

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: P691315

Luminaire Tested: **CRTK2-C015-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
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-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3242 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - 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

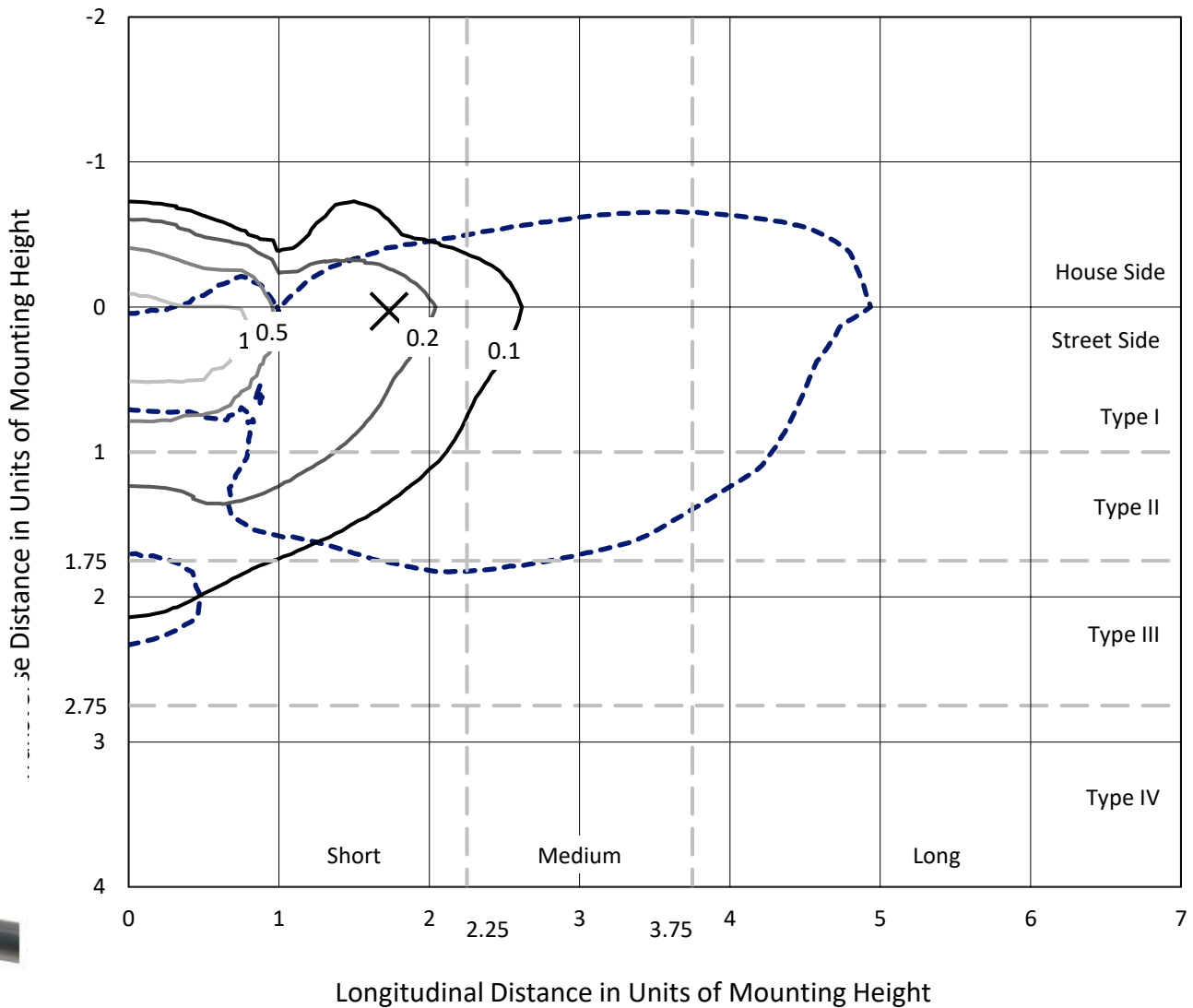


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

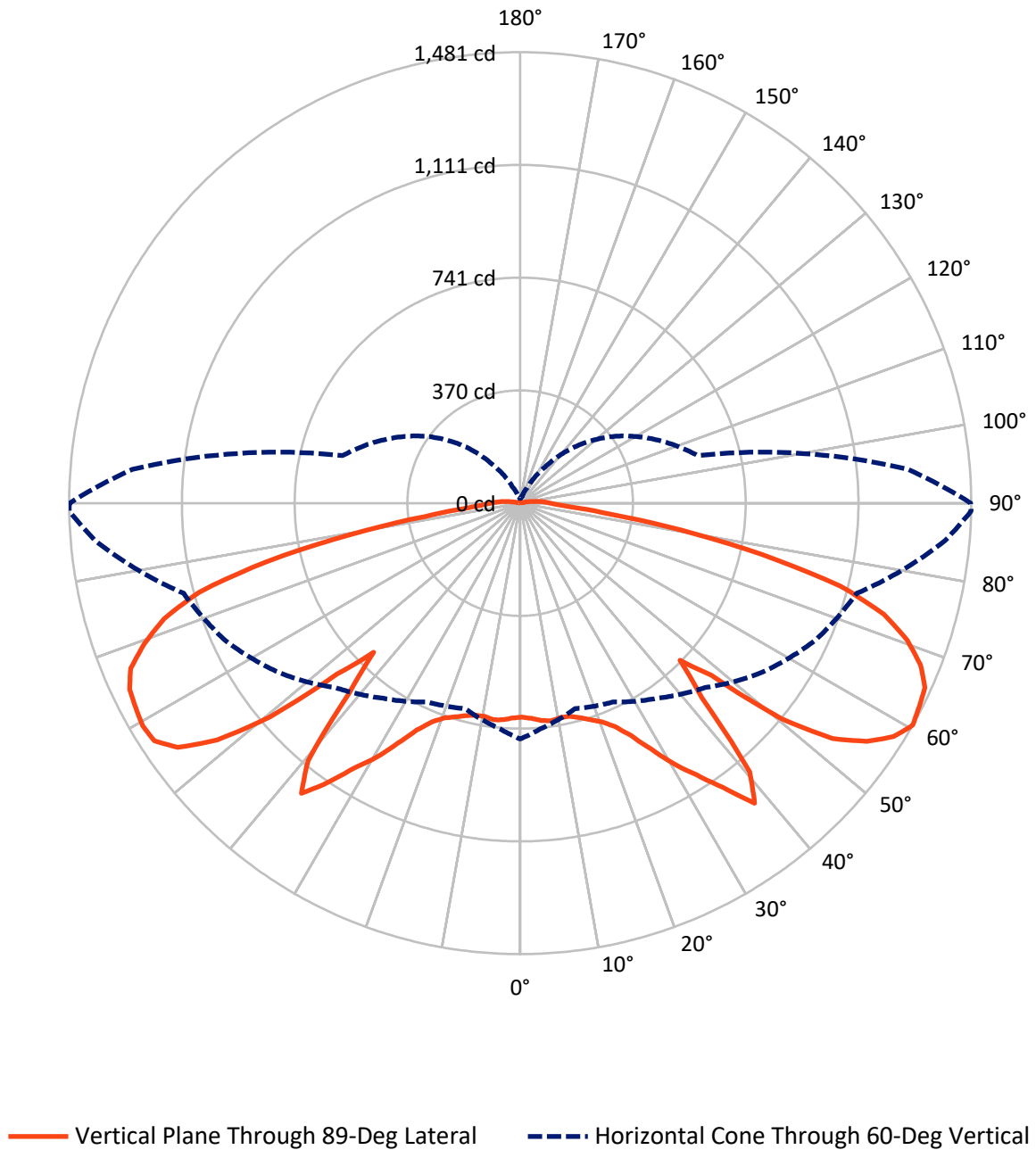


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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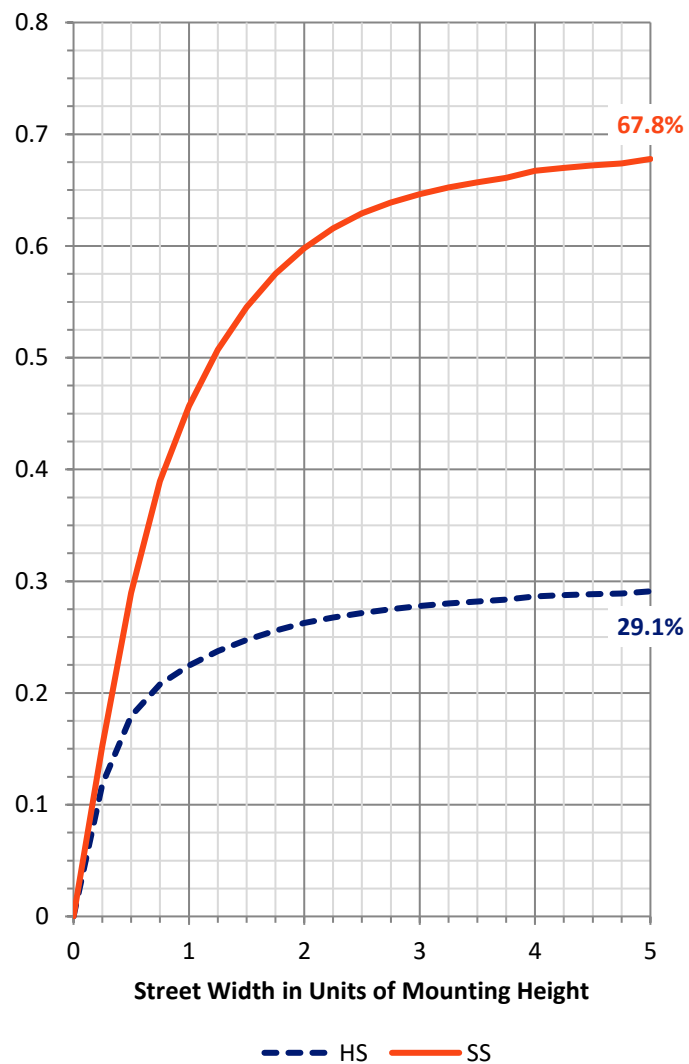
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	962.4	18.1	980.5
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	2226.7	34.8	2261.5
	% Fixture	68.7	1.1	69.8
Total	Lumens	3189.1	52.9	3242.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	2.1
10°-20°	199.4	6.2
20°-30°	329.1	10.2
30°-40°	446.5	13.8
40°-50°	371.9	11.5
50°-60°	515.0	15.9
60°-70°	634.8	19.6
70°-80°	480.6	14.8
80°-90°	144.2	4.4
90°-100°	37.4	1.2
100°-110°	8.5	0.3
110°-120°	4.0	0.1
120°-130°	2.7	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3189.1	98.4
0°-180°	3242.0	100.0

Coefficient of Utilization



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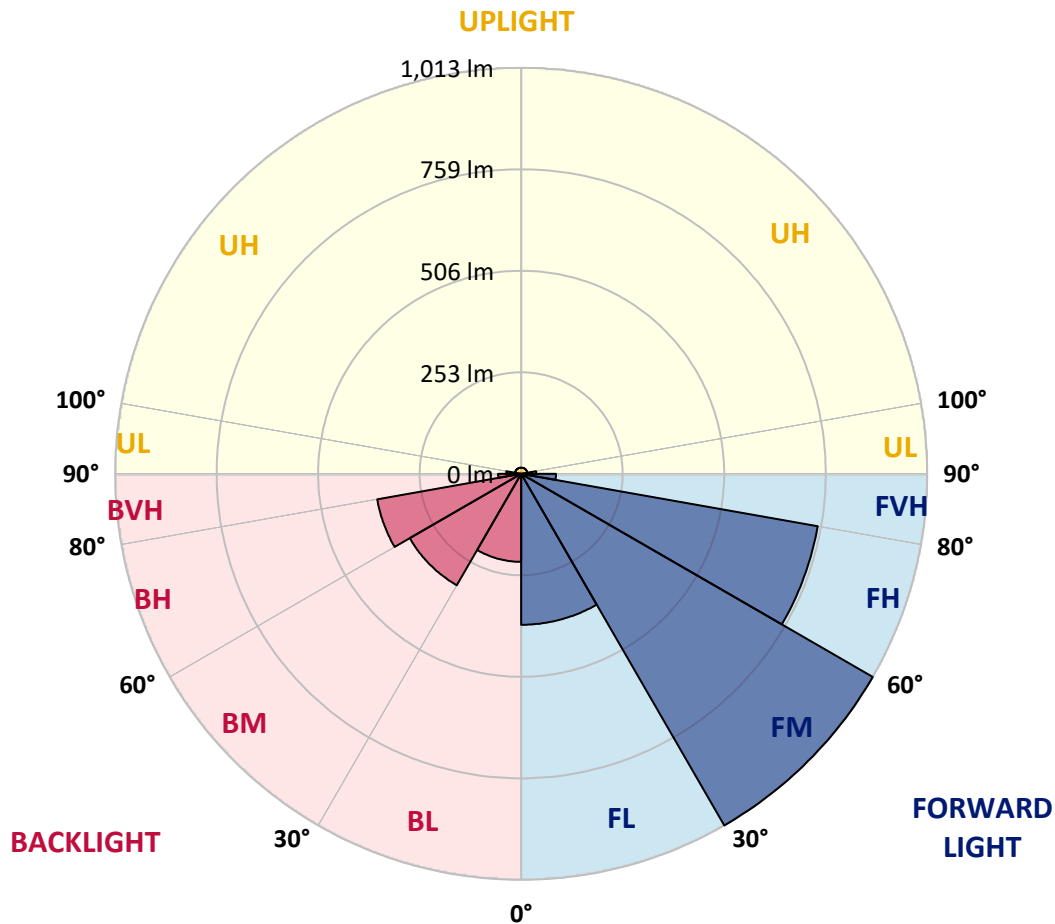
CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	376.6	11.6			
FM	(30°-60°)	1012.5	31.2			
FH	(60°-80°)	750.9	23.2			G1/1800
FVH	(80°-90°)	86.7	2.7			G1/100
