

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: P691220

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691220
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-C015-5TLD-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: 3872.9 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 32.7
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

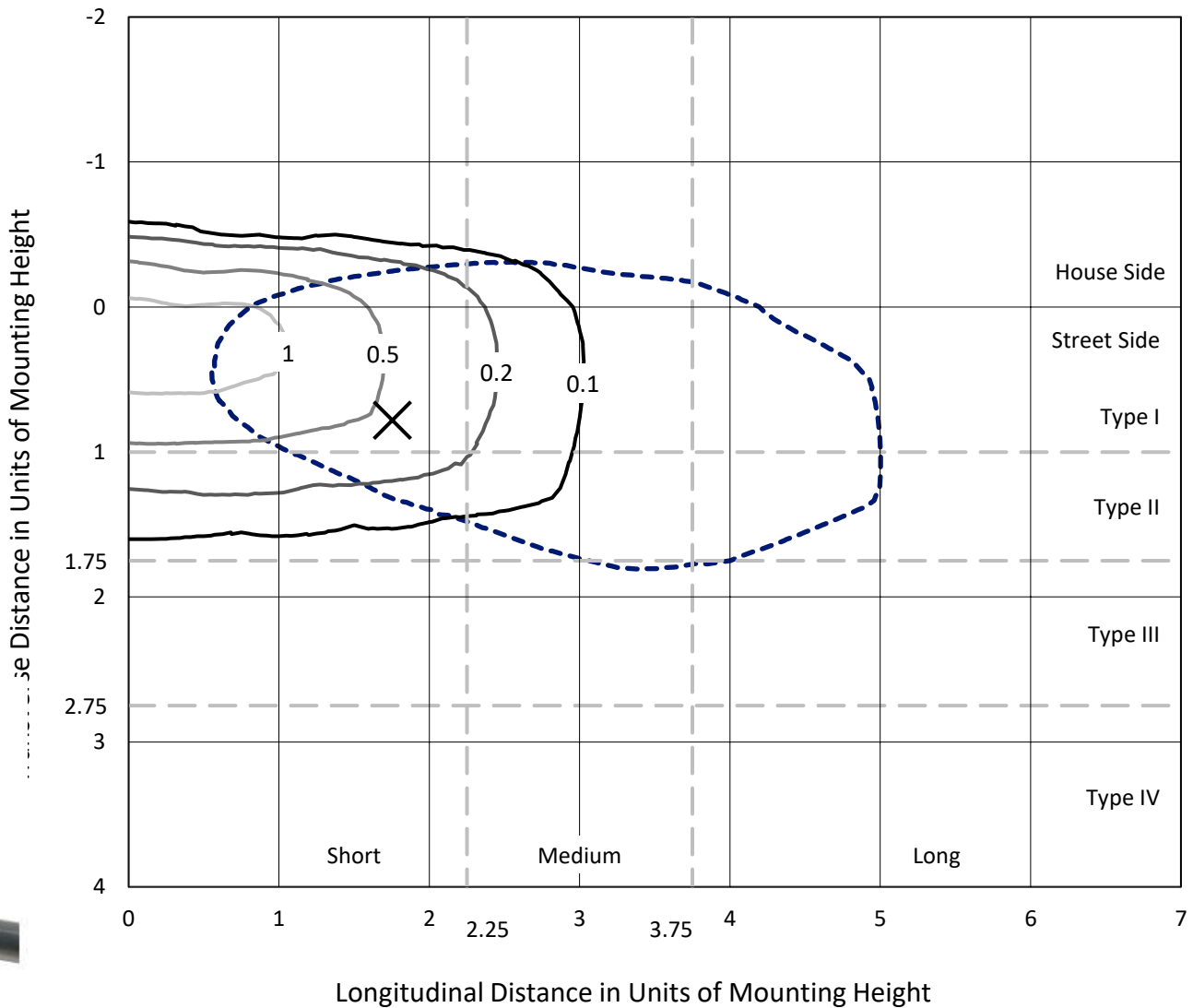


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

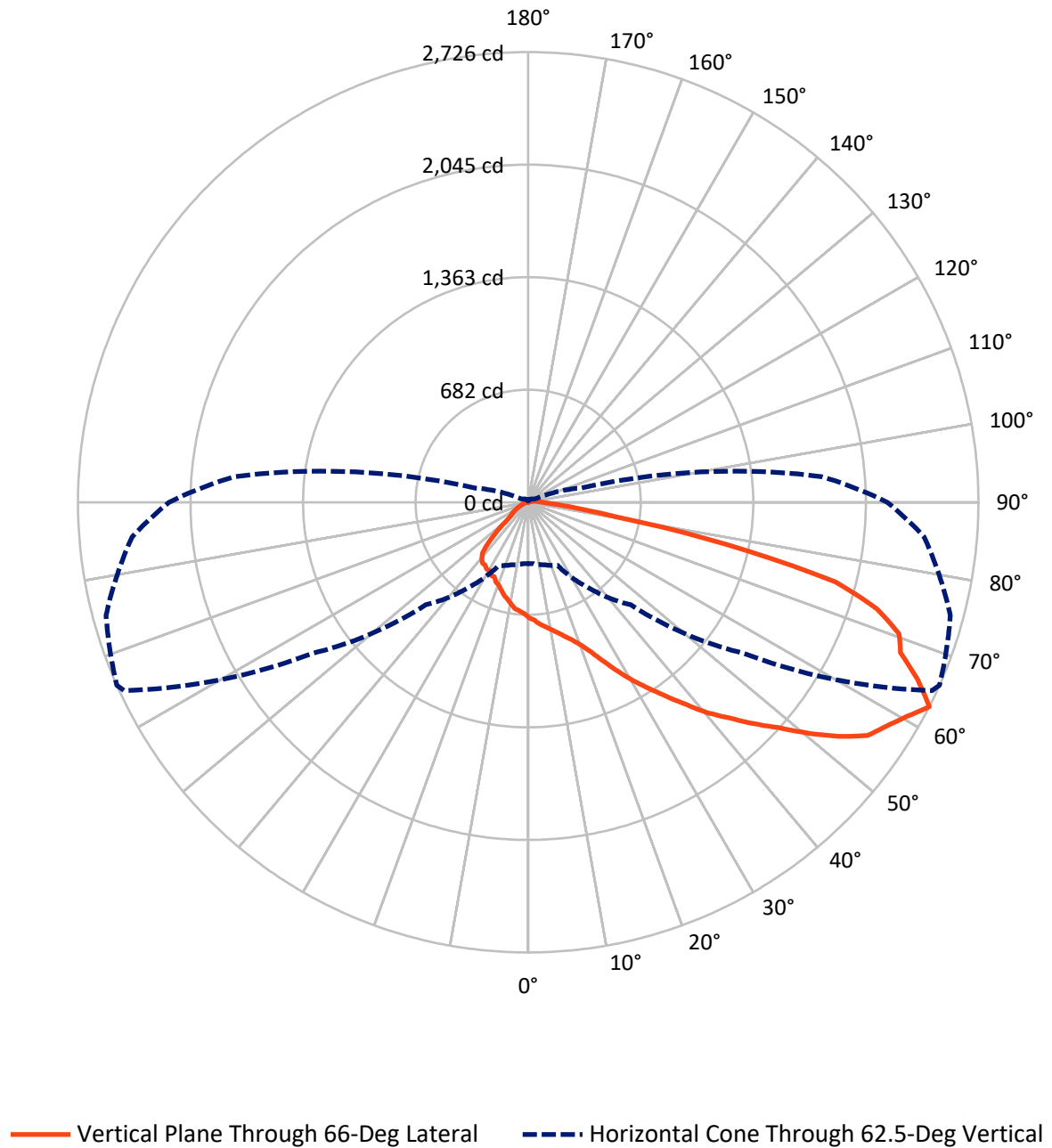


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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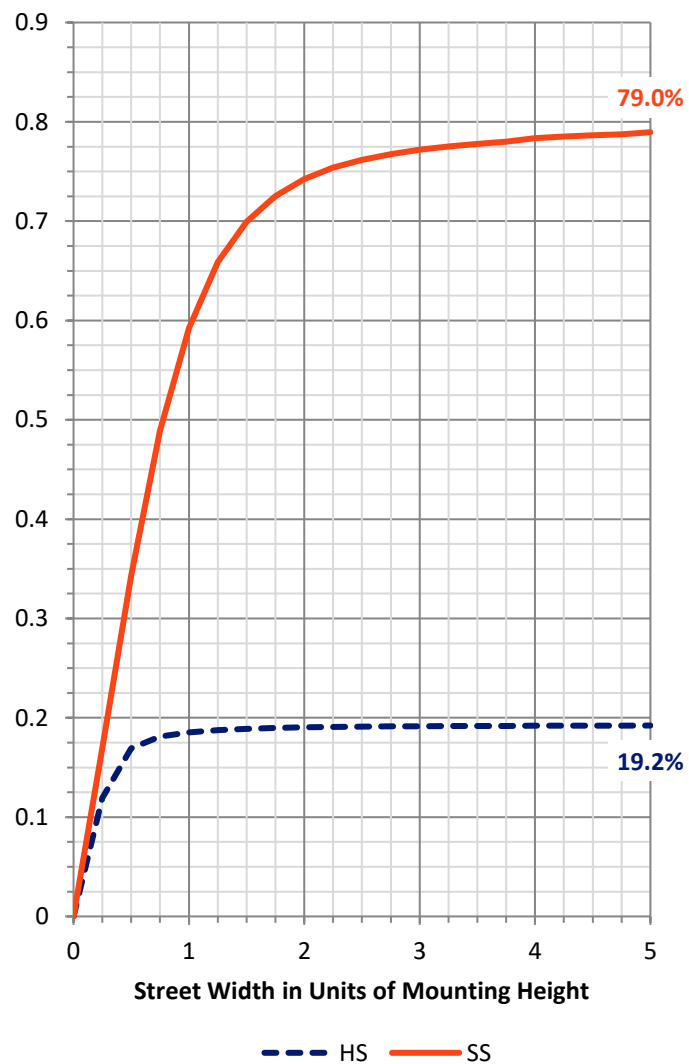
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	755.1	10.6	765.7
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3077.7	29.5	3107.2
	% Fixture	79.5	0.8	80.2
Total	Lumens	3832.8	40.1	3872.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	1.7
10°-20°	194.9	5.0
20°-30°	327.9	8.5
30°-40°	487.6	12.6
40°-50°	645.2	16.7
50°-60°	751.2	19.4
60°-70°	749.9	19.4
70°-80°	503.3	13.0
80°-90°	106.3	2.7
90°-100°	32.4	0.8
100°-110°	5.6	0.1
110°-120°	0.4	0.0
120°-130°	0.5	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3832.8	99.0
0°-180°	3872.9	100.0

Coefficient of Utilization



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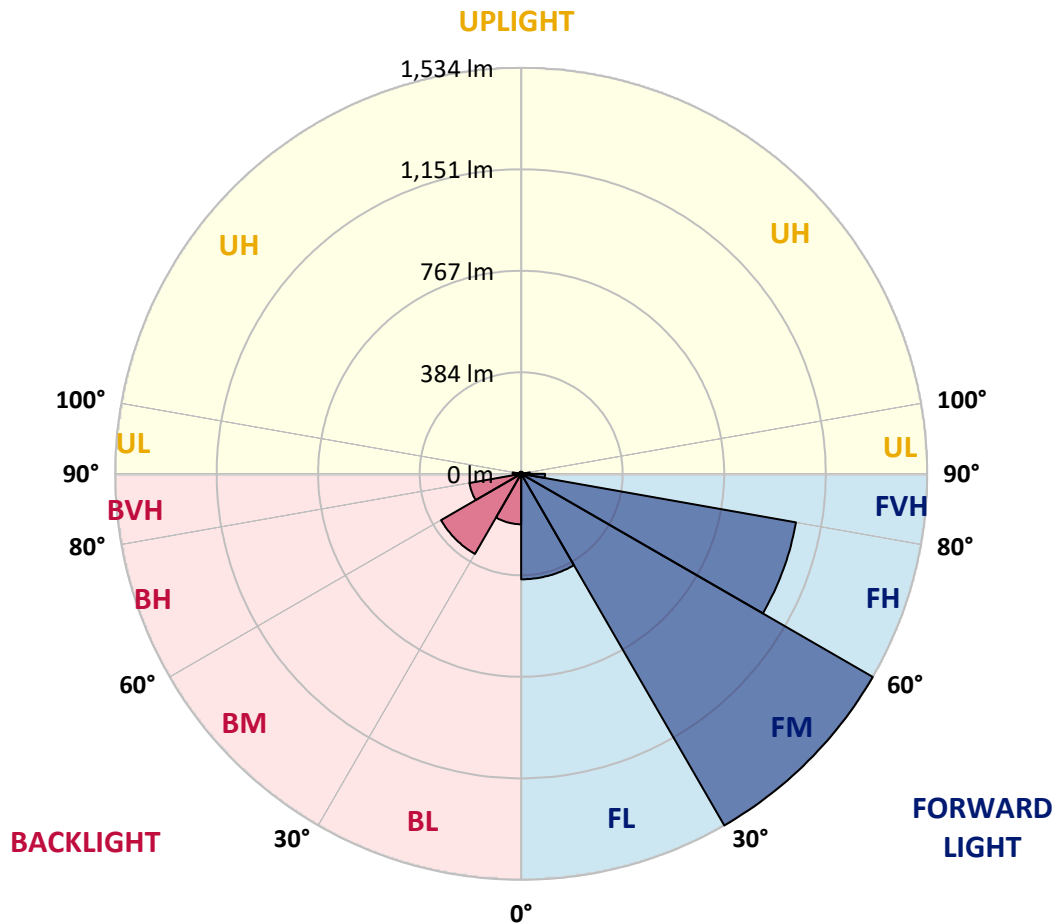
