

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: P691436

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5049 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
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



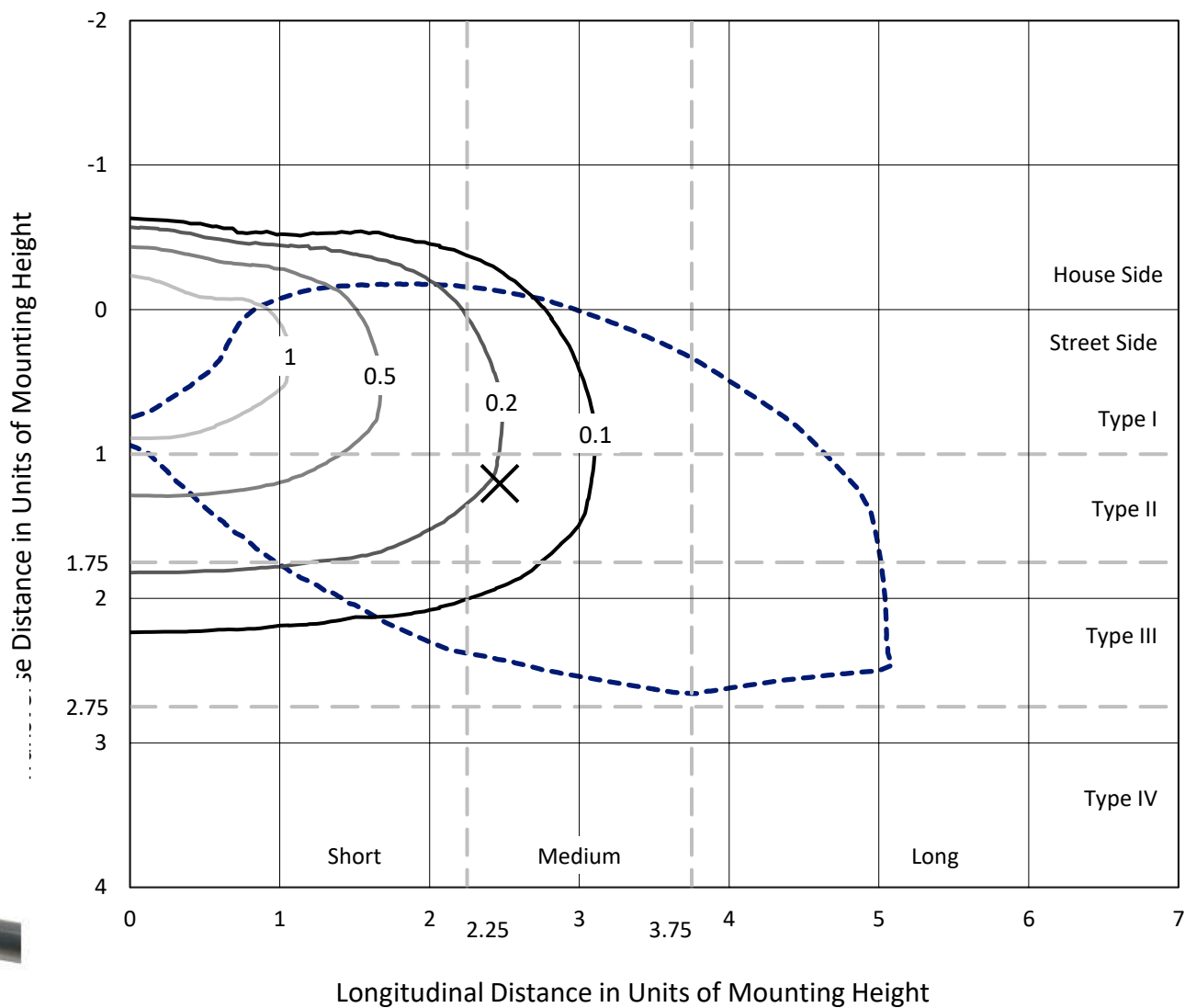
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CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

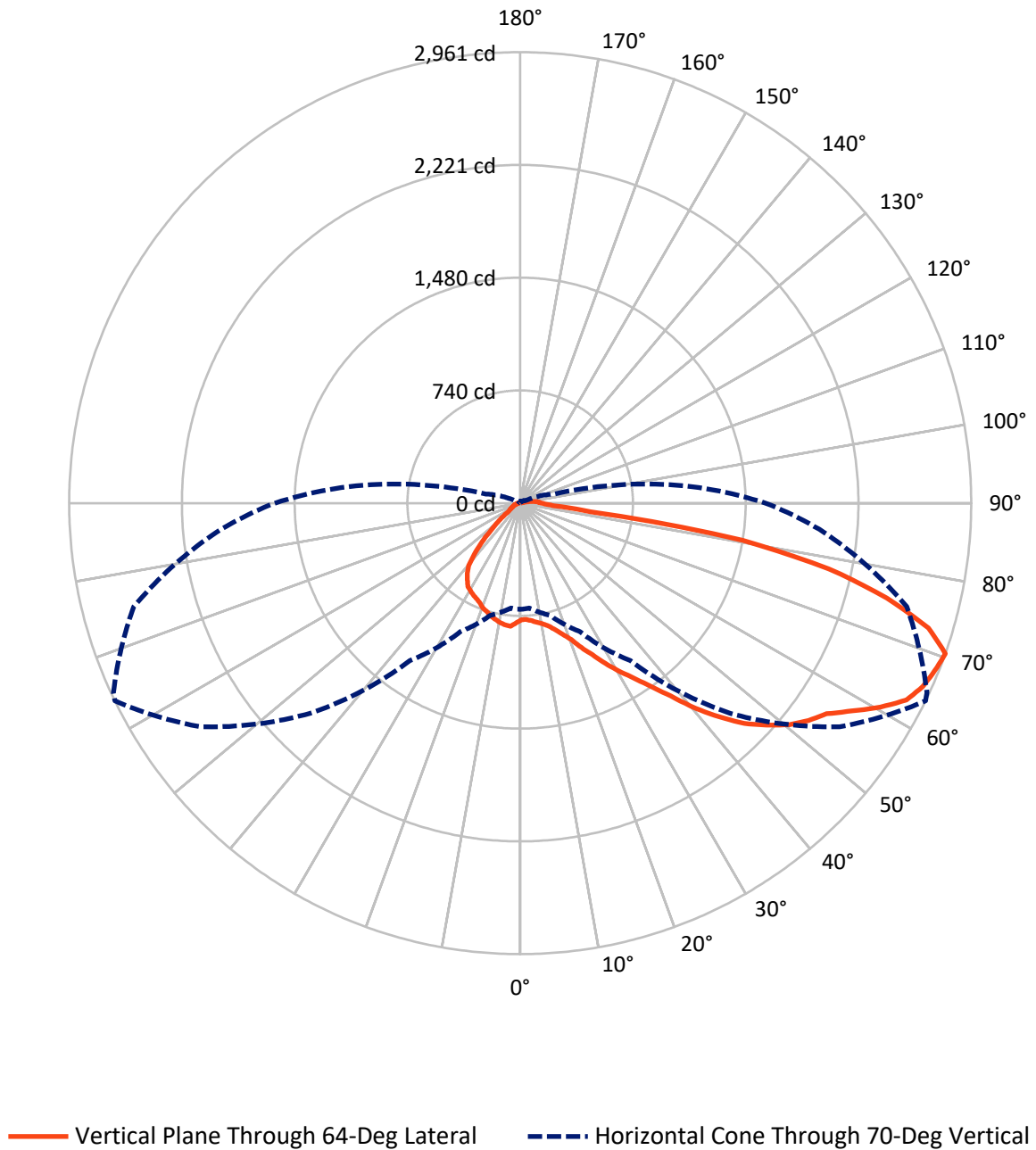


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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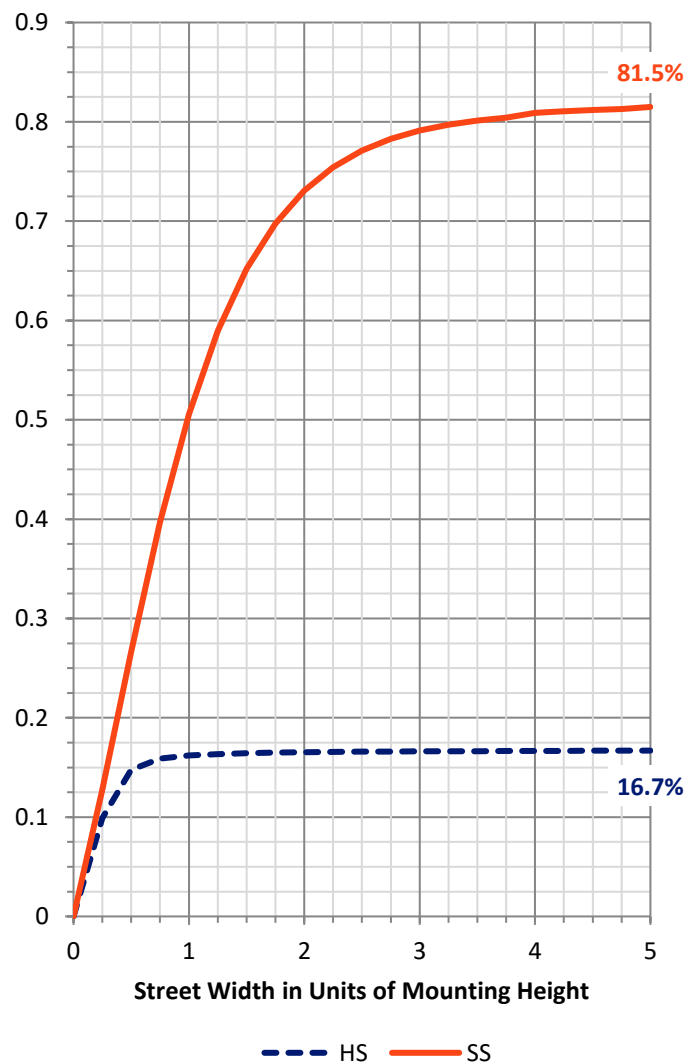
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	856.3	10.4	866.7
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	4139.7	42.6	4182.3
	% Fixture	82.0	0.8	82.8
Total	Lumens	4996.0	53.0	5049.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	1.5
10°-20°	232.7	4.6
20°-30°	402.3	8.0
30°-40°	596.9	11.8
40°-50°	819.9	16.2
50°-60°	995.8	19.7
60°-70°	1057.9	21.0
70°-80°	698.9	13.8
80°-90°	115.7	2.3
90°-100°	43.1	0.9
100°-110°	7.3	0.1
110°-120°	0.5	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	4996.0	99.0
0°-180°	5049.0	100.0

Coefficient of Utilization



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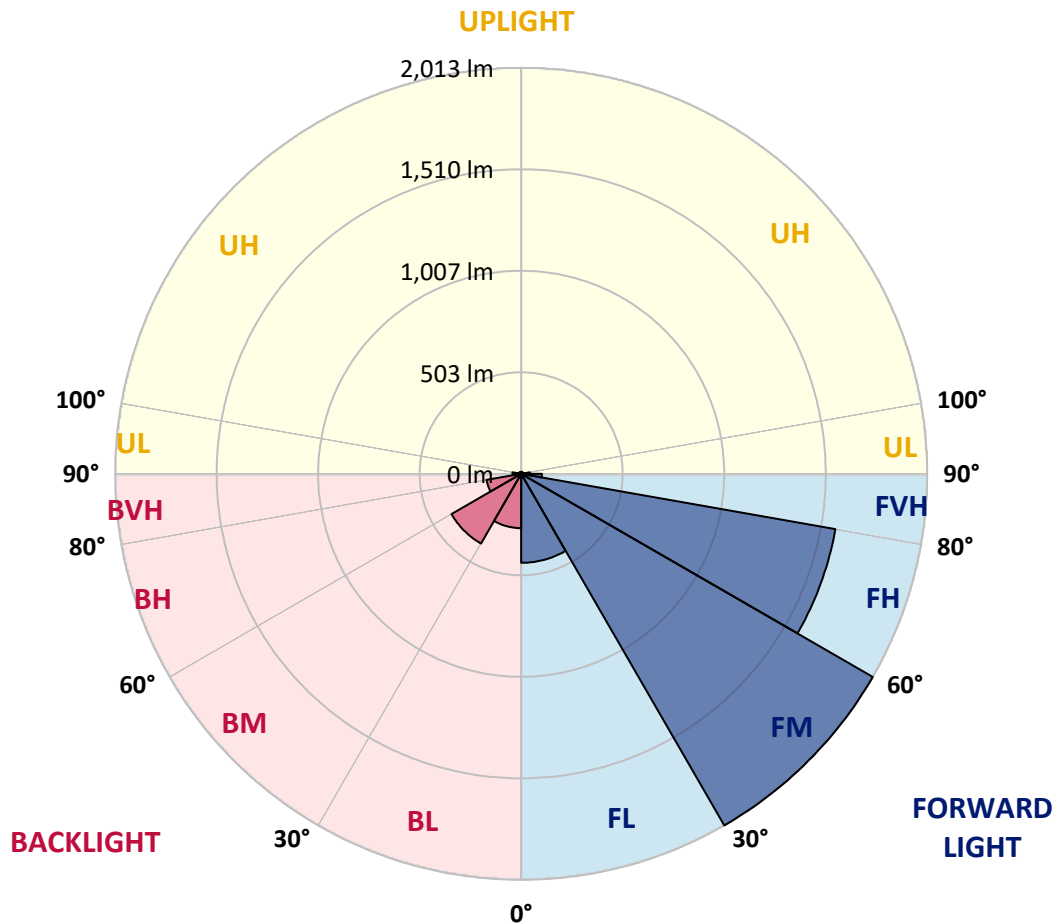
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	441.3	8.7			