BL	(0°-30°)	219.5	6.8	B1/500		
BM	(30°-60°)	320.9	9.9	B1/1000		
BH	(60°-80°)	364.5	11.2	B1/500		G1/500
BVH	(80°-90°)	57.5	1.8			G1/100
UL	(90°-100°)	37.4	1.2		U2/50	
UH	(100°-180°)	15.5	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7
2.5°	737.4	733.6	733.6	733.6	725.8	725.8	720.7	718.1	713.0	709.1	707.8
5°	779.9	777.3	777.3	776.0	768.3	763.2	752.9	743.9	736.1	723.3	716.8
7.5°	813.3	809.5	809.5	808.2	800.5	794.0	782.5	761.9	746.4	732.3	722.0
10°	824.9	823.6	822.4	818.5	812.1	806.9	796.6	777.3	752.9	729.7	716.8
12.5°	846.8	846.8	842.9	837.8	832.7	827.5	813.3	797.9	770.9	734.8	718.1
15°	875.1	872.5	870.0	867.4	863.5	855.8	842.9	823.6	792.8	749.0	731.0
17.5°	886.7	885.4	885.4	886.7	885.4	880.3	877.7	855.8	823.6	768.3	747.7
20°	889.3	890.6	893.1	902.1	904.7	902.1	906.0	893.1	855.8	794.0	767.0
22.5°	904.7	907.3	912.4	921.4	925.3	929.2	933.0	943.3	906.0	833.9	796.6
25°	898.3	900.9	916.3	930.5	944.6	956.2	980.6	1003.8	976.8	893.1	845.5
27.5°	881.6	886.7	913.7	942.0	976.8	1007.7	1052.7	1081.0	1059.2	967.8	913.7
30°	895.7	895.7	913.7	954.9	1000.0	1069.4	1128.6	1160.8	1145.4	1039.8	993.5
32.5°	866.1	873.8	911.2	972.9	1042.4	1131.2	1189.1	1245.8	1250.9	1136.4	1064.3
35°	774.7	787.6	818.5	900.9	1007.7	1162.1	1263.8	1339.7	1364.2	1252.2	1146.7
37.5°	638.3	647.3	701.4	783.7	911.2	1059.2	1222.6	1395.0	1463.3	1326.8	1250.9
40°	565.0	571.4	603.6	671.8	788.9	931.7	1060.4	1226.5	1263.8	1211.0	1160.8
42.5°	540.5	550.8	590.7	653.8	749.0	849.4	870.0	931.7	912.4	918.9	875.1
45°	574.0	577.8	607.4	662.8	720.7	747.7	720.7	763.2	783.7	779.9	736.1