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	398.7	10.3			
FM	(30°-60°)	1534.4	39.6			
FH	(60°-80°)	1054.6	27.2			G1/1800
FVH	(80°-90°)	90.0	2.3			G1/100
BL	(0°-30°)	190.5	4.9	B1/500		
BM	(30°-60°)	349.7	9.0	B1/1000		
BH	(60°-80°)	198.6	5.1	B1/500		G1/500
BVH	(80°-90°)	16.4	0.4			G1/100
UL	(90°-100°)	32.4	0.8		U2/50	
UH	(100°-180°)	7.7	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7
2.5°	747.0	742.7	744.1	736.9	729.8	725.5	721.2	714.0	714.0	708.3	701.2
5°	799.9	801.3	799.9	791.3	782.7	769.8	754.1	741.2	741.2	728.4	711.2
7.5°	835.7	834.2	834.2	824.2	818.5	811.3	792.7	764.1	762.7	745.5	724.1
10°	850.0	851.4	857.1	842.8	837.1	827.1	817.1	788.5	785.6	757.0	722.6
12.5°	881.5	882.9	880.0	868.6	861.4	854.3	838.5	814.2	811.3	779.9	732.6
15°	918.7	918.7	914.4	902.9	898.6	888.6	870.0	847.1	844.3	808.5	751.2
17.5°	938.7	941.6	941.6	925.8	927.3	923.0	912.9	882.9	878.6	845.7	777.0
20°	948.7	950.1	953.0	953.0	951.6	950.1	955.9	928.7	925.8	887.2	807.1
22.5°	977.3	980.2	987.4	983.1	987.4	993.1	994.5	993.1	988.8	947.3	857.1
25°	990.2	998.8	1008.8	1021.7	1034.6	1043.2	1063.2	1073.2	1070.3	1030.3	935.8
27.5°	975.9	984.5	1020.3	1044.6	1084.7	1109.0	1146.2	1161.9	1160.5	1127.6	1017.4
30°	1000.2	1003.1	1018.8	1053.2	1104.7	1171.9	1223.5	1247.8	1253.5	1223.5	1103.3
32.5°	964.5	974.5	1018.8	1083.2	1160.5	1232.0	1282.1	1336.5	1343.7	1330.8	1216.3
