

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: P690852

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690852
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-C01-5TLD-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 6849 lumens
Efficiency: N/A
Efficacy: 114.1 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): 60
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

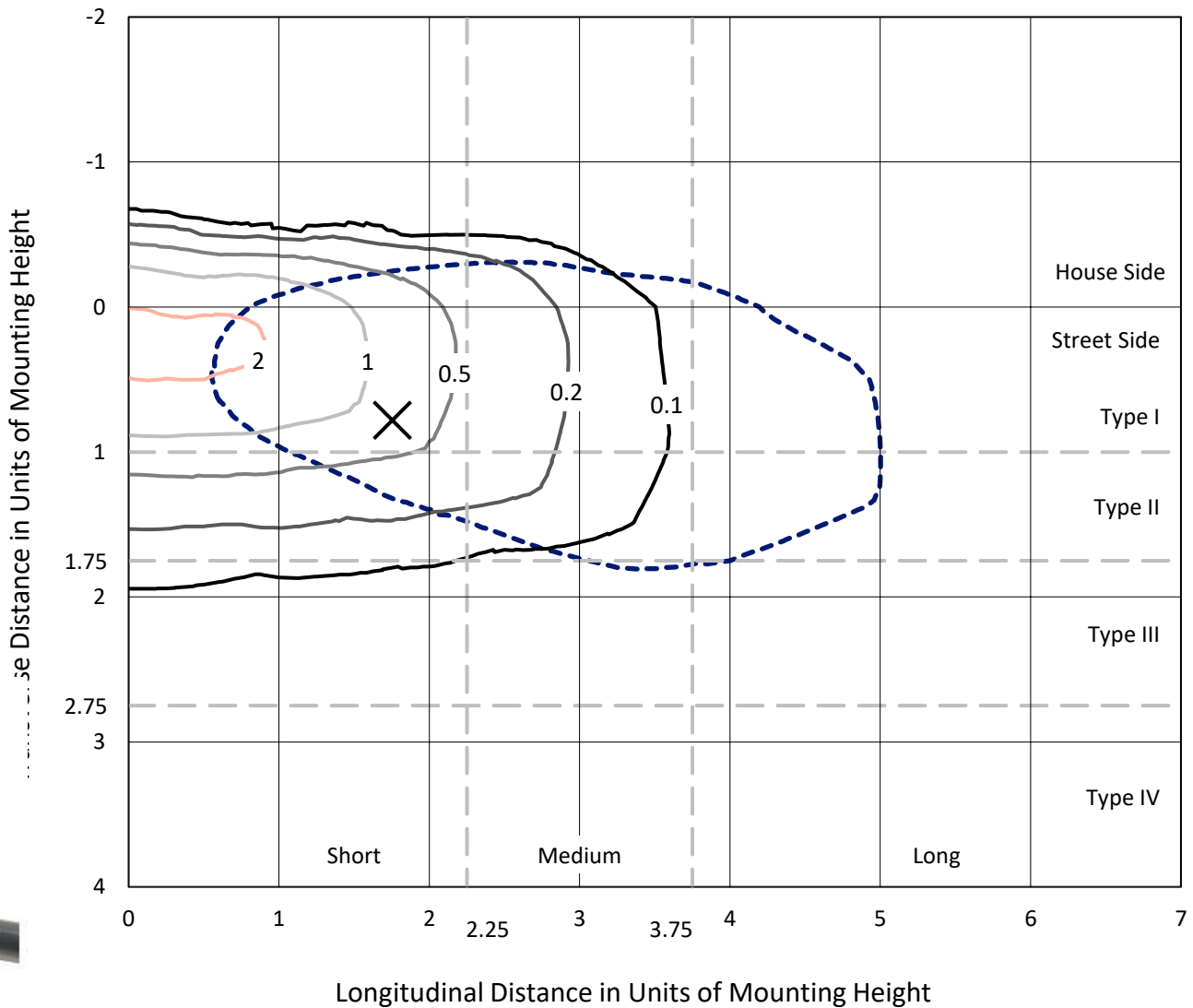


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

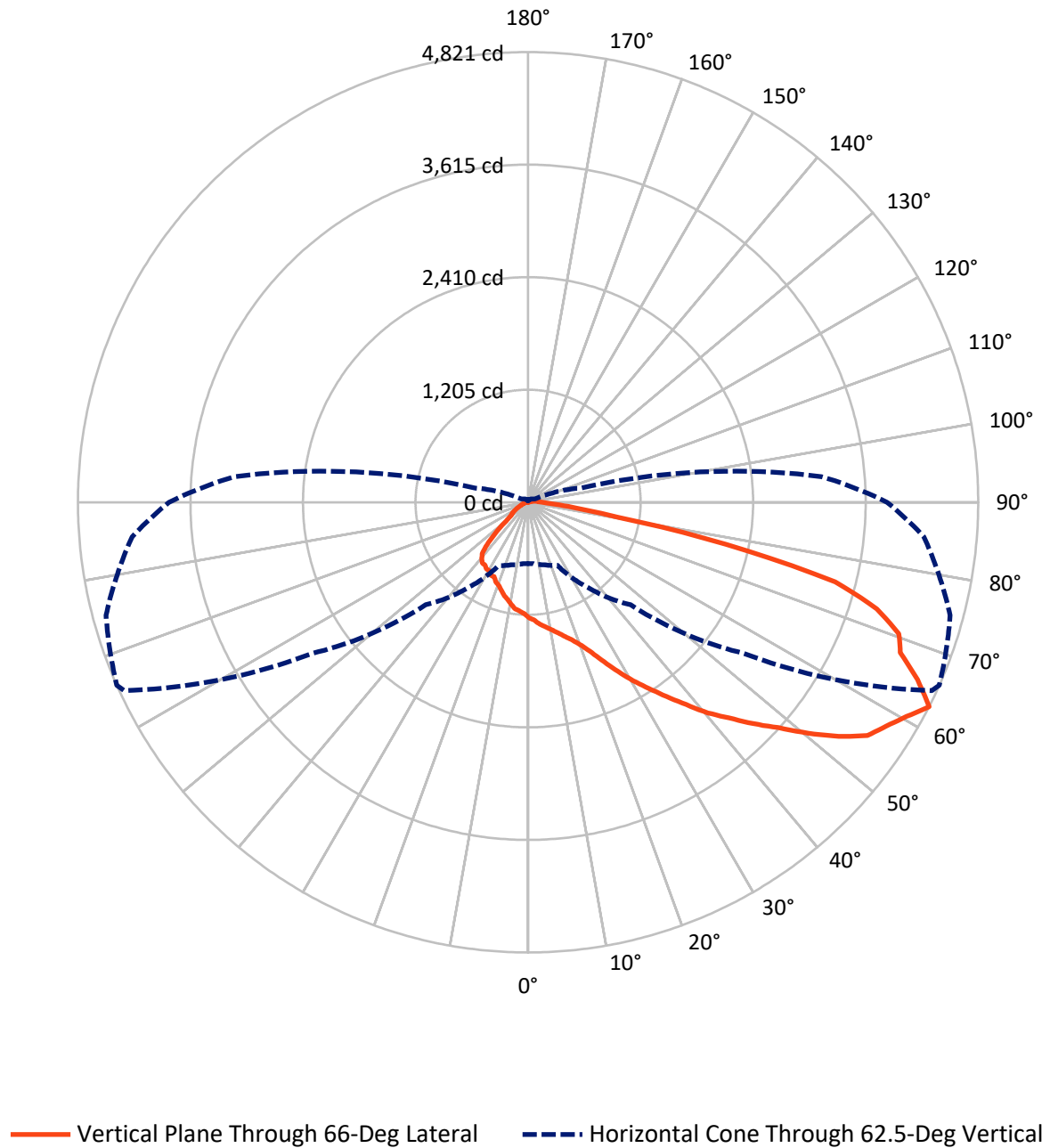


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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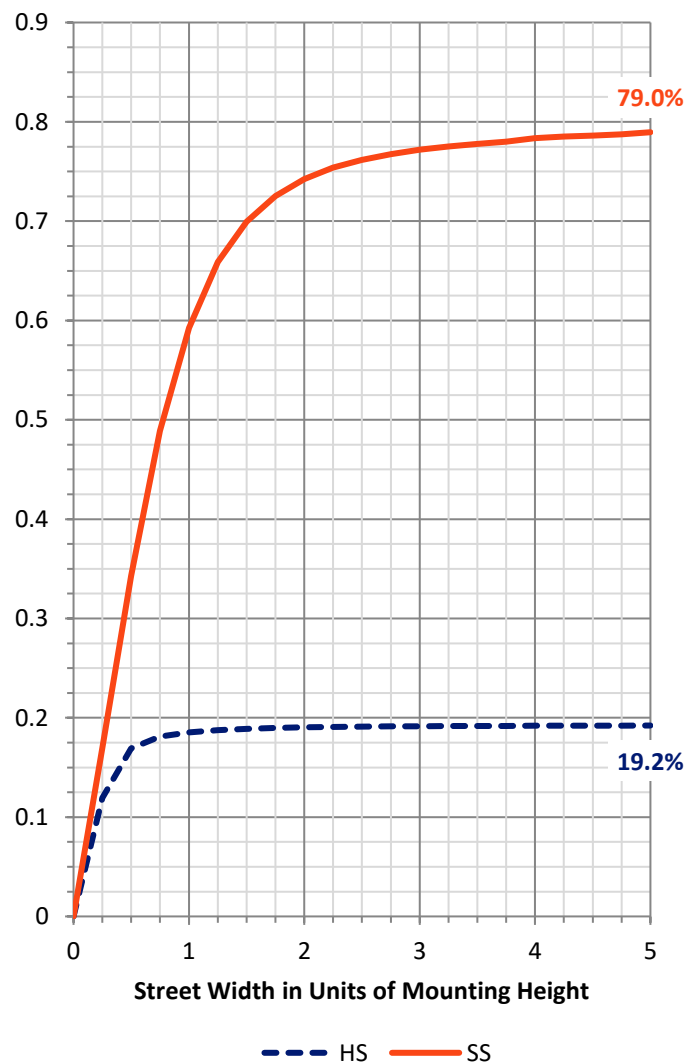
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1335.3	18.8	1354.1
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	5442.6	52.2	5494.8
	% Fixture	79.5	0.8	80.2
Total	Lumens	6778.0	71.0	6849.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	1.7
10°-20°	344.6	5.0
20°-30°	579.9	8.5
30°-40°	862.3	12.6
40°-50°	1140.9	16.7
50°-60°	1328.4	19.4
60°-70°	1326.2	19.4
70°-80°	890.0	13.0
80°-90°	188.1	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°	6778.0	99.0
0°-180°	6849.0	100.0

Coefficient of Utilization



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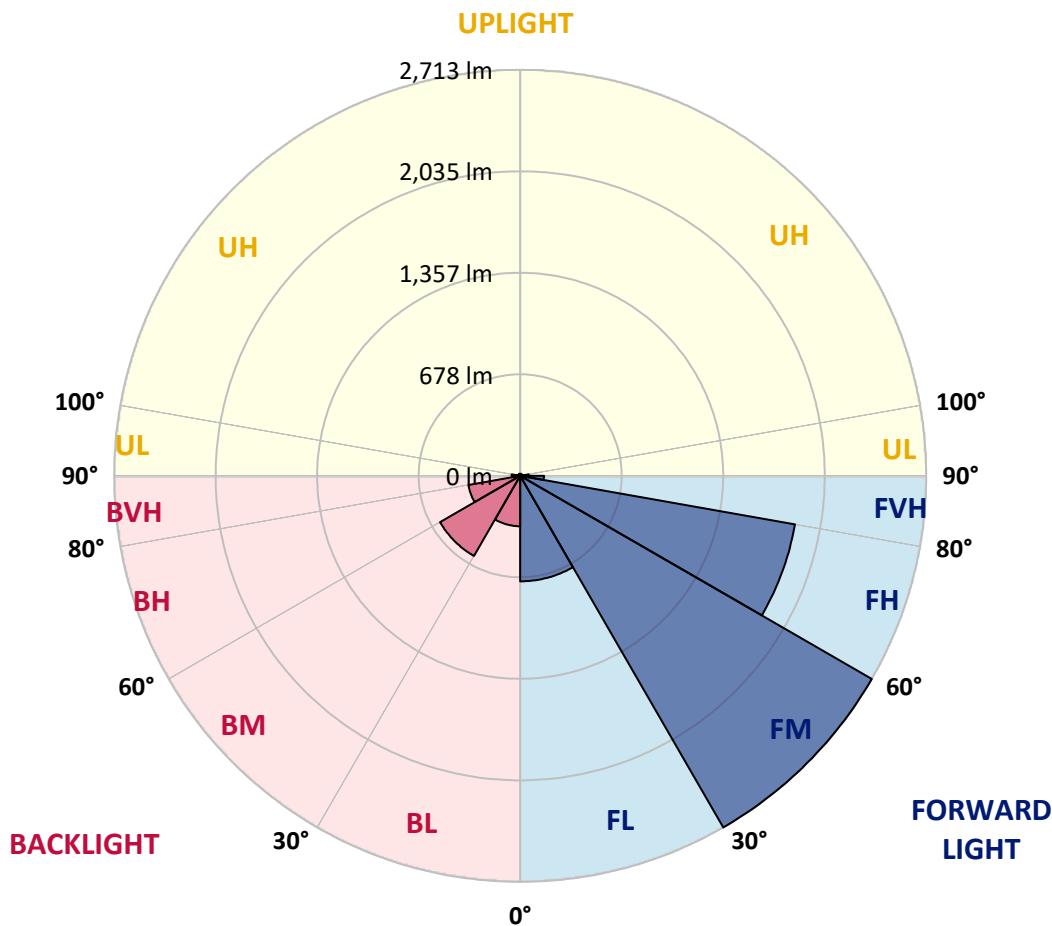