47.5°	590.7	597.1	629.3	700.1	700.1	701.4	734.8	760.6	819.8	875.1	844.2
50°	507.1	516.1	575.3	631.9	640.9	747.7	835.2	885.4	947.2	1095.2	1113.2
52.5°	477.5	483.9	548.2	661.5	727.1	836.5	890.6	936.9	989.7	1234.2	1284.4
55°	522.5	534.1	610.0	727.1	799.2	864.8	934.3	1001.2	1057.9	1343.6	1380.9
57.5°	603.6	625.5	671.8	737.4	805.6	864.8	957.5	1039.8	1114.5	1386.0	1446.5
60°	774.7	745.1	698.8	720.7	782.5	857.1	969.1	1068.2	1144.1	1401.5	1481.3
62.5°	854.5	832.7	719.4	689.8	743.9	830.1	947.2	1068.2	1133.8	1371.9	1471.0
65°	826.2	808.2	727.1	653.8	696.2	792.8	913.7	1052.7	1110.6	1334.6	1460.7
67.5°	704.0	685.9	660.2	633.2	651.2	755.4	882.8	1024.4	1084.9	1303.7	1418.2
70°	572.7	562.4	553.4	574.0	607.4	698.8	821.1	961.3	1033.4	1229.0	1348.7
72.5°	487.8	481.3	465.9	486.5	539.2	622.9	728.4	868.7	954.9	1102.9	1249.6
75°	414.4	410.5	405.4	415.7	449.1	527.6	611.3	749.0	853.2	962.6	1086.2
77.5°	335.9	330.7	342.3	344.9	370.6	427.3	481.3	595.9	711.7	755.4	810.8
80°	244.5	249.7	269.0	261.2	280.6	299.9	338.5	388.7	480.0	528.9	532.8
82.5°	171.2	176.3	194.3	175.0	180.2	181.5	195.6	213.6	251.0	292.1	297.3
85°	121.0	123.5	127.4	113.3	113.3	113.3	122.3	132.6	151.9	168.6	172.5
87.5°	86.2	86.2	91.4	86.2	84.9	83.7	88.8	92.7	104.2	115.8	118.4
90°	64.3	64.3	66.9	64.3	64.3	64.3	69.5	73.4	83.7	93.9	95.2
92.5°	46.3	46.3	50.2	48.9	48.9	50.2	55.3	57.9	66.9	77.2	78.5
95°	36.0	36.0	38.6	37.3	37.3	39.9	43.8	46.3	52.8	57.9	59.2
97.5°	25.7	25.7	27.0	27.0	27.0	27.0	29.6	33.5	41.2	41.2	39.9
