

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: P691388

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691388
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-C016-5TLD-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5568.1 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 42.8
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



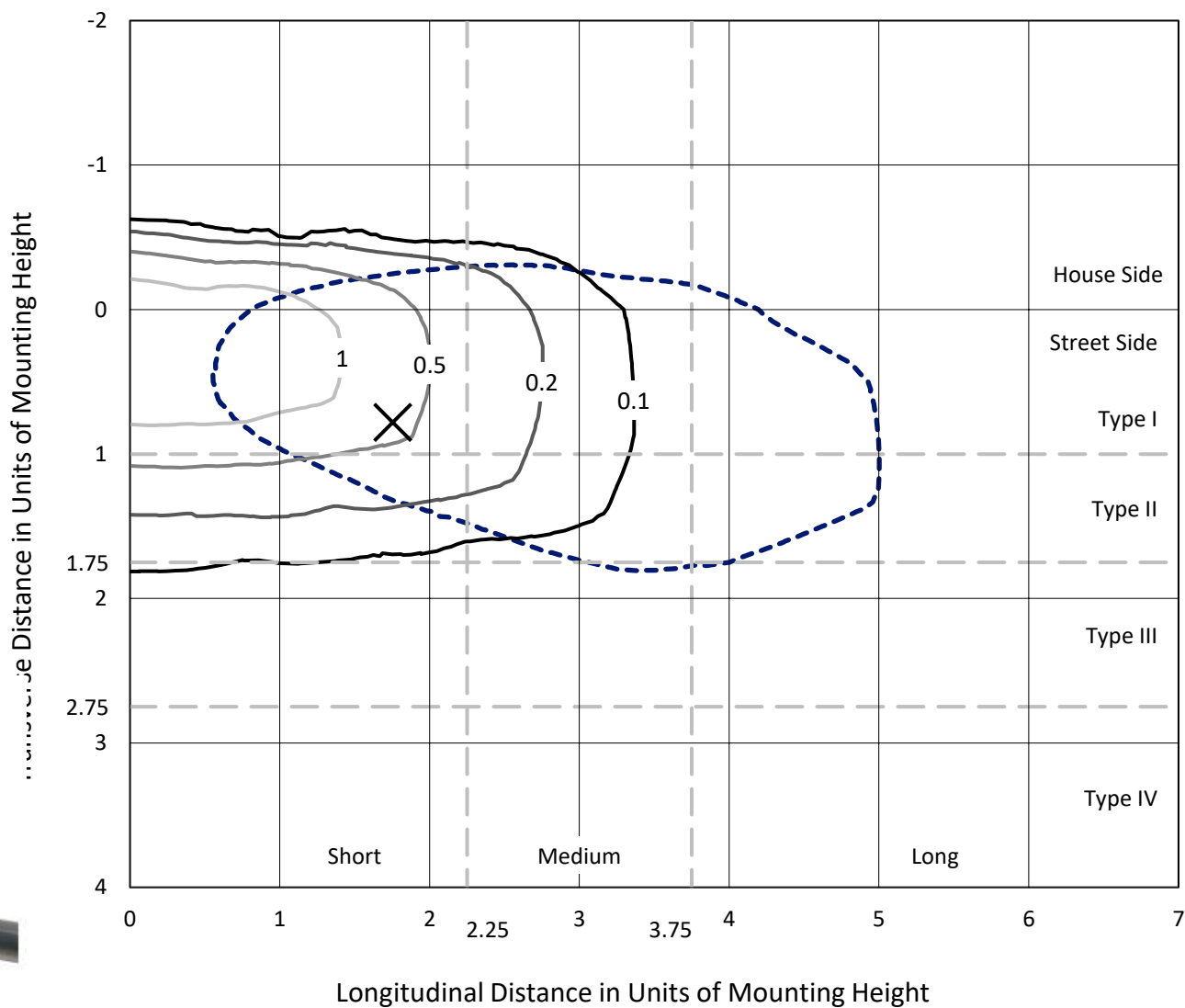
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

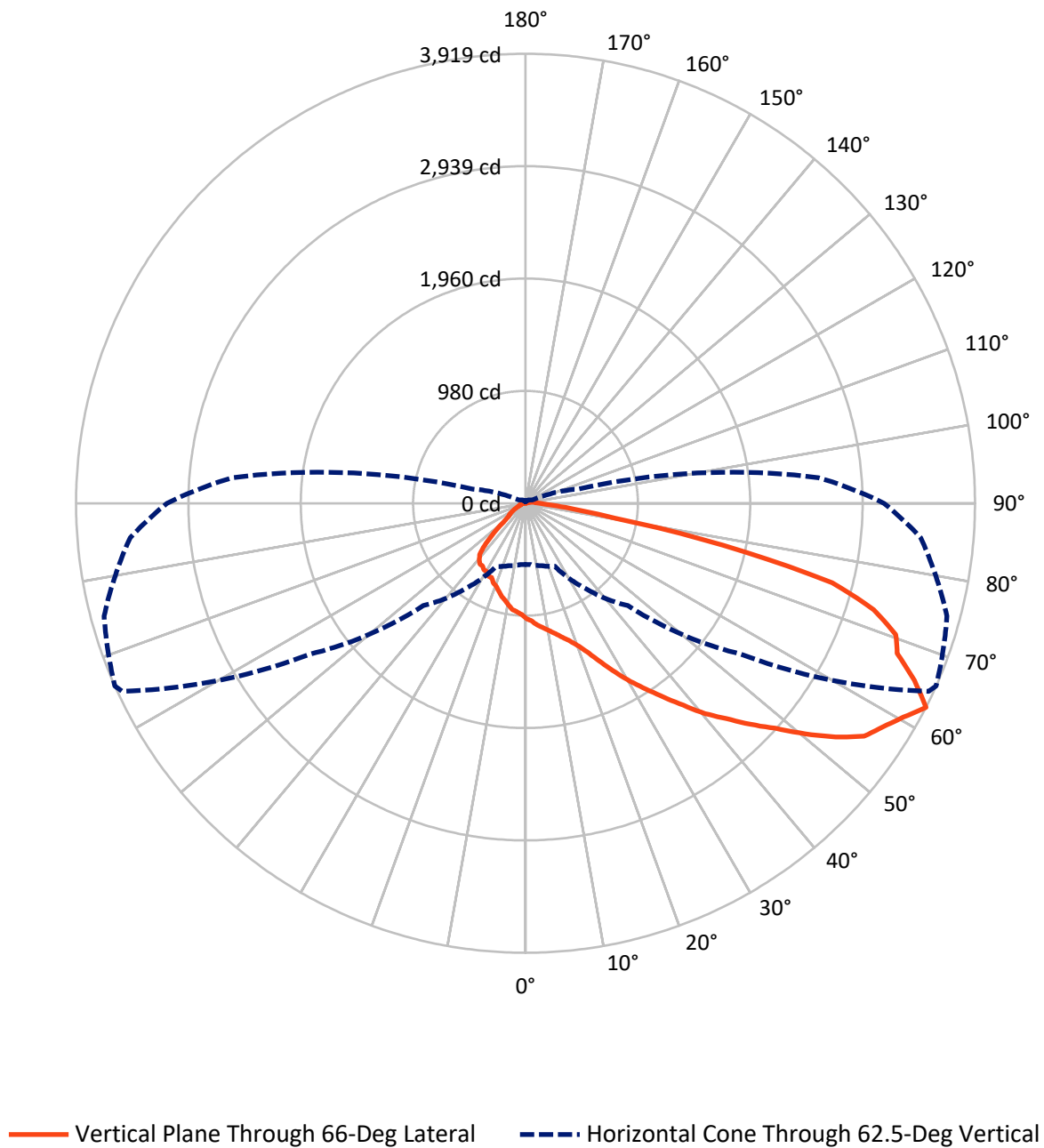


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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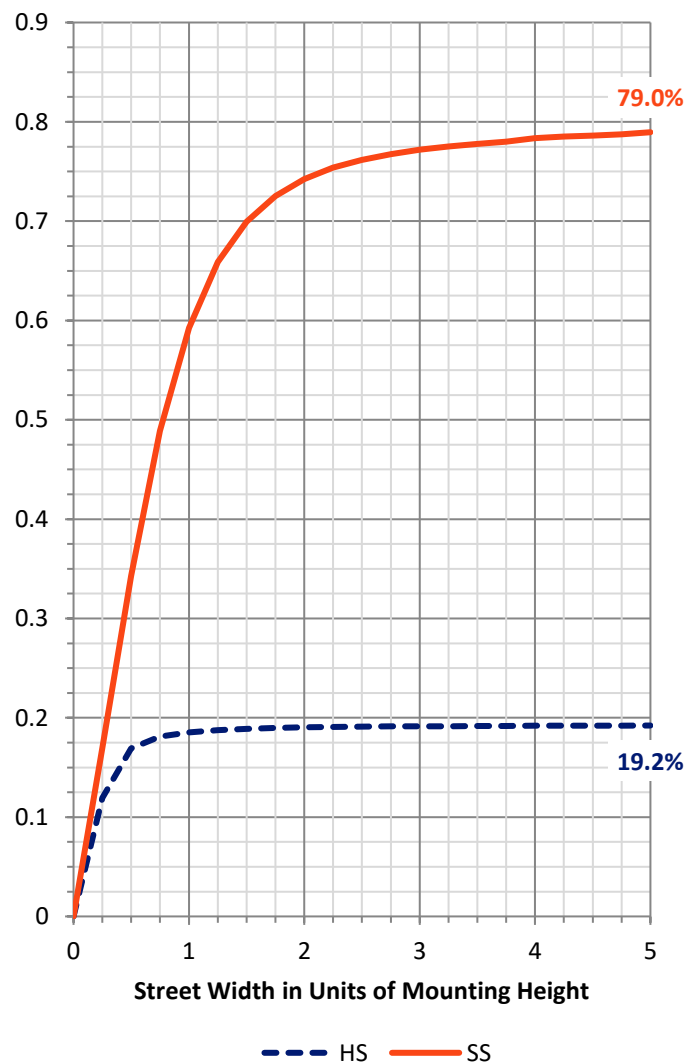
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1085.6	15.4	1101.0
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4424.7	42.5	4467.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	5510.2	57.8	5568.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	1.7
10°-20°	280.2	5.0
20°-30°	471.4	8.5
30°-40°	701.0	12.6
40°-50°	927.5	16.7
50°-60°	1080.0	19.4
60°-70°	1078.2	19.4
70°-80°	723.5	13.0
80°-90°	152.9	2.7
90°-100°	46.6	0.8
100°-110°	8.1	0.1
110°-120°	0.6	0.0
120°-130°	0.7	0.0
130°-140°	0.7	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°	5510.2	99.0
0°-180°	5568.1	100.0

Coefficient of Utilization



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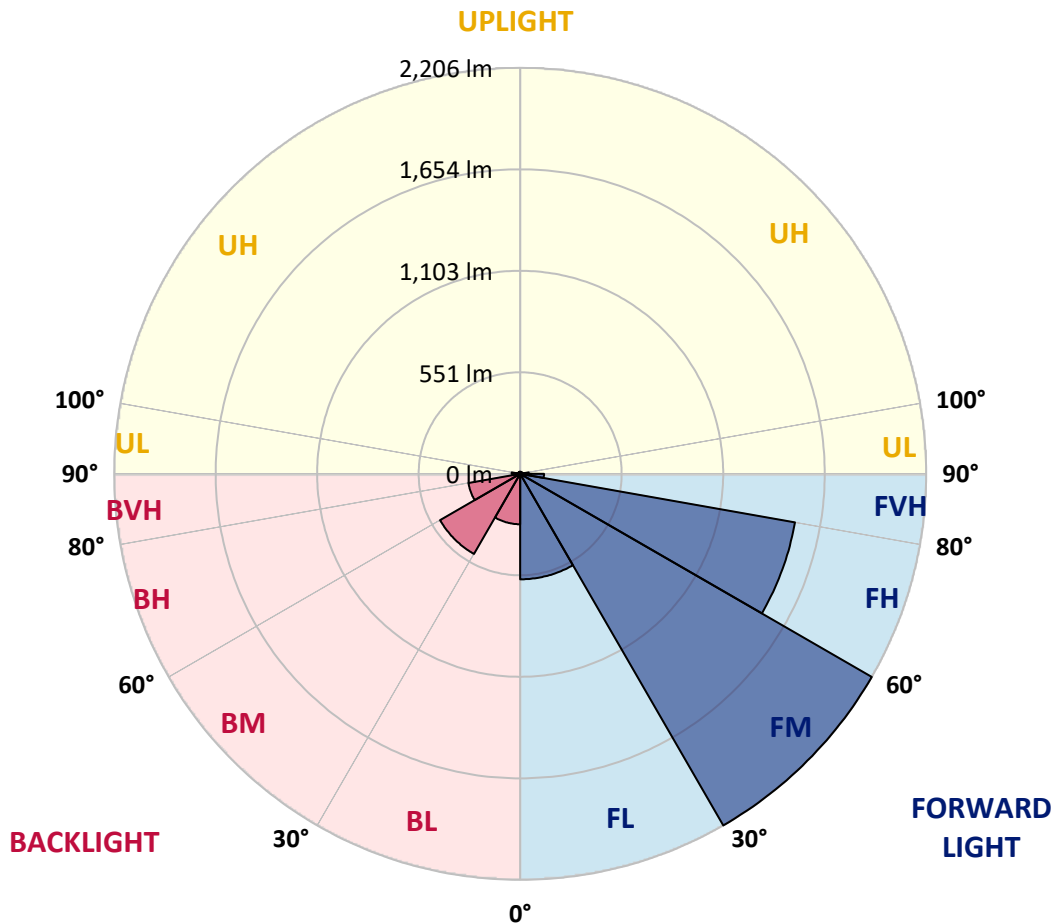
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.2	10.3			
FM	(30°-60°)	2205.9	39.6			