FM	(30°-60°)	2013.5	39.9			
FH	(60°-80°)	1582.2	31.3			G1/1800
FVH	(80°-90°)	102.7	2.0			G2/225
BL	(0°-30°)	269.5	5.3	B1/500		
BM	(30°-60°)	399.1	7.9	B1/1000		
BH	(60°-80°)	174.6	3.5	B1/500		G1/500
BVH	(80°-90°)	13.0	0.3			G1/100
UL	(90°-100°)	43.1	0.9		U2/50	
UH	(100°-180°)	9.8	0.2		U1/10	

BUG Rating: B1-U2-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9
2.5°	771.3	769.5	771.3	769.5	767.7	765.9	764.1	764.1	762.3	764.1	765.9
5°	805.6	807.5	803.8	796.6	787.6	780.4	776.7	774.9	774.9	776.7	784.0
7.5°	830.9	829.1	827.3	825.5	818.3	802.0	793.0	789.4	789.4	785.8	798.4
10°	876.1	872.5	863.5	852.6	845.4	827.3	811.1	805.6	803.8	805.6	816.5
12.5°	924.9	921.3	919.4	908.6	883.3	867.1	840.0	827.3	827.3	827.3	832.7
15°	995.3	989.9	971.8	959.2	937.5	910.4	879.7	861.6	861.6	865.3	850.8
17.5°	1045.9	1042.3	1040.5	1018.8	1000.7	959.2	935.7	905.0	905.0	912.2	881.5
20°	1098.3	1094.7	1096.5	1092.9	1065.8	1033.3	991.7	955.6	955.6	957.4	914.0
22.5°	1168.7	1163.3	1163.3	1161.5	1147.1	1109.1	1060.3	1029.6	1024.2	1009.8	955.6
25°	1239.2	1237.4	1233.8	1235.6	1232.0	1188.6	1136.2	1101.9	1101.9	1082.0	1011.6
27.5°	1309.6	1309.6	1307.8	1309.6	1307.8	1280.7	1228.3	1192.2	1194.0	1168.7	1073.0
30°	1360.2	1358.4	1371.0	1376.5	1380.1	1369.2	1318.7	1278.9	1282.5	1257.2	1145.2
