

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: P691564

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691564
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-C018-5TLD-U-T2-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6935.1 lumens
Efficiency: N/A
Efficacy: 129.1 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): 53.7
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



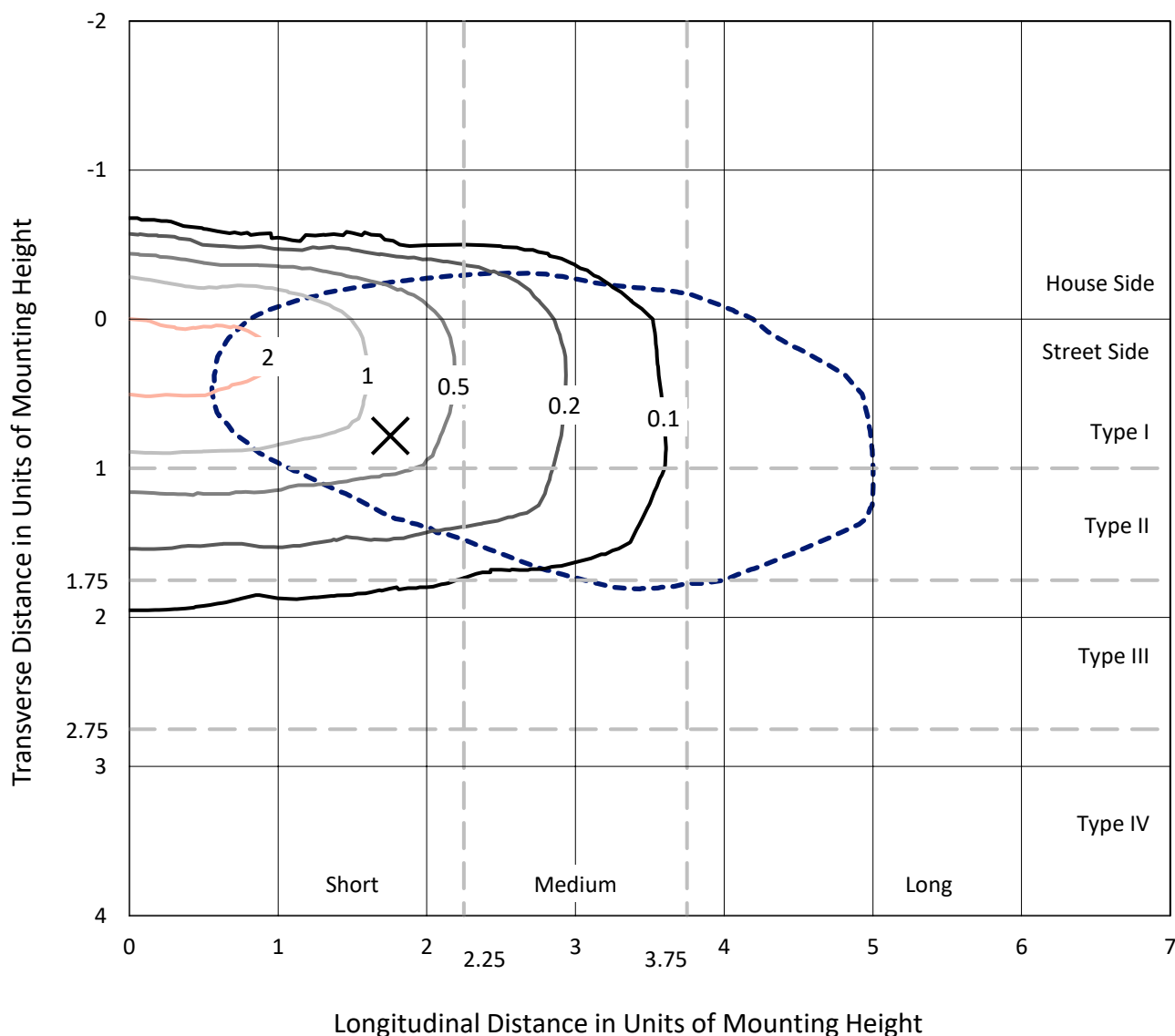
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



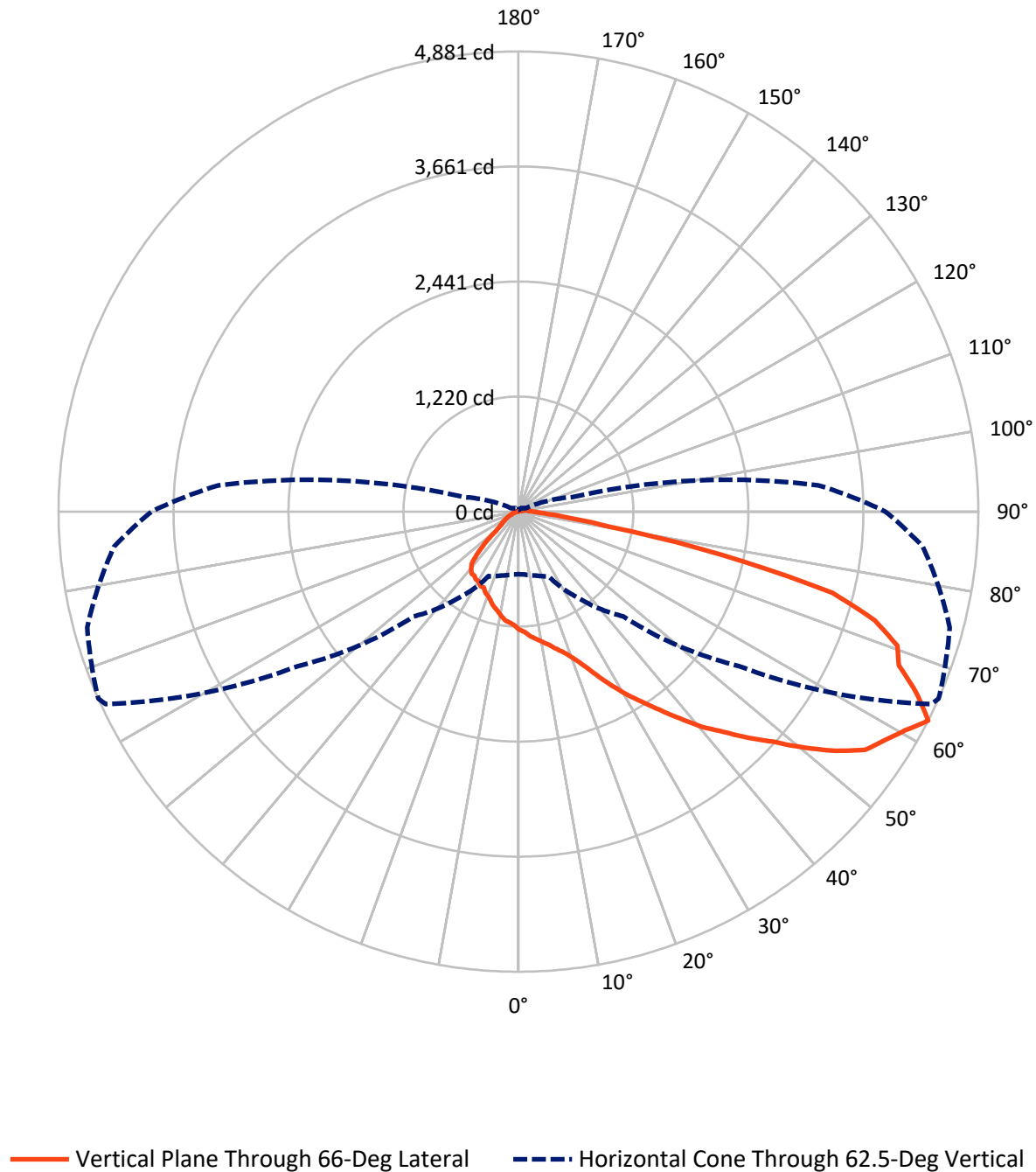
Based on 25 foot mounting height. Maximum calculated value = 2.4 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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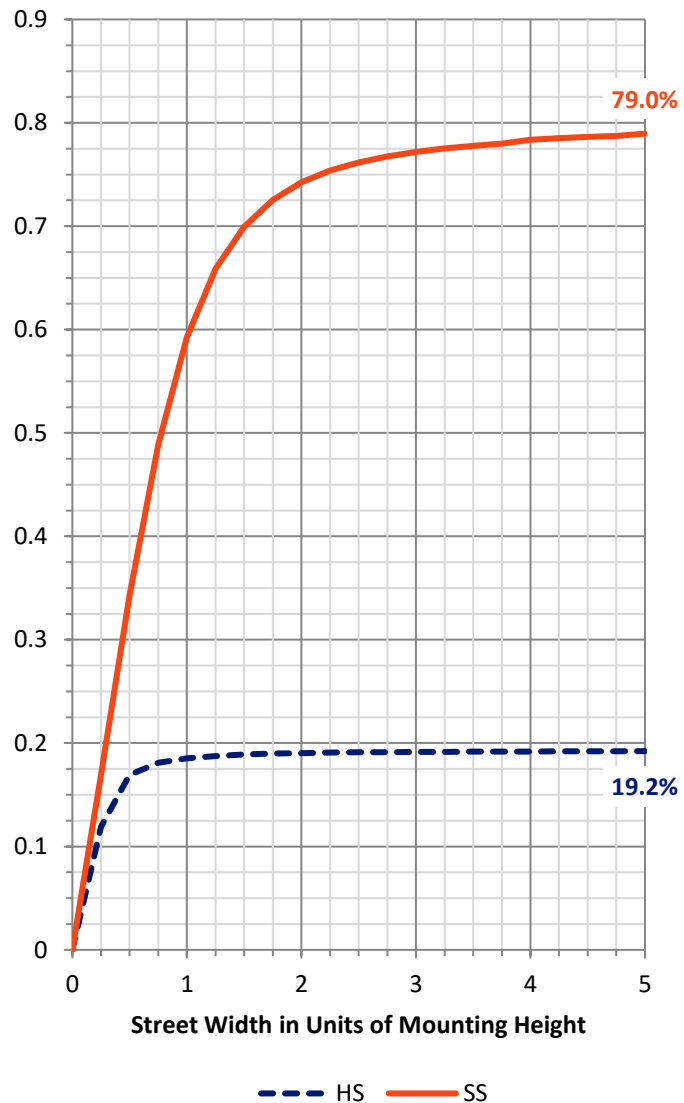
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1352.1	19.1	1371.2
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	5511.0	52.9	5563.8
	% Fixture	79.5	0.8	80.2
Total	Lumens	6863.1	72.0	6935.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	1.7
10°-20°	348.9	5.0
20°-30°	587.1	8.5
30°-40°	873.2	12.6
40°-50°	1155.3	16.7
50°-60°	1345.1	19.4
60°-70°	1342.9	19.4
70°-80°	901.2	13.0
80°-90°	190.4	2.7
90°-100°	58.0	0.8
100°-110°	10.1	0.1
110°-120°	0.8	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°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	6863.1	99.0
0°-180°	6935.1	100.0

Coefficient of Utilization