35°	961.6	968.8	993.1	1063.2	1161.9	1295.0	1363.7	1438.1	1443.8	1448.1	1330.8
37.5°	921.5	931.5	980.2	1068.9	1204.9	1336.5	1432.4	1539.7	1554.0	1571.2	1426.7
40°	877.2	884.3	925.8	1020.3	1194.8	1385.2	1498.2	1662.8	1677.1	1698.5	1554.0
42.5°	811.3	827.1	897.2	998.8	1189.1	1399.5	1564.0	1771.5	1784.4	1814.4	1661.3
45°	752.7	759.8	814.2	925.8	1143.3	1425.2	1619.8	1898.9	1911.7	1926.1	1745.8
47.5°	706.9	715.5	767.0	867.2	1097.5	1419.5	1671.3	2024.8	2039.1	2072.0	1850.2
50°	560.9	582.4	712.6	809.9	1021.7	1408.1	1715.7	2165.0	2197.9	2210.8	1959.0
52.5°	482.2	489.4	556.6	758.4	947.3	1366.6	1754.3	2318.1	2355.3	2331.0	2104.9
55°	449.3	453.6	486.5	656.8	880.0	1282.1	1785.8	2465.5	2492.7	2415.4	2212.2
57.5°	425.0	432.1	446.5	532.3	801.3	1140.5	1787.3	2547.1	2557.1	2485.6	2263.8
60°	393.5	396.4	426.4	463.6	712.6	993.1	1738.6	2588.6	2632.9	2567.1	2368.2
62.5°	370.6	373.5	392.1	422.1	628.2	877.2	1595.5	2698.8	2726.0	2645.8	2406.9
65°	342.0	346.3	362.0	392.1	569.5	807.1	1524.0	2670.1	2591.4	2627.2	2451.2
67.5°	311.9	314.8	332.0	354.9	485.1	739.8	1346.5	2488.4	2431.2	2534.2	2332.4
70°	280.5	283.3	299.1	314.8	399.2	656.8	1121.9	2333.9	2382.5	2388.2	2220.8
72.5°	247.6	250.4	264.7	277.6	330.5	552.3	891.5	2179.3	2209.4	2122.1	1961.8
75°	214.6	216.1	227.5	240.4	274.7	445.0	638.2	1807.3	1921.8	2027.7	1692.8