32.5°	1407.2	1405.4	1427.0	1439.7	1443.3	1441.5	1399.9	1367.4	1376.5	1353.0	1232.0
35°	1450.5	1448.7	1477.6	1510.1	1524.6	1521.0	1493.9	1475.8	1484.8	1483.0	1349.4
37.5°	1483.0	1488.5	1526.4	1571.6	1596.8	1598.7	1586.0	1605.9	1616.7	1652.8	1495.7
40°	1521.0	1521.0	1557.1	1605.9	1651.0	1669.1	1679.9	1770.3	1781.1	1788.3	1593.2
42.5°	1481.2	1492.1	1569.7	1642.0	1699.8	1741.4	1801.0	1918.4	1941.9	1887.7	1712.5
45°	1450.5	1459.6	1539.0	1660.1	1743.2	1820.8	1932.8	2062.9	2081.0	1987.0	1775.7
47.5°	1418.0	1432.5	1513.8	1647.4	1784.7	1918.4	2043.0	2176.7	2193.0	2071.9	1864.2
50°	1380.1	1396.3	1483.0	1629.4	1806.4	2010.5	2142.4	2286.9	2288.7	2146.0	1913.0
52.5°	1344.0	1354.8	1445.1	1605.9	1824.4	2081.0	2236.3	2370.0	2359.1	2239.9	1965.3
55°	1282.5	1304.2	1399.9	1573.4	1833.5	2120.7	2301.3	2440.4	2447.7	2341.1	2035.8
57.5°	1226.5	1241.0	1342.1	1526.4	1826.3	2144.2	2364.6	2572.3	2586.7	2431.4	2086.4
60°	1156.1	1165.1	1262.7	1461.4	1779.3	2183.9	2505.5	2718.6	2734.9	2518.1	2106.2
62.5°	1067.6	1067.6	1165.1	1374.7	1719.7	2212.8	2603.0	2845.1	2845.1	2586.7	2113.5
65°	953.8	959.2	1045.9	1257.2	1620.3	2196.6	2631.9	2904.7	2910.1	2635.5	2109.9
67.5°	843.6	841.8	917.6	1103.7	1470.4	2111.7	2610.2	2935.4	2957.1	2664.4	2062.9
70°	697.3	691.8	762.3	930.3	1260.9	1950.9	2559.6	2960.7	2946.2	2626.5	1970.8