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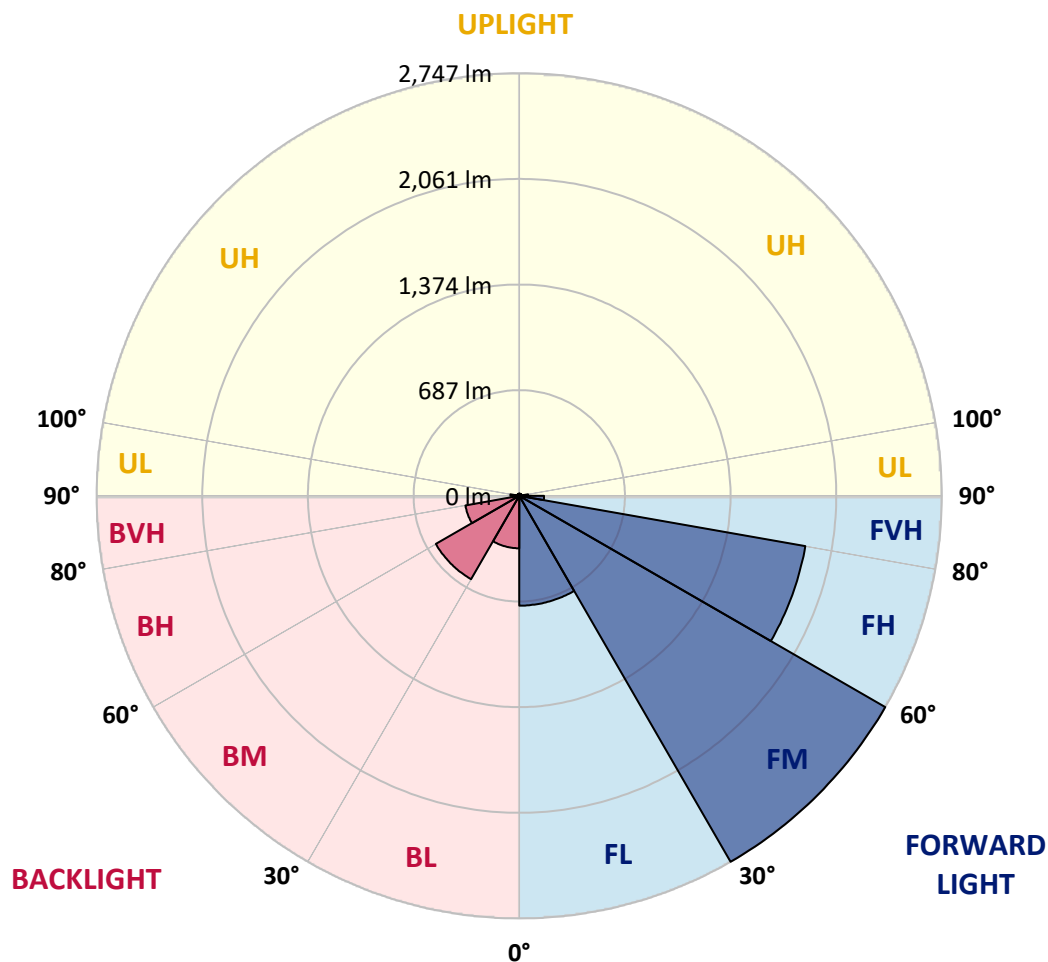
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	714.0	10.3			
FM	(30°-60°)	2747.4	39.6			
FH	(60°-80°)	1888.4	27.2			G2/5000
FVH	(80°-90°)	161.1	2.3			G2/225
BL	(0°-30°)	341.1	4.9	B1/500		
BM	(30°-60°)	626.1	9.0	B1/1000		
BH	(60°-80°)	355.6	5.1	B1/500		G1/500
BVH	(80°-90°)	29.3	0.4			G1/100
UL	(90°-100°)	58.0	0.8		U3/500	
UH	(100°-180°)	14.0	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°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1337.5	1329.8	1332.4	1319.6	1306.7	1299.1	1291.4	1278.6	1278.6	1268.3	1255.5
5°	1432.3	1434.9	1432.3	1416.9	1401.6	1378.5	1350.3	1327.2	1327.2	1304.2	1273.4
7.5°	1496.4	1493.8	1493.8	1475.9	1465.6	1452.8	1419.5	1368.2	1365.7	1334.9	1296.5
10°	1522.0	1524.5	1534.8	1509.2	1498.9	1481.0	1463.0	1411.8	1406.7	1355.4	1293.9
12.5°	1578.3	1580.9	1575.8	1555.3	1542.5	1529.7	1501.5	1457.9	1452.8	1396.4	1311.9
15°	1645.0	1645.0	1637.3	1616.8	1609.1	1591.2	1557.9	1516.9	1511.7	1447.7	1345.2
17.5°	1680.8	1686.0	1686.0	1657.8	1660.3	1652.7	1634.7	1580.9	1573.2	1514.3	1391.3
20°	1698.8	1701.3	1706.5	1706.5	1703.9	1701.3	1711.6	1662.9	1657.8	1588.6	1445.1
22.5°	1750.0	1755.1	1768.0	1760.3	1768.0	1778.2	1780.8	1778.2	1770.5	1696.2	1534.8
25°	1773.1	1788.5	1806.4	1829.4	1852.5	1867.9	1903.8	1921.7	1916.6	1844.8	1675.7
27.5°	1747.5	1762.8	1826.9	1870.4	1942.2	1985.7	2052.4	2080.6	2078.0	2019.1	1821.8