77.5°	173.1	176.0	187.5	191.7	220.4	359.2	413.5	1074.6	1224.9	1774.4	1519.7
80°	127.4	128.8	140.2	138.8	164.6	261.9	260.4	510.8	549.5	1096.1	1116.1
82.5°	84.4	87.3	97.3	94.4	111.6	158.8	163.1	274.7	293.3	425.0	489.4
85°	67.3	68.7	74.4	68.7	74.4	80.1	90.1	166.0	168.9	251.8	250.4
87.5°	54.4	55.8	61.5	57.2	58.7	61.5	71.5	105.9	108.8	158.8	164.6
90°	42.9	44.4	51.5	47.2	47.2	51.5	60.1	78.7	83.0	124.5	134.5
92.5°	28.6	28.6	32.9	31.5	31.5	37.2	52.9	58.7	63.0	115.9	121.6
95°	21.5	21.5	22.9	22.9	22.9	27.2	40.1	55.8	61.5	113.0	110.2
97.5°	14.3	14.3	15.7	15.7	15.7	17.2	22.9	45.8	51.5	91.6	90.1
100°	10.0	10.0	10.0	8.6	8.6	8.6	12.9	30.0	34.3	58.7	58.7
102.5°	7.2	5.7	5.7	5.7	4.3	4.3	5.7	14.3	15.7	31.5	30.0
105°	1.4	1.4	2.9	2.9	2.9	1.4	1.4	5.7	5.7	12.9	12.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4
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°	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7	699.7
2.5°	696.9	692.6	682.6	674.0	666.8	659.7	648.2	643.9	641.1	645.4	645.4
5°	701.2	689.7	672.5	658.2	645.4	629.6	612.4	602.4	593.8	598.1	598.1
7.5°	708.3	692.6	671.1	646.8	613.9	586.7	565.2	552.3	545.2	549.5	552.3
10°	704.0	686.9	658.2	621.0	582.4	553.8	526.6	506.6	499.4	496.5	499.4
12.5°	708.3	688.3	639.6	595.3	558.1	512.3	479.4	457.9	449.3	449.3	449.3
15°	722.6	692.6	628.2	576.7	519.4	475.1	440.7	417.8	415.0	405.0	405.0