FH	(60°-80°)	1516.2	27.2			G1/1800
FVH	(80°-90°)	129.4	2.3			G2/225
BL	(0°-30°)	273.9	4.9	B1/500		
BM	(30°-60°)	502.7	9.0	B1/1000		
BH	(60°-80°)	285.5	5.1	B1/500		G1/500
BVH	(80°-90°)	23.5	0.4			G1/100
UL	(90°-100°)	46.6	0.8		U2/50	
UH	(100°-180°)	11.3	0.2		U2/50	

BUG Rating: B1-U2-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	1073.9	1067.7	1069.7	1059.5	1049.2	1043.0	1036.8	1026.5	1026.5	1018.3	1008.0
5°	1150.0	1152.0	1150.0	1137.6	1125.3	1106.8	1084.1	1065.6	1065.6	1047.1	1022.4
7.5°	1201.4	1199.3	1199.3	1184.9	1176.7	1166.4	1139.7	1098.5	1096.5	1071.8	1040.9
10°	1222.0	1224.0	1232.3	1211.7	1203.5	1189.1	1174.7	1133.5	1129.4	1088.3	1038.9
12.5°	1267.2	1269.3	1265.2	1248.7	1238.4	1228.1	1205.5	1170.5	1166.4	1121.2	1053.3
15°	1320.7	1320.7	1314.5	1298.1	1291.9	1277.5	1250.8	1217.9	1213.7	1162.3	1080.0
17.5°	1349.5	1353.6	1353.6	1331.0	1333.1	1326.9	1312.5	1269.3	1263.1	1215.8	1117.1
20°	1363.9	1366.0	1370.1	1370.1	1368.0	1366.0	1374.2	1335.1	1331.0	1275.5	1160.3
22.5°	1405.1	1409.2	1419.5	1413.3	1419.5	1427.7	1429.7	1427.7	1421.5	1361.9	1232.3
25°	1423.6	1435.9	1450.3	1468.8	1487.4	1499.7	1528.5	1542.9	1538.8	1481.2	1345.4
27.5°	1403.0	1415.3	1466.8	1501.8	1559.4	1594.3	1647.8	1670.4	1668.4	1621.1	1462.7
30°	1438.0	1442.1	1464.7	1514.1	1588.2	1684.8	1758.9	1793.9	1802.1	1758.9	1586.1
32.5°	1386.5	1400.9	1464.7	1557.3	1668.4	1771.2	1843.2	1921.4	1931.7	1913.2	1748.6
35°	1382.4	1392.7	1427.7	1528.5	1670.4	1861.8	1960.5	2067.5	2075.7	2081.9	1913.2
