

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: P691319

Luminaire Tested: **CRTK2-C015-D-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3875 lumens
Efficiency: N/A
Efficacy: 129.6 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): 29.9
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

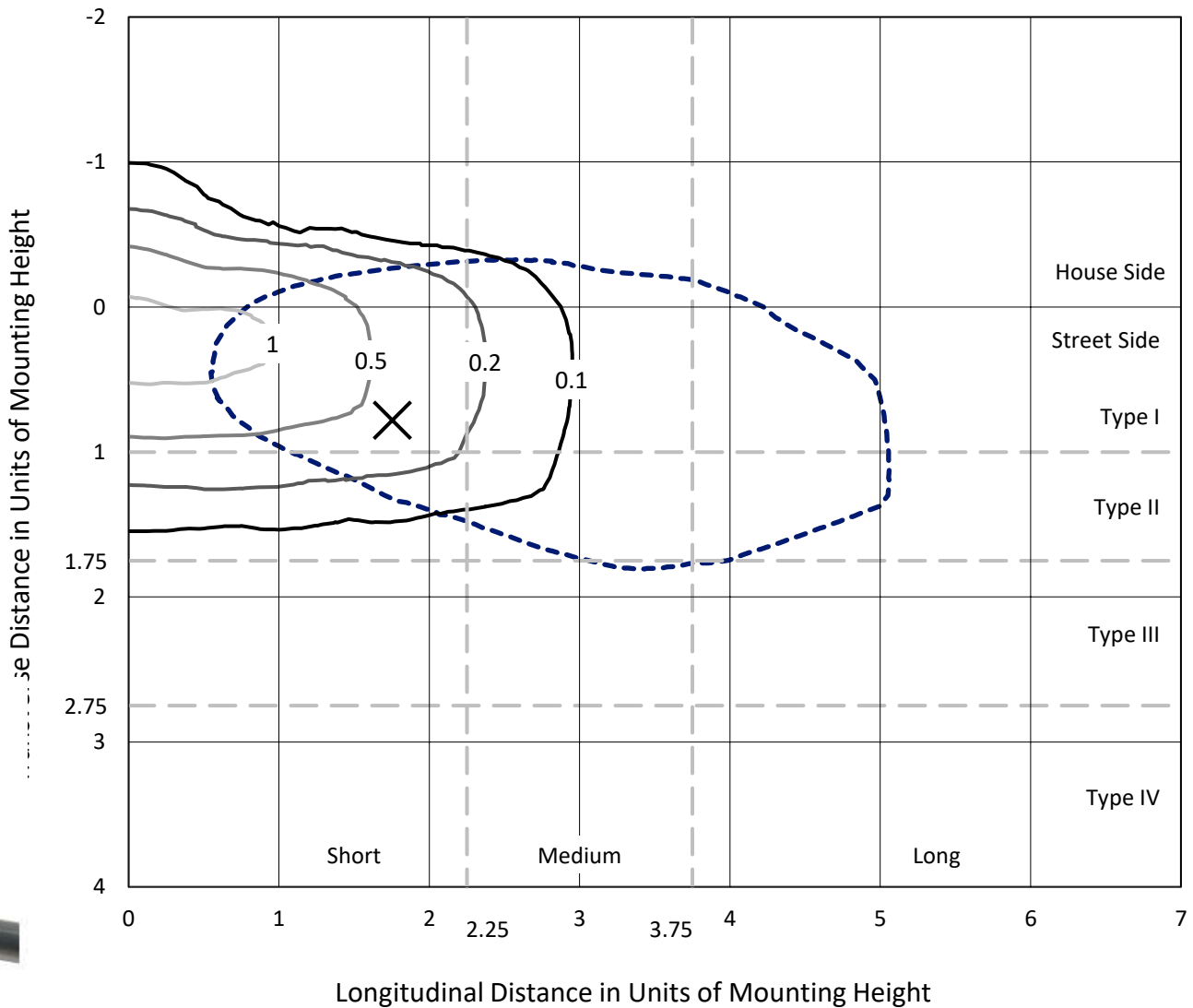


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Iso-Footcandle Lines of Horizontal Illumination

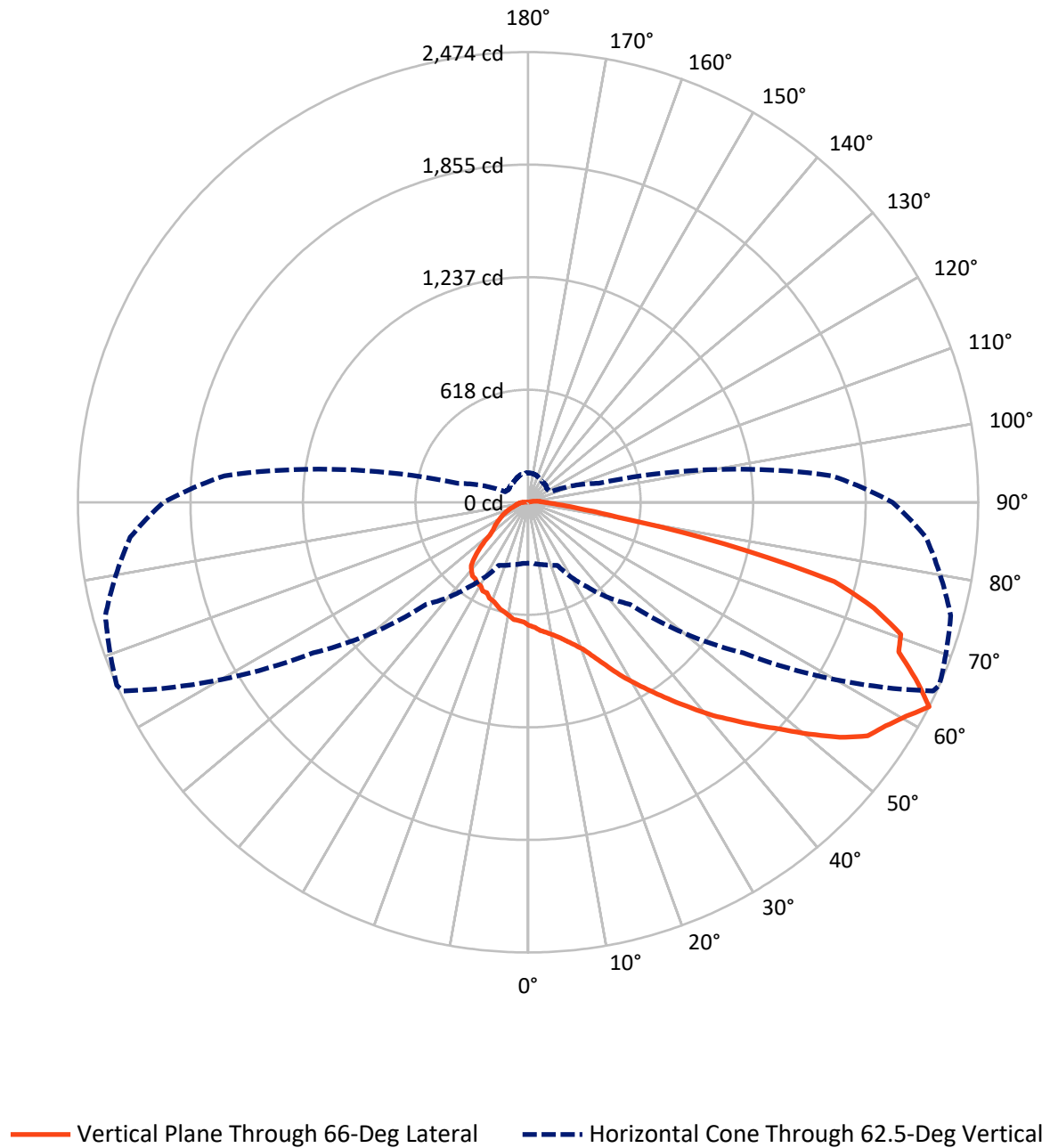
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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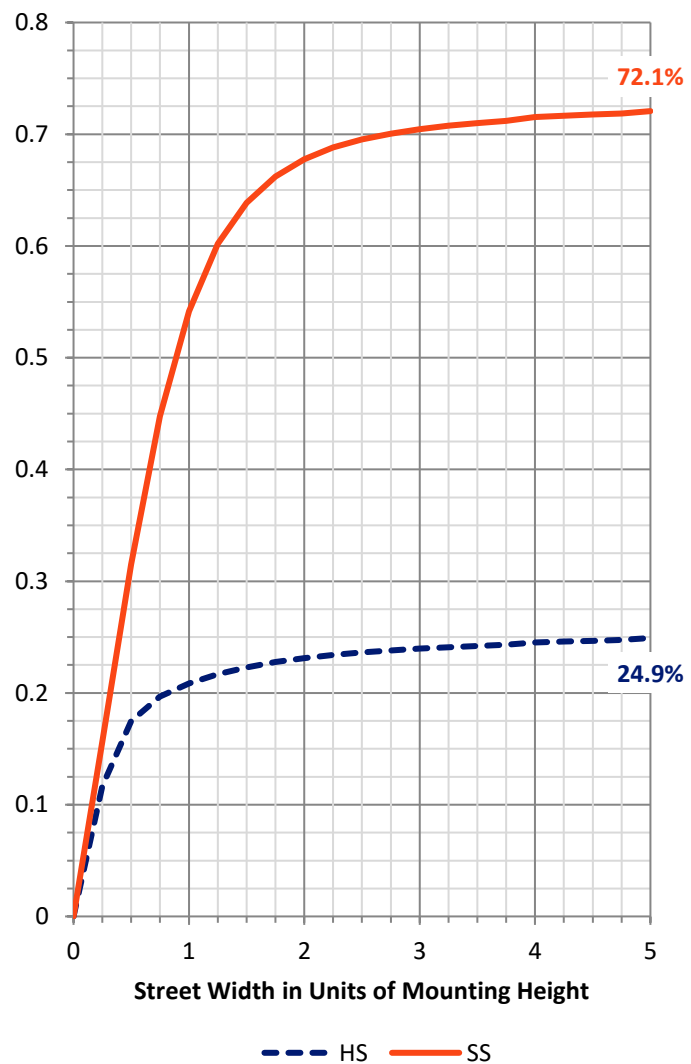
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.6	27.9	1036.5
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	2810.9	27.6	2838.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	3819.5	55.5	3875.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.7
10°-20°	194.8	5.0
20°-30°	329.7	8.5
30°-40°	482.3	12.4
40°-50°	630.5	16.3
50°-60°	733.6	18.9
60°-70°	734.0	18.9
70°-80°	506.4	13.1
80°-90°	143.1	3.7
90°-100°	47.2	1.2
100°-110°	6.5	0.2
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3819.5	98.6
0°-180°	3875.0	100.0

Coefficient of Utilization



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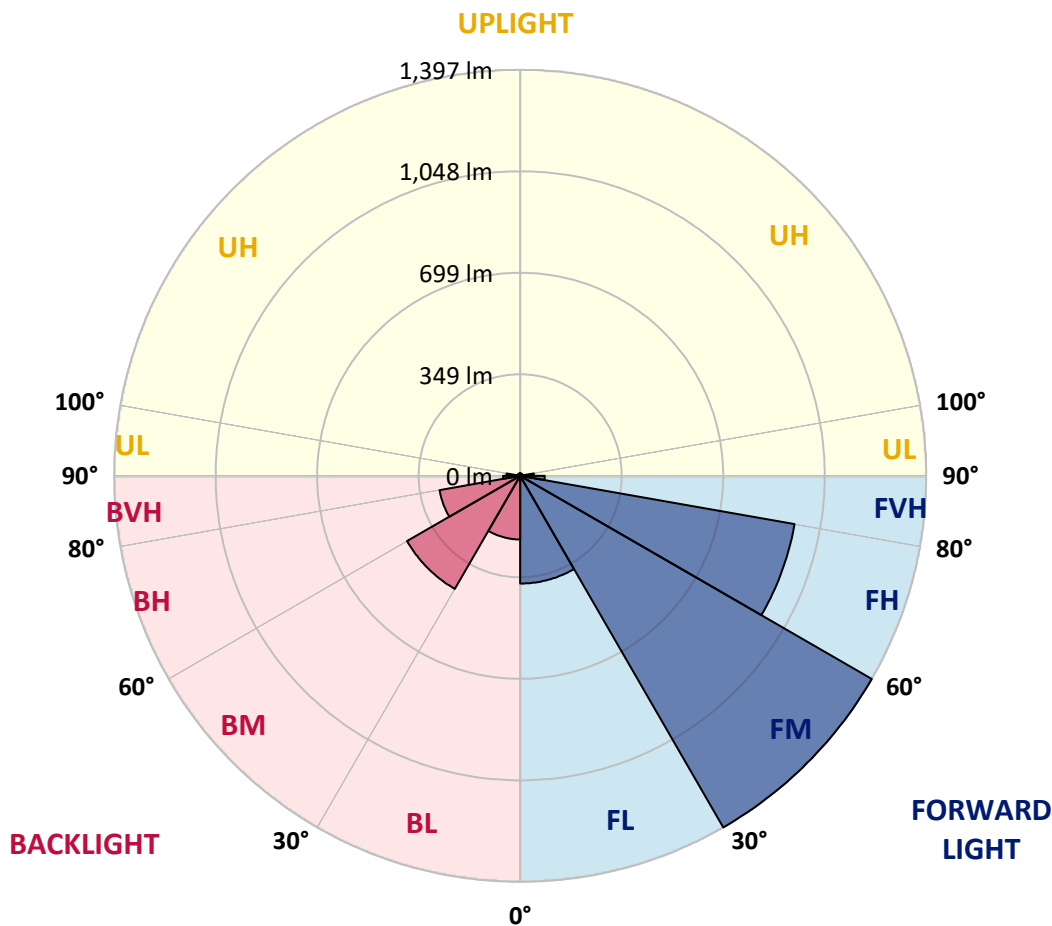
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.7	9.6			
FM	(30°-60°)	1397.0	36.1			
FH	(60°-80°)	958.7	24.7			G1/1800
FVH	(80°-90°)	84.5	2.2			G1/100