17.5°	742.7	696.9	623.9	548.1	485.1	439.3	399.2	376.3	369.2	370.6	370.6
20°	762.7	705.5	615.3	523.7	453.6	399.2	357.7	336.3	319.1	313.4	316.2
22.5°	797.0	729.8	608.2	510.8	417.8	366.3	320.5	284.8	256.1	247.6	243.3
25°	847.1	768.4	618.2	480.8	396.4	329.1	274.7	224.7	190.3	181.7	180.3
27.5°	938.7	828.5	629.6	480.8	362.0	296.2	218.9	166.0	138.8	130.2	133.1
30°	1024.6	910.1	662.5	455.0	347.7	237.5	163.1	124.5	100.2	90.1	93.0
32.5°	1096.1	987.4	708.3	449.3	306.2	176.0	118.8	87.3	70.1	64.4	65.8
35°	1199.1	1053.2	744.1	429.3	251.8	128.8	83.0	61.5	54.4	51.5	51.5
37.5°	1297.9	1133.3	779.9	425.0	186.0	94.4	55.8	50.1	48.7	44.4	44.4
40°	1392.3	1214.9	795.6	400.7	131.6	61.5	47.2	45.8	44.4	40.1	40.1
42.5°	1508.2	1293.6	809.9	369.2	91.6	45.8	41.5	42.9	41.5	37.2	35.8
45°	1596.9	1346.5	814.2	289.1	58.7	42.9	38.6	40.1	38.6	34.3	34.3
47.5°	1671.3	1418.1	797.0	197.5	48.7	40.1	35.8	37.2	35.8	32.9	31.5
50°	1747.2	1483.9	781.3	105.9	45.8	38.6	34.3	31.5	32.9	30.0	28.6
52.5°	1850.2	1532.5	739.8	64.4	42.9	35.8	31.5	28.6	28.6	25.8	27.2
55°	1991.9	1652.7	662.5	60.1	41.5	34.3	30.0	25.8	25.8	22.9	22.9
57.5°	2054.8	1700.0	538.0	54.4	40.1	34.3	27.2	22.9	20.0	18.6	17.2
60°	2132.1	1770.1	423.6	50.1	37.2	32.9	24.3	20.0	15.7	14.3	14.3
62.5°	2175.0	1784.4	330.5	45.8	35.8	28.6	21.5	15.7	12.9	10.0	10.0
65°	2196.5	1774.4	220.4	41.5	32.9	27.2	18.6	12.9	8.6	7.2	7.2
67.5°	2114.9	1721.4	127.4	38.6	31.5	24.3	15.7	10.0	7.2	5.7	4.3