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	705.1	10.3			
FM	(30°-60°)	2713.4	39.6			
FH	(60°-80°)	1865.0	27.2			G2/5000
FVH	(80°-90°)	159.1	2.3			G2/225
BL	(0°-30°)	336.9	4.9	B1/500		
BM	(30°-60°)	618.3	9.0	B1/1000		
BH	(60°-80°)	351.2	5.1	B1/500		G1/500
BVH	(80°-90°)	28.9	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°	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4
2.5°	1320.9	1313.3	1315.8	1303.2	1290.5	1283.0	1275.4	1262.7	1262.7	1252.6	1239.9
5°	1414.5	1417.1	1414.5	1399.4	1384.2	1361.4	1333.6	1310.8	1310.8	1288.0	1257.6
7.5°	1477.8	1475.3	1475.3	1457.6	1447.4	1434.8	1401.9	1351.3	1348.7	1318.4	1280.4
10°	1503.1	1505.6	1515.8	1490.5	1480.3	1462.6	1444.9	1394.3	1389.2	1338.6	1277.9
12.5°	1558.8	1561.3	1556.2	1536.0	1523.3	1510.7	1482.9	1439.8	1434.8	1379.1	1295.6
15°	1624.6	1624.6	1617.0	1596.7	1589.1	1571.4	1538.5	1498.0	1493.0	1429.7	1328.5
17.5°	1660.0	1665.1	1665.1	1637.2	1639.8	1632.2	1614.4	1561.3	1553.7	1495.5	1374.1
20°	1677.7	1680.2	1685.3	1685.3	1682.8	1680.2	1690.4	1642.3	1637.2	1568.9	1427.2
22.5°	1728.3	1733.4	1746.0	1738.4	1746.0	1756.2	1758.7	1756.2	1748.6	1675.2	1515.8
25°	1751.1	1766.3	1784.0	1806.8	1829.5	1844.7	1880.1	1897.9	1892.8	1821.9	1654.9
27.5°	1725.8	1741.0	1804.2	1847.3	1918.1	1961.1	2026.9	2054.7	2052.2	1994.0	1799.2