72.5°	536.5	531.1	583.5	711.7	993.5	1674.5	2411.5	2801.7	2776.4	2420.6	1781.1
75°	381.1	373.9	415.5	500.4	653.9	1224.7	2068.3	2485.6	2456.7	2176.7	1486.7
77.5°	216.8	209.5	247.5	316.1	395.6	693.7	1566.1	2071.9	2111.7	1795.5	1136.2
80°	95.7	92.1	108.4	151.7	222.2	330.6	852.6	1481.2	1427.0	1224.7	646.7
82.5°	81.3	81.3	83.1	86.7	90.3	151.7	319.7	466.0	446.2	359.5	205.9
85°	70.4	68.6	72.3	75.9	77.7	99.4	186.1	224.0	220.4	198.7	142.7
87.5°	57.8	54.2	59.6	63.2	63.2	81.3	139.1	164.4	164.4	166.2	126.4
90°	50.6	50.6	47.0	47.0	48.8	57.8	106.6	135.5	139.1	171.6	146.3
92.5°	43.4	43.4	43.4	43.4	36.1	41.5	75.9	121.0	130.1	168.0	131.9
95°	41.5	39.7	41.5	37.9	36.1	37.9	57.8	106.6	117.4	148.1	115.6
97.5°	28.9	27.1	30.7	30.7	32.5	34.3	48.8	79.5	83.1	110.2	86.7
100°	19.9	18.1	18.1	18.1	23.5	23.5	39.7	48.8	50.6	70.4	57.8
102.5°	10.8	9.0	9.0	9.0	12.6	14.5	19.9	27.1	27.1	37.9	32.5
105°	3.6	3.6	5.4	5.4	5.4	7.2	7.2	9.0	9.0	10.8	14.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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°	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9
2.5°	767.7	771.3	780.4	785.8	793.0	800.2	805.6	805.6	811.1	807.5	805.6
5°	791.2	793.0	803.8	811.1	809.3	802.0	796.6	793.0	794.8	798.4	798.4
7.5°	807.5	814.7	805.6	805.6	803.8	794.8	784.0	773.1	767.7	765.9	765.9