30°	1791.0	1796.1	1824.3	1885.8	1978.1	2098.5	2190.7	2234.3	2244.5	2190.7	1975.5
32.5°	1727.0	1744.9	1824.3	1939.6	2078.0	2206.1	2295.8	2393.1	2406.0	2382.9	2177.9
35°	1721.8	1734.6	1778.2	1903.8	2080.6	2318.8	2441.8	2575.1	2585.3	2593.0	2382.9
37.5°	1650.1	1668.0	1755.1	1914.0	2157.4	2393.1	2564.8	2757.0	2782.6	2813.4	2554.6
40°	1570.7	1583.5	1657.8	1826.9	2139.5	2480.3	2682.7	2977.3	3003.0	3041.4	2782.6
42.5°	1452.8	1481.0	1606.5	1788.5	2129.2	2505.9	2800.5	3172.1	3195.1	3248.9	2974.8
45°	1347.7	1360.6	1457.9	1657.8	2047.2	2552.0	2900.5	3400.1	3423.2	3448.8	3125.9
47.5°	1265.8	1281.1	1373.4	1552.7	1965.2	2541.8	2992.7	3625.6	3651.2	3710.1	3313.0
50°	1004.4	1042.8	1276.0	1450.2	1829.4	2521.3	3072.1	3876.7	3935.6	3958.7	3507.7
52.5°	863.5	876.3	996.7	1358.0	1696.2	2447.0	3141.3	4150.9	4217.5	4173.9	3769.1
55°	804.5	812.2	871.2	1176.1	1575.8	2295.8	3197.7	4414.8	4463.4	4325.1	3961.2
57.5°	761.0	773.8	799.4	953.2	1434.9	2042.1	3200.3	4560.8	4578.7	4450.6	4053.5
60°	704.6	709.7	763.6	830.2	1276.0	1778.2	3113.1	4635.1	4714.5	4596.7	4240.5
62.5°	663.6	668.7	702.1	755.9	1124.8	1570.7	2856.9	4832.4	4881.1	4737.6	4309.7
65°	612.4	620.1	648.3	702.1	1019.8	1445.1	2728.8	4781.2	4640.2	4704.3	4389.1
67.5°	558.6	563.7	594.4	635.4	868.6	1324.7	2411.1	4455.8	4353.3	4537.8	4176.5
70°	502.2	507.3	535.5	563.7	714.9	1176.1	2008.8	4179.0	4266.2	4276.4	3976.6
72.5°	443.3	448.4	474.0	497.1	591.9	989.0	1596.3	3902.3	3956.1	3799.8	3512.9