30°	1768.8	1773.9	1801.7	1862.4	1953.5	2072.5	2163.6	2206.6	2216.7	2163.6	1951.0
32.5°	1705.5	1723.3	1801.7	1915.6	2052.2	2178.7	2267.3	2363.5	2376.1	2353.3	2150.9
35°	1700.5	1713.1	1756.2	1880.1	2054.7	2290.1	2411.5	2543.1	2553.3	2560.8	2353.3
37.5°	1629.6	1647.3	1733.4	1890.3	2130.7	2363.5	2533.0	2722.8	2748.1	2778.5	2522.9
40°	1551.2	1563.8	1637.2	1804.2	2113.0	2449.5	2649.4	2940.4	2965.7	3003.7	2748.1
42.5°	1434.8	1462.6	1586.6	1766.3	2102.8	2474.8	2765.8	3132.7	3155.5	3208.6	2937.9
45°	1331.0	1343.7	1439.8	1637.2	2021.9	2520.4	2864.5	3357.9	3380.7	3406.0	3087.2
47.5°	1250.1	1265.2	1356.3	1533.5	1940.9	2510.2	2955.6	3580.6	3605.9	3664.1	3271.9
50°	991.9	1029.9	1260.2	1432.3	1806.8	2490.0	3034.0	3828.6	3886.8	3909.6	3464.2
52.5°	852.8	865.4	984.4	1341.2	1675.2	2416.6	3102.4	4099.4	4165.2	4122.2	3722.3
55°	794.6	802.2	860.4	1161.5	1556.2	2267.3	3158.0	4360.0	4408.1	4271.4	3912.1
57.5°	751.6	764.2	789.5	941.3	1417.1	2016.8	3160.6	4504.3	4522.0	4395.4	4003.2
60°	695.9	700.9	754.1	819.9	1260.2	1756.2	3074.5	4577.6	4656.1	4539.7	4187.9
62.5°	655.4	660.5	693.4	746.5	1110.9	1551.2	2821.5	4772.5	4820.6	4678.9	4256.3
65°	604.8	612.4	640.2	693.4	1007.1	1427.2	2695.0	4721.9	4582.7	4646.0	4334.7
67.5°	551.6	556.7	587.1	627.6	857.8	1308.3	2381.2	4400.5	4299.3	4481.5	4124.7