37.5°	1324.8	1339.2	1409.2	1536.7	1732.2	1921.4	2059.2	2213.5	2234.1	2258.8	2051.0
40°	1261.1	1271.3	1331.0	1466.8	1717.8	1991.4	2153.9	2390.5	2411.0	2441.9	2234.1
42.5°	1166.4	1189.1	1289.9	1435.9	1709.5	2011.9	2248.5	2546.8	2565.3	2608.5	2388.4
45°	1082.1	1092.4	1170.5	1331.0	1643.7	2049.0	2328.7	2729.9	2748.4	2769.0	2509.8
47.5°	1016.3	1028.6	1102.7	1246.7	1577.9	2040.7	2402.8	2910.9	2931.5	2978.8	2659.9
50°	806.4	837.3	1024.5	1164.4	1468.8	2024.3	2466.6	3112.5	3159.8	3178.4	2816.3
52.5°	693.3	703.6	800.2	1090.3	1361.9	1964.6	2522.1	3332.7	3386.1	3351.2	3026.1
55°	646.0	652.1	699.4	944.3	1265.2	1843.2	2567.4	3544.5	3583.6	3472.5	3180.4
57.5°	611.0	621.3	641.8	765.3	1152.0	1639.6	2569.4	3661.8	3676.2	3573.3	3254.5
60°	565.7	569.8	613.0	666.5	1024.5	1427.7	2499.5	3721.5	3785.2	3690.6	3404.7
62.5°	532.8	536.9	563.7	606.9	903.1	1261.1	2293.8	3879.9	3919.0	3803.7	3460.2
65°	491.7	497.8	520.5	563.7	818.8	1160.3	2190.9	3838.7	3725.6	3777.0	3524.0
67.5°	448.5	452.6	477.3	510.2	697.4	1063.6	1935.8	3577.5	3495.2	3643.3	3353.2
70°	403.2	407.3	430.0	452.6	574.0	944.3	1612.8	3355.3	3425.2	3433.5	3192.8
72.5°	355.9	360.0	380.6	399.1	475.2	794.1	1281.6	3133.1	3176.3	3050.8	2820.4
75°	308.6	310.6	327.1	345.6	395.0	639.8	917.5	2598.2	2762.8	2915.0	2433.7
77.5°	248.9	253.0	269.5	275.7	316.8	516.4	594.5	1545.0	1761.0	2550.9	2184.7
80°	183.1	185.1	201.6	199.5	236.6	376.5	374.4	734.4	790.0	1575.8	1604.6
