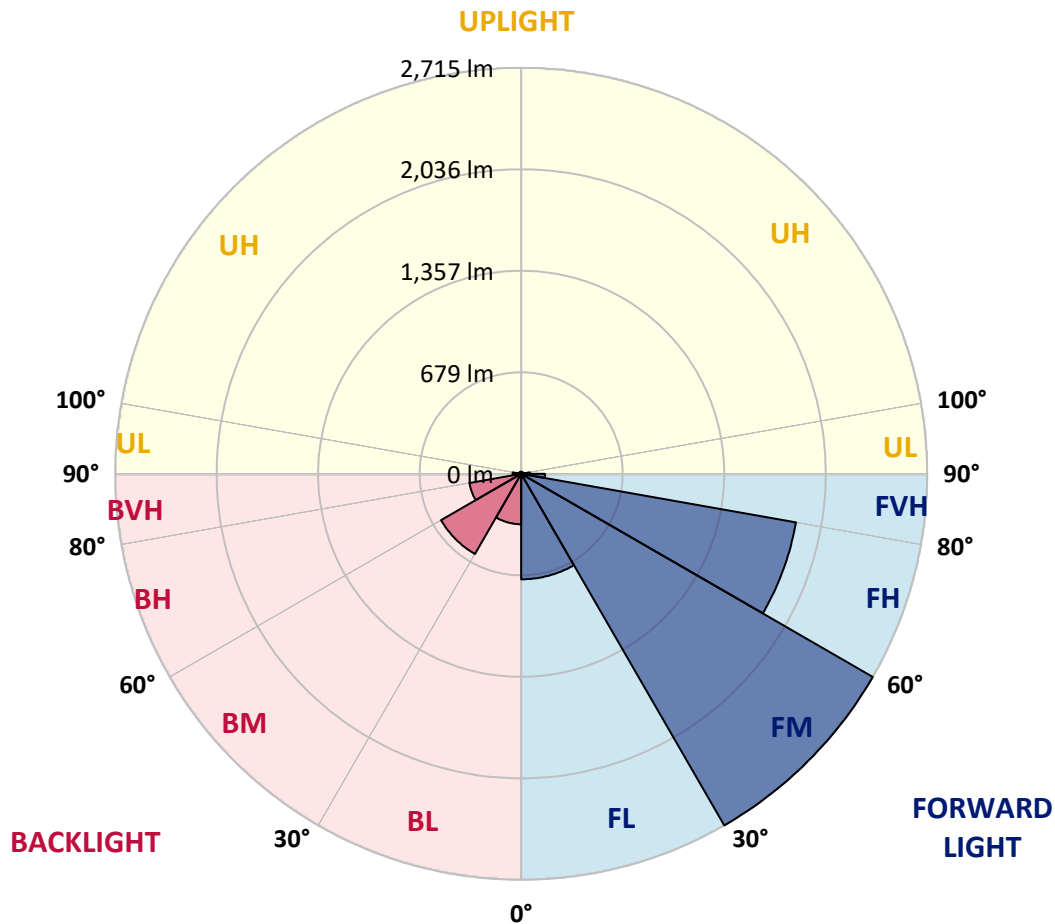
CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	705.5	10.3			
FM	(30°-60°)	2714.9	39.6			
FH	(60°-80°)	1866.1	27.2			G2/5000
FVH	(80°-90°)	159.2	2.3			G2/225
BL	(0°-30°)	337.1	4.9	B1/500		
BM	(30°-60°)	618.7	9.0	B1/1000		
BH	(60°-80°)	351.4	5.1	B1/500		G1/500
BVH	(80°-90°)	29.0	0.4			G1/100
UL	(90°-100°)	57.3	0.8		U3/500	
UH	(100°-180°)	13.7	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1
2.5°	1321.7	1314.1	1316.6	1304.0	1291.3	1283.7	1276.1	1263.4	1263.4	1253.3	1240.7
5°	1415.4	1417.9	1415.4	1400.2	1385.0	1362.2	1334.3	1311.6	1311.6	1288.8	1258.4
7.5°	1478.7	1476.1	1476.1	1458.4	1448.3	1435.6	1402.7	1352.1	1349.5	1319.1	1281.2
10°	1504.0	1506.5	1516.6	1491.3	1481.2	1463.5	1445.7	1395.1	1390.0	1339.4	1278.6
12.5°	1559.7	1562.2	1557.2	1536.9	1524.2	1511.6	1483.7	1440.7	1435.6	1379.9	1296.4
15°	1625.5	1625.5	1617.9	1597.7	1590.1	1572.3	1539.4	1498.9	1493.9	1430.6	1329.3
17.5°	1661.0	1666.0	1666.0	1638.2	1640.7	1633.1	1615.4	1562.2	1554.6	1496.4	1374.9
20°	1678.7	1681.2	1686.3	1686.3	1683.8	1681.2	1691.3	1643.2	1638.2	1569.8	1428.0
22.5°	1729.3	1734.4	1747.1	1739.5	1747.1	1757.2	1759.7	1757.2	1749.6	1676.2	1516.6
25°	1752.1	1767.3	1785.0	1807.8	1830.6	1845.8	1881.2	1899.0	1893.9	1823.0	1655.9
27.5°	1726.8	1742.0	1805.3	1848.3	1919.2	1962.3	2028.1	2055.9	2053.4	1995.2	1800.2
30°	1769.8	1774.9	1802.8	1863.5	1954.7	2073.7	2164.8	2207.9	2218.0	2164.8	1952.1
32.5°	1706.5	1724.3	1802.8	1916.7	2053.4	2180.0	2268.6	2364.8	2377.5	2354.7	2152.2
35°	1701.5	1714.1	1757.2	1881.2	2055.9	2291.4	2413.0	2544.6	2554.7	2562.3	2354.7
37.5°	1630.6	1648.3	1734.4	1891.4	2131.9	2364.8	2534.5	2724.4	2749.7	2780.1	2524.4
40°	1552.1	1564.7	1638.2	1805.3	2114.2	2450.9	2651.0	2942.1	2967.5	3005.4	2749.7
42.5°	1435.6	1463.5	1587.5	1767.3	2104.1	2476.3	2767.4	3134.6	3157.4	3210.5	2939.6
45°	1331.8	1344.5	1440.7	1638.2	2023.0	2521.8	2866.2	3359.9	3382.7	3408.0	3089.0
47.5°	1250.8	1266.0	1357.1	1534.4	1942.0	2511.7	2957.3	3582.7	3608.0	3666.3	3273.8
50°	992.5	1030.5	1260.9	1433.1	1807.8	2491.4	3035.8	3830.9	3889.1	3911.9	3466.3
52.5°	853.3	865.9	984.9	1341.9	1676.2	2418.0	3104.2	4101.8	4167.6	4124.6	3724.5
55°	795.0	802.6	860.9	1162.2	1557.2	2268.6	3159.9	4362.6	4410.7	4273.9	3914.4
57.5°	752.0	764.7	790.0	941.9	1417.9	2018.0	3162.4	4506.9	4524.6	4398.0	4005.6
60°	696.3	701.4	754.5	820.4	1260.9	1757.2	3076.3	4580.3	4658.8	4542.3	4190.4
62.5°	655.8	660.8	693.8	746.9	1111.5	1552.1	2823.1	4775.3	4823.4	4681.6	4258.8