70°	496.0	501.0	528.9	556.7	706.0	1161.5	1983.9	4127.2	4213.2	4223.4	3927.3
72.5°	437.8	442.8	468.1	490.9	584.5	976.8	1576.5	3853.9	3907.1	3752.7	3469.3
75°	379.6	382.1	402.3	425.1	485.9	787.0	1128.6	3196.0	3398.4	3585.7	2993.6
77.5°	306.2	311.2	331.5	339.1	389.7	635.2	731.3	1900.4	2166.1	3137.8	2687.4
80°	225.2	227.7	248.0	245.5	291.0	463.1	460.5	903.4	971.7	1938.3	1973.8
82.5°	149.3	154.4	172.1	167.0	197.4	280.9	288.5	485.9	518.7	751.6	865.4
85°	118.9	121.5	131.6	121.5	131.6	141.7	159.4	293.5	298.6	445.4	442.8
87.5°	96.2	98.7	108.8	101.2	103.7	108.8	126.5	187.3	192.3	280.9	291.0
90°	75.9	78.4	91.1	83.5	83.5	91.1	106.3	139.2	146.8	220.2	237.9
92.5°	50.6	50.6	58.2	55.7	55.7	65.8	93.6	103.7	111.3	205.0	215.1
95°	38.0	38.0	40.5	40.5	40.5	48.1	70.9	98.7	108.8	199.9	194.8
97.5°	25.3	25.3	27.8	27.8	27.8	30.4	40.5	81.0	91.1	162.0	159.4
100°	17.7	17.7	17.7	15.2	15.2	15.2	22.8	53.1	60.7	103.7	103.7
102.5°	12.7	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	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°	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4	1237.4
2.5°	1232.3	1224.8	1207.0	1191.9	1179.2	1166.6	1146.3	1138.7	1133.7	1141.2	1141.2
5°	1239.9	1219.7	1189.3	1164.0	1141.2	1113.4	1083.0	1065.3	1050.1	1057.7	1057.7