75°	384.3	386.9	407.4	430.5	492.0	796.9	1142.8	3236.1	3441.1	3630.7	3031.1
77.5°	310.0	315.2	335.7	343.3	394.6	643.1	740.5	1924.3	2193.3	3177.2	2721.1
80°	228.0	230.6	251.1	248.5	294.7	468.9	466.3	914.7	983.9	1962.7	1998.6
82.5°	151.2	156.3	174.2	169.1	199.9	284.4	292.1	492.0	525.3	761.0	876.3
85°	120.4	123.0	133.2	123.0	133.2	143.5	161.4	297.2	302.3	451.0	448.4
87.5°	97.4	99.9	110.2	102.5	105.1	110.2	128.1	189.6	194.7	284.4	294.7
90°	76.9	79.4	92.2	84.6	84.6	92.2	107.6	140.9	148.6	222.9	240.9
92.5°	51.2	51.2	58.9	56.4	56.4	66.6	94.8	105.1	112.7	207.5	217.8
95°	38.4	38.4	41.0	41.0	41.0	48.7	71.7	99.9	110.2	202.4	197.3
97.5°	25.6	25.6	28.2	28.2	28.2	30.7	41.0	82.0	92.2	164.0	161.4
100°	17.9	17.9	17.9	15.4	15.4	15.4	23.1	53.8	61.5	105.1	105.1
102.5°	12.8	10.2	10.2	10.2	7.7	7.7	10.2	25.6	28.2	56.4	53.8
105°	2.6	2.6	5.1	5.1	5.1	2.6	2.6	10.2	10.2	23.1	23.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6
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°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1247.8	1240.1	1222.2	1206.8	1194.0	1181.2	1160.7	1153.0	1147.9	1155.6	1155.6
5°	1255.5	1235.0	1204.3	1178.6	1155.6	1127.4	1096.6	1078.7	1063.3	1071.0	1071.0
7.5°	1268.3	1240.1	1201.7	1158.1	1099.2	1050.5	1012.1	989.0	976.2	983.9	989.0
10°	1260.6	1229.9	1178.6	1112.0	1042.8	991.6	942.9	907.0	894.2	889.1	894.2
12.5°	1268.3	1232.4	1145.3	1065.9	999.3	917.3	858.4	819.9	804.5	804.5	804.5
15°	1293.9	1240.1	1124.8	1032.6	930.1	850.7	789.2	748.2	743.1	725.1	725.1