100°	18.0	18.0	19.3	18.0	18.0	19.3	19.3	21.9	25.7	24.5	24.5
102.5°	12.9	12.9	12.9	12.9	12.9	11.6	11.6	12.9	14.2	12.9	12.9
105°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.7
107.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	6.4	6.4
110°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.1

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CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.1	5.1
115°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.1	5.1
117.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
120°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
122.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
125°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.1	5.1	3.9
127.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
130°	3.9	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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°	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7	702.7
2.5°	706.5	704.0	696.2	687.2	679.5	673.1	666.6	661.5	660.2	657.6	660.2
5°	715.5	706.5	688.5	676.9	666.6	656.3	646.0	640.9	637.0	634.5	634.5
7.5°	719.4	706.5	685.9	670.5	648.6	626.7	613.9	603.6	599.7	603.6	603.6
10°	713.0	697.5	673.1	649.9	620.3	602.3	584.3	575.3	570.1	570.1	566.3
12.5°	715.5	697.5	661.5	626.7	602.3	570.1	548.2	537.9	530.2	532.8	532.8
15°	725.8	701.4	651.2	616.4	574.0	548.2	521.2	514.8	513.5	509.6	507.1
17.5°	741.3	705.2	648.6	593.3	549.5	518.6	492.9	481.3	474.9	471.0	469.7
20°	758.0	710.4	640.9	571.4	523.8	483.9	453.0	437.6	432.4	432.4	429.8