7.5°	1252.6	1224.8	1186.8	1143.8	1085.6	1037.5	999.5	976.8	964.1	971.7	976.8
10°	1245.0	1214.6	1164.0	1098.2	1029.9	979.3	931.2	895.8	883.1	878.1	883.1
12.5°	1252.6	1217.2	1131.1	1052.7	986.9	905.9	847.7	809.8	794.6	794.6	794.6
15°	1277.9	1224.8	1110.9	1019.8	918.6	840.1	779.4	738.9	733.8	716.1	716.1
17.5°	1313.3	1232.3	1103.3	969.2	857.8	776.9	706.0	665.5	652.9	655.4	655.4
20°	1348.7	1247.5	1088.1	926.2	802.2	706.0	632.6	594.7	564.3	554.2	559.2
22.5°	1409.5	1290.5	1075.5	903.4	738.9	647.8	566.8	503.6	453.0	437.8	430.2
25°	1498.0	1358.9	1093.2	850.2	700.9	582.0	485.9	397.3	336.6	321.4	318.8
27.5°	1660.0	1465.1	1113.4	850.2	640.2	523.8	387.2	293.5	245.5	230.3	235.3
30°	1811.8	1609.4	1171.6	804.7	614.9	420.1	288.5	220.2	177.1	159.4	164.5
32.5°	1938.3	1746.0	1252.6	794.6	541.5	311.2	210.0	154.4	124.0	113.9	116.4
35°	2120.5	1862.4	1315.8	759.1	445.4	227.7	146.8	108.8	96.2	91.1	91.1
37.5°	2295.1	2004.1	1379.1	751.6	329.0	167.0	98.7	88.6	86.0	78.4	78.4
40°	2462.2	2148.4	1406.9	708.5	232.8	108.8	83.5	81.0	78.4	70.9	70.9
42.5°	2667.1	2287.6	1432.3	652.9	162.0	81.0	73.4	75.9	73.4	65.8	63.3
45°	2824.0	2381.2	1439.8	511.2	103.7	75.9	68.3	70.9	68.3	60.7	60.7
47.5°	2955.6	2507.7	1409.5	349.2	86.0	70.9	63.3	65.8	63.3	58.2	55.7
50°	3089.7	2624.1	1381.6	187.3	81.0	68.3	60.7	55.7	58.2	53.1	50.6