17.5°	1329.8	1247.8	1117.1	981.3	868.6	786.6	714.9	673.9	661.1	663.6	663.6
20°	1365.7	1263.2	1101.8	937.8	812.2	714.9	640.6	602.1	571.4	561.1	566.3
22.5°	1427.2	1306.7	1089.0	914.7	748.2	655.9	573.9	509.9	458.6	443.3	435.6
25°	1516.9	1375.9	1106.9	860.9	709.7	589.3	492.0	402.3	340.8	325.4	322.8
27.5°	1680.8	1483.5	1127.4	860.9	648.3	530.4	392.0	297.2	248.5	233.2	238.3
30°	1834.6	1629.6	1186.3	814.8	622.6	425.3	292.1	222.9	179.4	161.4	166.5
32.5°	1962.7	1768.0	1268.3	804.5	548.3	315.2	212.7	156.3	125.6	115.3	117.9
35°	2147.2	1885.8	1332.4	768.7	451.0	230.6	148.6	110.2	97.4	92.2	92.2
37.5°	2324.0	2029.3	1396.4	761.0	333.1	169.1	99.9	89.7	87.1	79.4	79.4
40°	2493.1	2175.4	1424.6	717.4	235.7	110.2	84.6	82.0	79.4	71.7	71.7
42.5°	2700.6	2316.3	1450.2	661.1	164.0	82.0	74.3	76.9	74.3	66.6	64.1
45°	2859.5	2411.1	1457.9	517.6	105.1	76.9	69.2	71.7	69.2	61.5	61.5
47.5°	2992.7	2539.2	1427.2	353.6	87.1	71.7	64.1	66.6	64.1	58.9	56.4
50°	3128.5	2657.1	1399.0	189.6	82.0	69.2	61.5	56.4	58.9	53.8	51.2
52.5°	3313.0	2744.2	1324.7	115.3	76.9	64.1	56.4	51.2	51.2	46.1	48.7
55°	3566.7	2959.4	1186.3	107.6	74.3	61.5	53.8	46.1	46.1	41.0	41.0
57.5°	3679.4	3044.0	963.4	97.4	71.7	61.5	48.7	41.0	35.9	33.3	30.7
60°	3817.8	3169.5	758.4	89.7	66.6	58.9	43.6	35.9	28.2	25.6	25.6
62.5°	3894.6	3195.1	591.9	82.0	64.1	51.2	38.4	28.2	23.1	17.9	17.9
65°	3933.1	3177.2	394.6	74.3	58.9	48.7	33.3	23.1	15.4	12.8	12.8
67.5°	3787.0	3082.4	228.0	69.2	56.4	43.6	28.2	17.9	12.8	10.2	7.7