22.5°	786.3	728.4	634.5	561.1	489.0	449.1	418.3	396.4	386.1	384.8	383.5
25°	832.7	763.2	640.9	537.9	468.4	409.2	374.5	355.2	343.6	339.8	339.8
27.5°	903.4	810.8	649.9	525.1	426.0	371.9	333.3	303.7	287.0	288.3	289.6
30°	979.4	881.6	675.6	504.5	399.0	319.2	272.8	249.7	234.2	229.1	226.5
32.5°	1041.1	954.9	713.0	487.8	348.8	254.8	214.9	198.2	181.5	167.3	162.2
35°	1136.4	1016.7	745.1	463.3	307.6	208.5	173.7	148.0	133.8	127.4	124.8
37.5°	1222.6	1077.2	769.6	458.2	249.7	178.9	137.7	110.7	96.5	95.2	95.2
40°	1118.4	1001.2	751.6	417.0	196.9	139.0	99.1	78.5	68.2	63.1	63.1
42.5°	855.8	767.0	572.7	347.5	141.6	93.9	63.1	59.2	57.9	52.8	52.8
45°	716.8	566.3	347.5	181.5	66.9	51.5	45.0	45.0	46.3	50.2	50.2
47.5°	861.0	669.2	256.1	130.0	65.6	45.0	39.9	36.0	33.5	32.2	32.2
50°	1114.5	952.3	326.9	154.4	78.5	46.3	36.0	32.2	30.9	29.6	27.0
52.5°	1299.8	1115.8	431.1	235.5	126.1	59.2	36.0	27.0	20.6	18.0	16.7
55°	1411.8	1258.6	508.3	338.5	204.6	99.1	45.0	24.5	18.0	15.4	14.2
57.5°	1472.3	1275.4	572.7	431.1	301.1	176.3	78.5	29.6	18.0	14.2	14.2
60°	1480.0	1277.9	603.6	492.9	383.5	267.7	149.3	57.9	23.2	16.7	15.4
62.5°	1473.5	1256.1	611.3	517.4	433.7	342.3	235.5	114.5	36.0	19.3	18.0
65°	1462.0	1257.3	576.5	495.5	433.7	366.8	272.8	150.6	51.5	21.9	20.6
67.5°	1423.4	1253.5	557.2	447.9	392.5	328.2	244.5	140.3	59.2	27.0	25.7
70°	1344.9	1207.2	545.7	428.6	368.1	292.1	205.9	112.0	66.9	46.3	50.2
72.5°	1256.1	1123.5	534.1	411.8	359.1	290.8	207.2	121.0	90.1	75.9	81.1
75°	1123.5	978.1	513.5	395.1	353.9	299.9	209.8	114.5	84.9	68.2	66.9