BL	(0°-30°)	218.9	5.6	B1/500		
BM	(30°-60°)	449.4	11.6	B1/1000		
BH	(60°-80°)	281.7	7.3	B1/500		G1/500
BVH	(80°-90°)	58.6	1.5			G1/100
UL	(90°-100°)	47.2	1.2		U2/50	
UH	(100°-180°)	8.3	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°	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0
2.5°	711.8	710.5	710.5	704.1	697.6	696.3	692.5	687.3	687.3	683.5	677.0
5°	754.3	753.0	754.3	745.2	736.2	728.5	715.6	709.2	707.9	698.9	686.0
7.5°	783.9	782.6	781.3	773.6	769.7	762.0	744.0	724.7	722.1	713.1	696.3
10°	795.4	796.7	803.2	790.3	782.6	776.1	765.8	742.7	740.1	719.5	693.8
12.5°	826.3	827.6	823.8	808.3	805.7	800.6	783.9	764.6	762.0	736.2	700.2
15°	858.5	858.5	853.4	844.4	837.9	832.8	812.2	791.6	790.3	759.4	716.9
17.5°	872.7	875.3	876.5	865.0	862.4	861.1	850.8	825.1	822.5	792.9	740.1
20°	881.7	883.0	884.3	883.0	884.3	883.0	888.1	867.5	861.1	830.2	765.8
22.5°	899.7	902.3	911.3	911.3	915.2	924.2	920.3	922.9	920.3	883.0	809.6
25°	908.7	912.6	924.2	938.3	955.1	965.3	979.5	989.8	991.1	957.6	876.5
27.5°	894.6	903.6	933.2	955.1	993.7	1020.7	1054.2	1070.9	1073.5	1041.3	948.6
30°	912.6	912.6	930.6	961.5	1009.1	1072.2	1123.7	1149.4	1152.0	1127.5	1020.7
32.5°	879.1	886.8	928.0	987.2	1055.4	1127.5	1177.7	1227.9	1234.4	1226.6	1123.7
35°	875.3	879.1	904.9	966.6	1058.0	1179.0	1248.5	1314.2	1327.0	1329.6	1222.8
37.5°	839.2	844.4	892.0	969.2	1094.1	1215.1	1303.9	1412.0	1423.6	1441.6	1309.0
40°	794.2	801.9	840.5	926.7	1083.8	1257.5	1363.1	1515.0	1531.7	1553.6	1422.3