52.5°	3271.9	2710.1	1308.3	113.9	75.9	63.3	55.7	50.6	50.6	45.5	48.1
55°	3522.4	2922.7	1171.6	106.3	73.4	60.7	53.1	45.5	45.5	40.5	40.5
57.5°	3633.8	3006.2	951.5	96.2	70.9	60.7	48.1	40.5	35.4	32.9	30.4
60°	3770.4	3130.2	749.0	88.6	65.8	58.2	43.0	35.4	27.8	25.3	25.3
62.5°	3846.3	3155.5	584.5	81.0	63.3	50.6	38.0	27.8	22.8	17.7	17.7
65°	3884.3	3137.8	389.7	73.4	58.2	48.1	32.9	22.8	15.2	12.7	12.7
67.5°	3740.0	3044.2	225.2	68.3	55.7	43.0	27.8	17.7	12.7	10.1	7.6
70°	3494.6	2770.9	141.7	60.7	53.1	38.0	25.3	15.2	10.1	7.6	5.1
72.5°	3206.1	2262.2	103.7	55.7	50.6	32.9	20.2	12.7	7.6	5.1	5.1
75°	2927.8	1971.2	88.6	48.1	43.0	27.8	17.7	10.1	7.6	5.1	2.5
77.5°	2095.2	1343.7	78.4	43.0	38.0	22.8	12.7	10.1	5.1	2.5	2.5
80°	1487.9	789.5	70.9	35.4	30.4	17.7	12.7	7.6	5.1	2.5	2.5
82.5°	713.6	409.9	68.3	30.4	22.8	15.2	10.1	7.6	5.1	2.5	2.5
85°	323.9	174.6	50.6	27.8	20.2	15.2	10.1	7.6	5.1	5.1	2.5
87.5°	197.4	91.1	40.5	22.8	15.2	12.7	7.6	5.1	5.1	5.1	5.1
90°	184.7	118.9	30.4	17.7	12.7	10.1	7.6	2.5	0.0	0.0	0.0
92.5°	177.1	136.6	22.8	12.7	7.6	7.6	2.5	0.0	0.0	0.0	0.0
95°	167.0	129.1	25.3	7.6	12.7	5.1	2.5	0.0	0.0	0.0	0.0
97.5°	131.6	101.2	27.8	7.6	63.3	5.1	2.5	0.0	0.0	0.0	0.0
100°	83.5	63.3	20.2	7.6	75.9	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°	20.2	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)