77.5°	864.8	813.3	468.4	353.9	321.7	276.7	178.9	87.5	63.1	47.6	46.3
80°	565.0	558.5	365.5	285.7	271.5	244.5	149.3	68.2	50.2	38.6	36.0
82.5°	319.2	306.3	227.8	180.2	191.8	198.2	121.0	51.5	38.6	30.9	28.3
85°	181.5	184.0	132.6	97.8	99.1	117.1	78.5	36.0	24.5	18.0	16.7
87.5°	124.8	128.7	86.2	65.6	59.2	55.3	41.2	21.9	14.2	9.0	6.4
90°	101.7	101.7	64.3	47.6	41.2	36.0	23.2	12.9	10.3	5.1	3.9
92.5°	82.4	86.2	54.1	38.6	32.2	28.3	18.0	9.0	6.4	3.9	2.6
95°	61.8	65.6	43.8	32.2	25.7	21.9	15.4	7.7	5.1	2.6	2.6
97.5°	42.5	42.5	30.9	24.5	20.6	16.7	11.6	6.4	3.9	2.6	2.6
100°	24.5	25.7	18.0	15.4	14.2	12.9	7.7	5.1	2.6	1.3	1.3
102.5°	12.9	12.9	9.0	9.0	7.7	7.7	6.4	3.9	2.6	1.3	1.3
105°	7.7	7.7	6.4	6.4	5.1	5.1	3.9	2.6	1.3	0.0	1.3
107.5°	6.4	6.4	5.1	5.1	3.9	3.9	2.6	2.6	1.3	0.0	0.0
110°	5.1	5.1	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.1	5.1	3.9	3.9	2.6	2.6	2.6	1.3	1.3	0.0	0.0
115°	5.1	3.9	3.9	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0
117.5°	5.1	3.9	2.6	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
120°	5.1	3.9	2.6	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0
122.5°	5.1	3.9	2.6	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
125°	3.9	3.9	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
127.5°	3.9	3.9	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
130°	3.9	3.9	2.6	2.6	1.3	1.3	1.3	1.3	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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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

(END OF REPORT)