10°	816.5	809.3	805.6	796.6	776.7	771.3	762.3	742.4	737.0	737.0	729.8
12.5°	821.9	818.3	798.4	782.2	764.1	735.2	715.3	711.7	695.5	693.7	695.5
15°	843.6	825.5	800.2	769.5	735.2	709.9	682.8	653.9	641.3	643.1	644.9
17.5°	858.0	841.8	796.6	747.8	717.1	670.2	639.5	623.2	603.3	603.3	603.3
20°	881.5	854.4	791.2	738.8	666.6	632.2	596.1	578.0	558.2	523.9	520.2
22.5°	912.2	877.9	789.4	711.7	646.7	590.7	538.3	482.3	453.4	433.5	428.1
25°	950.2	910.4	802.0	699.1	608.8	540.1	473.3	397.4	343.2	332.4	332.4
27.5°	1015.2	952.0	818.3	686.4	587.1	484.1	379.3	312.5	265.5	251.1	249.3
30°	1078.4	1004.3	823.7	673.8	545.5	408.2	292.6	222.2	180.6	162.6	159.0
32.5°	1177.8	1076.6	870.7	662.9	498.6	328.8	207.7	140.9	106.6	95.7	93.9
35°	1278.9	1174.2	886.9	634.0	413.7	240.2	119.2	75.9	57.8	48.8	47.0
37.5°	1409.0	1297.0	935.7	603.3	328.8	137.3	66.8	41.5	36.1	36.1	36.1
40°	1484.8	1351.2	979.1	563.6	225.8	70.4	39.7	32.5	32.5	30.7	30.7
42.5°	1582.4	1418.0	1017.0	485.9	119.2	43.4	34.3	30.7	27.1	27.1	27.1
45°	1638.4	1461.4	1004.3	390.2	56.0	39.7	32.5	27.1	25.3	25.3	25.3
47.5°	1707.0	1515.6	977.3	289.0	48.8	36.1	30.7	25.3	23.5	25.3	25.3
50°	1775.7	1569.7	908.6	222.2	45.2	34.3	27.1	21.7	21.7	23.5	23.5
52.5°	1810.0	1607.7	827.3	153.5	45.2	32.5	25.3	21.7	19.9	19.9	19.9
55°	1849.7	1616.7	758.7	101.2	43.4	30.7	23.5	18.1	18.1	16.3	16.3