42.5°	735.0	749.1	814.8	907.4	1078.6	1271.7	1419.7	1617.9	1633.4	1656.5	1517.5
45°	684.8	688.6	741.4	837.9	1037.4	1291.0	1472.5	1733.8	1744.1	1755.6	1594.8
47.5°	639.7	647.4	692.5	782.6	993.7	1287.1	1518.8	1843.2	1861.2	1895.9	1688.7
50°	505.8	523.9	651.3	735.0	926.7	1275.5	1557.4	1971.9	2001.5	2014.4	1795.6
52.5°	437.6	442.8	507.1	688.6	852.1	1236.9	1590.9	2112.2	2145.7	2116.0	1924.3
55°	404.2	409.3	438.9	594.7	794.2	1158.4	1616.6	2244.8	2265.4	2195.8	2019.5
57.5°	386.1	390.0	405.4	481.4	723.4	1033.6	1619.2	2310.4	2318.1	2258.9	2068.4
60°	355.2	359.1	386.1	419.6	644.9	901.0	1574.2	2347.7	2387.6	2336.1	2162.4
62.5°	334.7	337.2	355.2	382.3	568.9	792.9	1442.9	2454.6	2473.9	2404.4	2194.6
65°	308.9	311.5	328.2	352.7	520.0	732.4	1386.2	2410.8	2340.0	2387.6	2237.0
67.5°	279.3	283.2	298.6	319.2	438.9	673.2	1222.8	2247.3	2197.1	2302.7	2126.3
70°	252.3	254.9	271.6	283.2	360.4	595.9	1015.5	2119.9	2172.7	2171.4	2025.9
72.5°	222.7	225.2	239.4	249.7	301.2	504.6	805.7	1973.2	1988.6	1933.3	1793.0
75°	191.8	193.1	205.9	216.2	247.1	404.2	588.2	1632.1	1738.9	1848.3	1551.0
77.5°	154.5	158.3	168.6	173.8	198.2	323.1	383.6	966.6	1104.4	1625.6	1386.2
80°	115.8	115.8	123.6	126.1	146.7	240.7	242.0	465.9	500.7	1033.6	1029.7
82.5°	73.4	77.2	85.0	83.7	99.1	137.7	153.2	258.7	278.0	409.3	456.9
85°	59.2	60.5	65.6	61.8	65.6	74.7	86.2	163.5	169.9	249.7	248.4
87.5°	48.9	50.2	54.1	51.5	52.8	56.6	66.9	109.4	112.0	160.9	166.0
90°	37.3	38.6	43.8	42.5	41.2	46.3	55.3	83.7	87.5	127.4	136.4