82.5°	121.4	125.5	139.9	135.8	160.5	228.3	234.5	395.0	421.7	611.0	703.6
85°	96.7	98.7	107.0	98.7	107.0	115.2	129.6	238.6	242.7	362.1	360.0
87.5°	78.2	80.2	88.5	82.3	84.3	88.5	102.9	152.2	156.3	228.3	236.6
90°	61.7	63.8	74.1	67.9	67.9	74.1	86.4	113.1	119.3	179.0	193.4
92.5°	41.1	41.1	47.3	45.3	45.3	53.5	76.1	84.3	90.5	166.6	174.9
95°	30.9	30.9	32.9	32.9	32.9	39.1	57.6	80.2	88.5	162.5	158.4
97.5°	20.6	20.6	22.6	22.6	22.6	24.7	32.9	65.8	74.1	131.7	129.6
100°	14.4	14.4	14.4	12.3	12.3	12.3	18.5	43.2	49.4	84.3	84.3
102.5°	10.3	8.2	8.2	8.2	6.2	6.2	8.2	20.6	22.6	45.3	43.2
105°	2.1	2.1	4.1	4.1	4.1	2.1	2.1	8.2	8.2	18.5	18.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	2.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	2.1
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°	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	1001.9	995.7	981.3	968.9	958.7	948.4	931.9	925.7	921.6	927.8	927.8
5°	1008.0	991.6	966.9	946.3	927.8	905.2	880.5	866.1	853.7	859.9	859.9
7.5°	1018.3	995.7	964.8	929.9	882.5	843.4	812.6	794.1	783.8	790.0	794.1
10°	1012.1	987.5	946.3	892.8	837.3	796.1	757.0	728.2	718.0	713.8	718.0
12.5°	1018.3	989.5	919.6	855.8	802.3	736.5	689.2	658.3	646.0	646.0	646.0
15°	1038.9	995.7	903.1	829.0	746.8	683.0	633.6	600.7	596.6	582.2	582.2
17.5°	1067.7	1001.9	896.9	787.9	697.4	631.6	574.0	541.0	530.8	532.8	532.8
20°	1096.5	1014.2	884.6	752.9	652.1	574.0	514.3	483.4	458.8	450.5	454.6
22.5°	1145.9	1049.2	874.3	734.4	600.7	526.6	460.8	409.4	368.2	355.9	349.7