70°	1976.1	1566.9	80.1	34.3	30.0	21.5	14.3	8.6	5.7	4.3	2.9
72.5°	1813.0	1279.3	58.7	31.5	28.6	18.6	11.4	7.2	4.3	2.9	2.9
75°	1655.6	1114.7	50.1	27.2	24.3	15.7	10.0	5.7	4.3	2.9	1.4
77.5°	1184.8	759.8	44.4	24.3	21.5	12.9	7.2	5.7	2.9	1.4	1.4
80°	841.4	446.5	40.1	20.0	17.2	10.0	7.2	4.3	2.9	1.4	1.4
82.5°	403.5	231.8	38.6	17.2	12.9	8.6	5.7	4.3	2.9	1.4	1.4
85°	183.2	98.7	28.6	15.7	11.4	8.6	5.7	4.3	2.9	2.9	1.4
87.5°	111.6	51.5	22.9	12.9	8.6	7.2	4.3	2.9	2.9	2.9	2.9
90°	104.5	67.3	17.2	10.0	7.2	5.7	4.3	1.4	0.0	0.0	0.0
92.5°	100.2	77.3	12.9	7.2	4.3	4.3	1.4	0.0	0.0	0.0	0.0
95°	94.4	73.0	14.3	4.3	7.2	2.9	1.4	0.0	0.0	0.0	0.0
97.5°	74.4	57.2	15.7	4.3	35.8	2.9	1.4	0.0	0.0	0.0	0.0
100°	47.2	35.8	11.4	4.3	42.9	2.9	0.0	0.0	0.0	0.0	0.0
102.5°	27.2	20.0	5.7	4.3	12.9	1.4	0.0	0.0	0.0	0.0	0.0
105°	11.4	10.0	2.9	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
120°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	2.9	1.4	1.4	1.4	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	1.4	2.9	1.4	1.4	1.4	0.0	0.0	0.0	0.0
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
167.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
170°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
172.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.4	1.4	1.4	1.4	1.4	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)