92.5°	24.5	24.5	28.3	28.3	28.3	33.5	48.9	64.4	66.9	115.8	122.3
95°	18.0	18.0	19.3	20.6	19.3	24.5	36.0	57.9	63.1	108.1	105.5
97.5°	11.6	11.6	12.9	14.2	12.9	15.4	20.6	41.2	46.3	83.7	82.4
100°	7.7	7.7	7.7	7.7	7.7	7.7	11.6	27.0	30.9	52.8	51.5
102.5°	5.1	5.1	5.1	5.1	3.9	3.9	5.1	12.9	14.2	28.3	27.0
105°	1.3	1.3	2.6	2.6	2.6	1.3	1.3	5.1	6.4	11.6	11.6
107.5°	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.3	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°	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0
2.5°	674.5	670.6	664.2	657.7	653.9	650.0	643.6	638.4	638.4	644.9	644.9
5°	677.0	669.3	656.4	651.3	644.9	635.8	625.5	617.8	614.0	619.1	620.4
7.5°	683.5	671.9	659.0	647.4	625.5	608.8	599.8	589.5	588.2	593.4	595.9
10°	678.3	666.7	651.3	629.4	606.2	593.4	576.6	563.8	563.8	559.9	562.5
12.5°	683.5	668.0	637.1	614.0	593.4	565.1	544.5	531.6	530.3	534.2	534.2
15°	696.3	673.2	633.3	605.0	571.5	543.2	522.6	508.4	512.3	504.6	505.8
17.5°	711.8	677.0	633.3	584.4	547.0	520.0	491.7	475.0	476.2	477.5	478.8
20°	731.1	687.3	626.8	568.9	523.9	485.2	453.1	440.2	436.3	438.9	440.2
22.5°	760.7	710.5	624.3	561.2	491.7	454.4	426.0	400.3	397.7	397.7	397.7
25°	809.6	745.2	635.8	535.4	475.0	418.3	386.1	361.7	350.1	351.4	352.7
27.5°	884.3	800.6	647.4	536.7	436.3	386.1	346.2	319.2	312.8	314.1	315.3
30°	962.8	875.3	677.0	511.0	414.5	337.2	296.0	276.7	269.0	265.1	266.4
32.5°	1023.3	940.9	718.2	503.3	374.6	284.5	258.7	243.3	233.0	229.1	229.1