25°	1217.9	1104.7	888.7	691.2	569.8	473.2	395.0	323.0	273.6	261.3	259.2
27.5°	1349.5	1191.1	905.2	691.2	520.5	425.8	314.8	238.6	199.5	187.2	191.3
30°	1472.9	1308.4	952.5	654.2	499.9	341.5	234.5	179.0	144.0	129.6	133.7
32.5°	1575.8	1419.5	1018.3	646.0	440.2	253.0	170.7	125.5	100.8	92.6	94.6
35°	1723.9	1514.1	1069.7	617.2	362.1	185.1	119.3	88.5	78.2	74.1	74.1
37.5°	1865.9	1629.3	1121.2	611.0	267.4	135.8	80.2	72.0	69.9	63.8	63.8
40°	2001.6	1746.6	1143.8	576.0	189.3	88.5	67.9	65.8	63.8	57.6	57.6
42.5°	2168.3	1859.7	1164.4	530.8	131.7	65.8	59.7	61.7	59.7	53.5	51.4
45°	2295.8	1935.8	1170.5	415.6	84.3	61.7	55.5	57.6	55.5	49.4	49.4
47.5°	2402.8	2038.7	1145.9	283.9	69.9	57.6	51.4	53.5	51.4	47.3	45.3
50°	2511.8	2133.3	1123.2	152.2	65.8	55.5	49.4	45.3	47.3	43.2	41.1
52.5°	2659.9	2203.3	1063.6	92.6	61.7	51.4	45.3	41.1	41.1	37.0	39.1
55°	2863.6	2376.1	952.5	86.4	59.7	49.4	43.2	37.0	37.0	32.9	32.9
57.5°	2954.1	2443.9	773.5	78.2	57.6	49.4	39.1	32.9	28.8	26.7	24.7
60°	3065.2	2544.7	608.9	72.0	53.5	47.3	35.0	28.8	22.6	20.6	20.6
62.5°	3126.9	2565.3	475.2	65.8	51.4	41.1	30.9	22.6	18.5	14.4	14.4
65°	3157.8	2550.9	316.8	59.7	47.3	39.1	26.7	18.5	12.3	10.3	10.3
67.5°	3040.5	2474.8	183.1	55.5	45.3	35.0	22.6	14.4	10.3	8.2	6.2
70°	2841.0	2252.6	115.2	49.4	43.2	30.9	20.6	12.3	8.2	6.2	4.1
72.5°	2606.5	1839.1	84.3	45.3	41.1	26.7	16.5	10.3	6.2	4.1	4.1
75°	2380.2	1602.6	72.0	39.1	35.0	22.6	14.4	8.2	6.2	4.1	2.1
77.5°	1703.4	1092.4	63.8	35.0	30.9	18.5	10.3	8.2	4.1	2.1	2.1