70°	3538.5	2805.7	143.5	61.5	53.8	38.4	25.6	15.4	10.2	7.7	5.1
72.5°	3246.4	2290.7	105.1	56.4	51.2	33.3	20.5	12.8	7.7	5.1	5.1
75°	2964.5	1996.0	89.7	48.7	43.6	28.2	17.9	10.2	7.7	5.1	2.6
77.5°	2121.5	1360.6	79.4	43.6	38.4	23.1	12.8	10.2	5.1	2.6	2.6
80°	1506.6	799.4	71.7	35.9	30.7	17.9	12.8	7.7	5.1	2.6	2.6
82.5°	722.6	415.1	69.2	30.7	23.1	15.4	10.2	7.7	5.1	2.6	2.6
85°	328.0	176.8	51.2	28.2	20.5	15.4	10.2	7.7	5.1	5.1	2.6
87.5°	199.9	92.2	41.0	23.1	15.4	12.8	7.7	5.1	5.1	5.1	5.1
90°	187.0	120.4	30.7	17.9	12.8	10.2	7.7	2.6	0.0	0.0	0.0
92.5°	179.4	138.4	23.1	12.8	7.7	7.7	2.6	0.0	0.0	0.0	0.0
95°	169.1	130.7	25.6	7.7	12.8	5.1	2.6	0.0	0.0	0.0	0.0
97.5°	133.2	102.5	28.2	7.7	64.1	5.1	2.6	0.0	0.0	0.0	0.0
100°	84.6	64.1	20.5	7.7	76.9	5.1	0.0	0.0	0.0	0.0	0.0
102.5°	48.7	35.9	10.2	7.7	23.1	2.6	0.0	0.0	0.0	0.0	0.0
105°	20.5	17.9	5.1	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
107.5°	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	5.1	2.6	2.6	2.6	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	2.6	5.1	2.6	2.6	2.6	0.0	0.0	0.0	0.0
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
140°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
155°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
170°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
172.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.6	2.6	2.6	2.6	2.6	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)