35°	1119.8	1005.3	751.7	484.0	333.4	251.0	230.4	213.7	208.5	205.9	205.9
37.5°	1202.2	1076.0	786.4	476.2	283.2	225.2	199.5	189.2	189.2	186.6	185.3
40°	1291.0	1150.7	805.7	453.1	244.6	198.2	172.5	171.2	175.1	175.1	175.1
42.5°	1397.8	1227.9	826.3	426.0	215.0	167.3	153.2	163.5	172.5	175.1	175.1
45°	1477.6	1276.8	835.3	368.1	185.3	145.4	150.6	160.9	172.5	176.3	175.1
47.5°	1545.8	1347.6	822.5	297.3	159.6	141.6	148.0	157.0	171.2	176.3	176.3
50°	1614.1	1408.1	813.5	215.0	149.3	141.6	148.0	151.9	167.3	173.8	173.8
52.5°	1714.5	1455.7	777.4	180.2	141.6	142.9	150.6	150.6	164.8	172.5	176.3
55°	1843.2	1565.2	709.2	168.6	139.0	141.6	151.9	151.9	162.2	169.9	172.5
57.5°	1895.9	1603.8	592.1	158.3	136.4	141.6	148.0	150.6	163.5	168.6	167.3
60°	1965.5	1666.8	485.2	148.0	131.3	139.0	142.9	151.9	162.2	163.5	162.2
62.5°	2002.8	1674.6	401.6	137.7	127.4	135.1	136.4	146.7	157.0	160.9	162.2
65°	2023.4	1666.8	297.3	127.4	123.6	130.0	131.3	140.3	150.6	153.2	154.5
67.5°	1948.7	1614.1	205.9	117.1	119.7	123.6	126.1	135.1	142.9	150.6	153.2
70°	1814.9	1460.9	146.7	104.3	113.3	117.1	122.3	131.3	139.0	149.3	151.9
72.5°	1666.8	1176.4	108.1	88.8	104.3	109.4	118.4	124.9	136.4	149.3	153.2
75°	1527.8	1032.3	86.2	75.9	88.8	100.4	112.0	121.0	137.7	182.8	189.2
77.5°	1083.8	697.6	77.2	66.9	75.9	87.5	103.0	118.4	191.8	217.5	218.8
80°	786.4	410.6	69.5	59.2	65.6	70.8	94.0	145.4	212.4	200.8	200.8
82.5°	393.9	220.1	65.6	52.8	56.6	57.9	83.7	185.3	171.2	178.9	180.2
85°	190.5	106.8	54.1	46.3	48.9	47.6	78.5	176.3	162.2	163.5	160.9
87.5°	119.7	65.6	42.5	38.6	39.9	38.6	74.7	168.6	169.9	139.0	141.6
90°	108.1	77.2	33.5	30.9	27.0	32.2	66.9	157.0	166.0	100.4	83.7
92.5°	104.3	83.7	24.5	21.9	19.3	25.7	50.2	127.4	101.7	42.5	25.7
95°	92.7	73.4	20.6	15.4	18.0	21.9	32.2	85.0	68.2	0.0	0.0
97.5°	69.5	54.1	16.7	10.3	57.9	19.3	18.0	55.3	19.3	0.0	0.0
100°	43.8	33.5	12.9	7.7	65.6	12.9	11.6	32.2	0.0	0.0	0.0
102.5°	24.5	18.0	6.4	5.1	28.3	6.4	7.7	7.7	0.0	0.0	0.0
105°	10.3	9.0	2.6	2.6	2.6	1.3	3.9	0.0	0.0	0.0	0.0
107.5°	2.6	3.9	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
110°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-D-U-T2-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
115°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
117.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
120°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
122.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
125°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
127.5°	1.3	1.3	1.3	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0
130°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
132.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
135°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
155°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
165°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
167.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.3	1.3	1.3	1.3	1.3	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)