80°	1209.6	641.8	57.6	28.8	24.7	14.4	10.3	6.2	4.1	2.1	2.1
82.5°	580.1	333.3	55.5	24.7	18.5	12.3	8.2	6.2	4.1	2.1	2.1
85°	263.3	141.9	41.1	22.6	16.5	12.3	8.2	6.2	4.1	4.1	2.1
87.5°	160.5	74.1	32.9	18.5	12.3	10.3	6.2	4.1	4.1	4.1	4.1
90°	150.2	96.7	24.7	14.4	10.3	8.2	6.2	2.1	0.0	0.0	0.0
92.5°	144.0	111.1	18.5	10.3	6.2	6.2	2.1	0.0	0.0	0.0	0.0
95°	135.8	104.9	20.6	6.2	10.3	4.1	2.1	0.0	0.0	0.0	0.0
97.5°	107.0	82.3	22.6	6.2	51.4	4.1	2.1	0.0	0.0	0.0	0.0
100°	67.9	51.4	16.5	6.2	61.7	4.1	0.0	0.0	0.0	0.0	0.0
102.5°	39.1	28.8	8.2	6.2	18.5	2.1	0.0	0.0	0.0	0.0	0.0
105°	16.5	14.4	4.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
107.5°	4.1	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
110°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7040-HSS-CRTK2

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	2.1	0.0	0.0	0.0	0.0	0.0
115°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
117.5°	2.1	2.1	2.1	2.1	2.1	2.1	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	2.1	2.1	0.0	0.0	0.0	0.0
125°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
132.5°	2.1	2.1	2.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
155°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
167.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
170°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
172.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.1	2.1	2.1	2.1	2.1	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)