65°	605.1	612.7	640.6	693.8	1007.7	1428.0	2696.5	4724.6	4585.4	4648.7	4337.2
67.5°	552.0	557.0	587.4	627.9	858.3	1309.0	2382.6	4403.1	4301.8	4484.1	4127.1
70°	496.3	501.3	529.2	557.0	706.4	1162.2	1985.1	4129.6	4215.7	4225.8	3929.6
72.5°	438.0	443.1	468.4	491.2	584.9	977.3	1577.4	3856.2	3909.3	3754.9	3471.3
75°	379.8	382.3	402.6	425.4	486.1	787.4	1129.3	3197.9	3400.4	3587.8	2995.3
77.5°	306.4	311.4	331.7	339.3	389.9	635.5	731.7	1901.5	2167.4	3139.6	2688.9
80°	225.3	227.9	248.1	245.6	291.2	463.3	460.8	903.9	972.3	1939.5	1974.9
82.5°	149.4	154.4	172.2	167.1	197.5	281.0	288.6	486.1	519.1	752.0	865.9
85°	119.0	121.5	131.7	121.5	131.7	141.8	159.5	293.7	298.8	445.6	443.1
87.5°	96.2	98.7	108.9	101.3	103.8	108.9	126.6	187.4	192.4	281.0	291.2
90°	76.0	78.5	91.2	83.6	83.6	91.2	106.3	139.3	146.9	220.3	238.0
92.5°	50.6	50.6	58.2	55.7	55.7	65.8	93.7	103.8	111.4	205.1	215.2
95°	38.0	38.0	40.5	40.5	40.5	48.1	70.9	98.7	108.9	200.0	195.0
97.5°	25.3	25.3	27.9	27.9	27.9	30.4	40.5	81.0	91.2	162.0	159.5
100°	17.7	17.7	17.7	15.2	15.2	15.2	22.8	53.2	60.8	103.8	103.8
102.5°	12.7	10.1	10.1	10.1	7.6	7.6	10.1	25.3	27.9	55.7	53.2
105°	2.5	2.5	5.1	5.1	5.1	2.5	2.5	10.1	10.1	22.8	22.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.5
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	2.5
155°	0.0	0.0	0.0	0.0	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	2.5
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	0.0	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°	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1
2.5°	1233.1	1225.5	1207.7	1192.6	1179.9	1167.2	1147.0	1139.4	1134.3	1141.9	1141.9
5°	1240.7	1220.4	1190.0	1164.7	1141.9	1114.1	1083.7	1066.0	1050.8	1058.4	1058.4
7.5°	1253.3	1225.5	1187.5	1144.4	1086.2	1038.1	1000.1	977.3	964.7	972.3	977.3
10°	1245.7	1215.3	1164.7	1098.9	1030.5	979.9	931.8	896.3	883.7	878.6	883.7
12.5°	1253.3	1217.9	1131.8	1053.3	987.5	906.4	848.2	810.2	795.0	795.0	795.0
15°	1278.6	1225.5	1111.5	1020.4	919.1	840.6	779.8	739.3	734.3	716.5	716.5
17.5°	1314.1	1233.1	1103.9	969.7	858.3	777.3	706.4	665.9	653.2	655.8	655.8
20°	1349.5	1248.3	1088.7	926.7	802.6	706.4	633.0	595.0	564.6	554.5	559.6
22.5°	1410.3	1291.3	1076.1	903.9	739.3	648.2	567.2	503.9	453.2	438.0	430.4
25°	1498.9	1359.7	1093.8	850.7	701.4	582.4	486.1	397.5	336.8	321.6	319.0
27.5°	1661.0	1466.0	1114.1	850.7	640.6	524.1	387.4	293.7	245.6	230.4	235.5