57.5°	1871.4	1593.2	708.1	84.9	41.5	28.9	21.7	16.3	14.5	12.6	12.6
60°	1862.4	1558.9	664.7	74.1	37.9	27.1	19.9	14.5	10.8	9.0	9.0
62.5°	1844.3	1530.0	585.3	65.0	36.1	23.5	16.3	12.6	9.0	7.2	7.2
65°	1824.4	1452.3	493.1	56.0	32.5	21.7	14.5	10.8	7.2	5.4	5.4
67.5°	1732.3	1349.4	361.3	50.6	30.7	19.9	12.6	9.0	7.2	5.4	5.4
70°	1611.3	1177.8	233.0	43.4	27.1	18.1	12.6	7.2	5.4	3.6	3.6
72.5°	1371.0	961.0	117.4	37.9	25.3	18.1	10.8	7.2	5.4	3.6	1.8
75°	1120.0	717.1	75.9	32.5	23.5	18.1	10.8	7.2	3.6	1.8	1.8
77.5°	802.0	388.4	57.8	28.9	19.9	18.1	9.0	5.4	3.6	3.6	1.8
80°	334.2	140.9	47.0	23.5	18.1	16.3	9.0	5.4	3.6	3.6	1.8
82.5°	140.9	97.5	41.5	19.9	16.3	16.3	7.2	5.4	3.6	3.6	3.6
85°	110.2	81.3	36.1	18.1	14.5	18.1	7.2	5.4	5.4	5.4	5.4
87.5°	103.0	83.1	32.5	16.3	14.5	12.6	7.2	5.4	9.0	9.0	10.8
90°	115.6	86.7	25.3	14.5	12.6	10.8	5.4	3.6	3.6	0.0	0.0
92.5°	106.6	79.5	18.1	10.8	16.3	7.2	3.6	0.0	0.0	0.0	0.0
95°	92.1	66.8	10.8	7.2	18.1	9.0	1.8	0.0	0.0	0.0	0.0
97.5°	68.6	48.8	7.2	3.6	14.5	10.8	1.8	0.0	0.0	0.0	0.0
100°	48.8	30.7	5.4	3.6	9.0	10.8	1.8	0.0	0.0	0.0	0.0
102.5°	27.1	16.3	3.6	1.8	3.6	3.6	0.0	0.0	0.0	0.0	0.0
105°	12.6	5.4	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
115°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.8	1.8	1.8	1.8	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

(END OF REPORT)