30°	1812.9	1610.3	1172.3	805.2	615.3	420.3	288.6	220.3	177.2	159.5	164.6
32.5°	1939.5	1747.1	1253.3	795.0	541.8	311.4	210.2	154.4	124.1	113.9	116.5
35°	2121.8	1863.5	1316.6	759.6	445.6	227.9	146.9	108.9	96.2	91.2	91.2
37.5°	2296.5	2005.3	1379.9	752.0	329.2	167.1	98.7	88.6	86.1	78.5	78.5
40°	2463.6	2149.6	1407.8	708.9	232.9	108.9	83.6	81.0	78.5	70.9	70.9
42.5°	2668.7	2288.9	1433.1	653.2	162.0	81.0	73.4	76.0	73.4	65.8	63.3
45°	2825.7	2382.6	1440.7	511.5	103.8	76.0	68.4	70.9	68.4	60.8	60.8
47.5°	2957.3	2509.2	1410.3	349.4	86.1	70.9	63.3	65.8	63.3	58.2	55.7
50°	3091.5	2625.6	1382.4	187.4	81.0	68.4	60.8	55.7	58.2	53.2	50.6
52.5°	3273.8	2711.7	1309.0	113.9	76.0	63.3	55.7	50.6	50.6	45.6	48.1
55°	3524.5	2924.4	1172.3	106.3	73.4	60.8	53.2	45.6	45.6	40.5	40.5
57.5°	3635.9	3008.0	952.0	96.2	70.9	60.8	48.1	40.5	35.4	32.9	30.4
60°	3772.6	3132.0	749.5	88.6	65.8	58.2	43.0	35.4	27.9	25.3	25.3
62.5°	3848.6	3157.4	584.9	81.0	63.3	50.6	38.0	27.9	22.8	17.7	17.7
65°	3886.6	3139.6	389.9	73.4	58.2	48.1	32.9	22.8	15.2	12.7	12.7
67.5°	3742.2	3045.9	225.3	68.4	55.7	43.0	27.9	17.7	12.7	10.1	7.6
70°	3496.6	2772.5	141.8	60.8	53.2	38.0	25.3	15.2	10.1	7.6	5.1
72.5°	3208.0	2263.6	103.8	55.7	50.6	32.9	20.3	12.7	7.6	5.1	5.1
75°	2929.5	1972.4	88.6	48.1	43.0	27.9	17.7	10.1	7.6	5.1	2.5
77.5°	2096.5	1344.5	78.5	43.0	38.0	22.8	12.7	10.1	5.1	2.5	2.5
80°	1488.8	790.0	70.9	35.4	30.4	17.7	12.7	7.6	5.1	2.5	2.5
82.5°	714.0	410.2	68.4	30.4	22.8	15.2	10.1	7.6	5.1	2.5	2.5
85°	324.1	174.7	50.6	27.9	20.3	15.2	10.1	7.6	5.1	5.1	2.5
87.5°	197.5	91.2	40.5	22.8	15.2	12.7	7.6	5.1	5.1	5.1	5.1
90°	184.8	119.0	30.4	17.7	12.7	10.1	7.6	2.5	0.0	0.0	0.0
92.5°	177.2	136.7	22.8	12.7	7.6	7.6	2.5	0.0	0.0	0.0	0.0
95°	167.1	129.1	25.3	7.6	12.7	5.1	2.5	0.0	0.0	0.0	0.0
97.5°	131.7	101.3	27.9	7.6	63.3	5.1	2.5	0.0	0.0	0.0	0.0
100°	83.6	63.3	20.3	7.6	76.0	5.1	0.0	0.0	0.0	0.0	0.0
102.5°	48.1	35.4	10.1	7.6	22.8	2.5	0.0	0.0	0.0	0.0	0.0
105°	20.3	17.7	5.1	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
107.5°	5.1	5.1	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	2.5	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	5.1	2.5	2.5	2.5	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	2.5	5.1	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	2.5	0.0	0.0	0.0	0.0
165°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	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°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
172.5°	2.5	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)