

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: P691052

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691052
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-C013-5TLD-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3303 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

Input Watts (W): 23.2
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



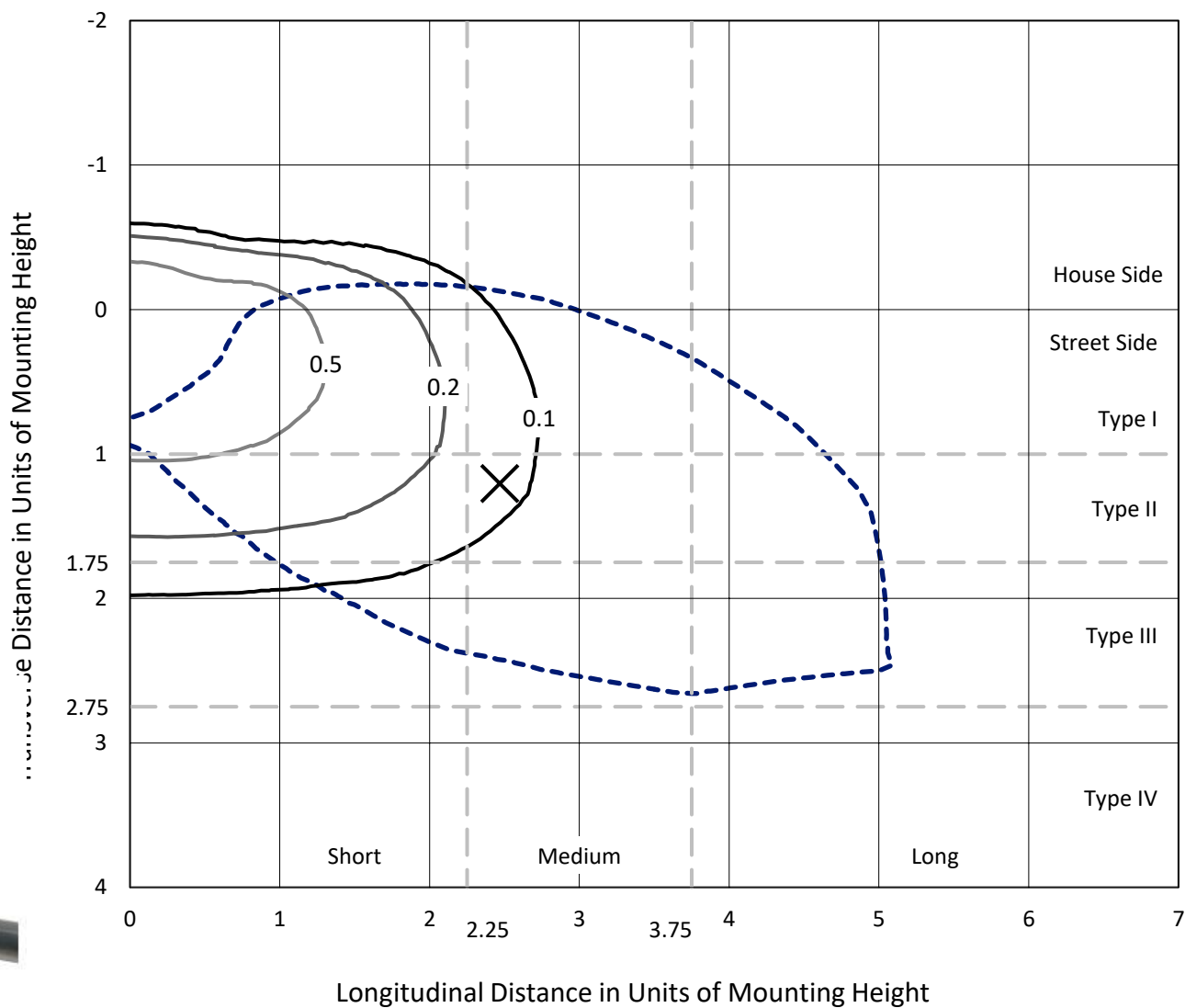
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

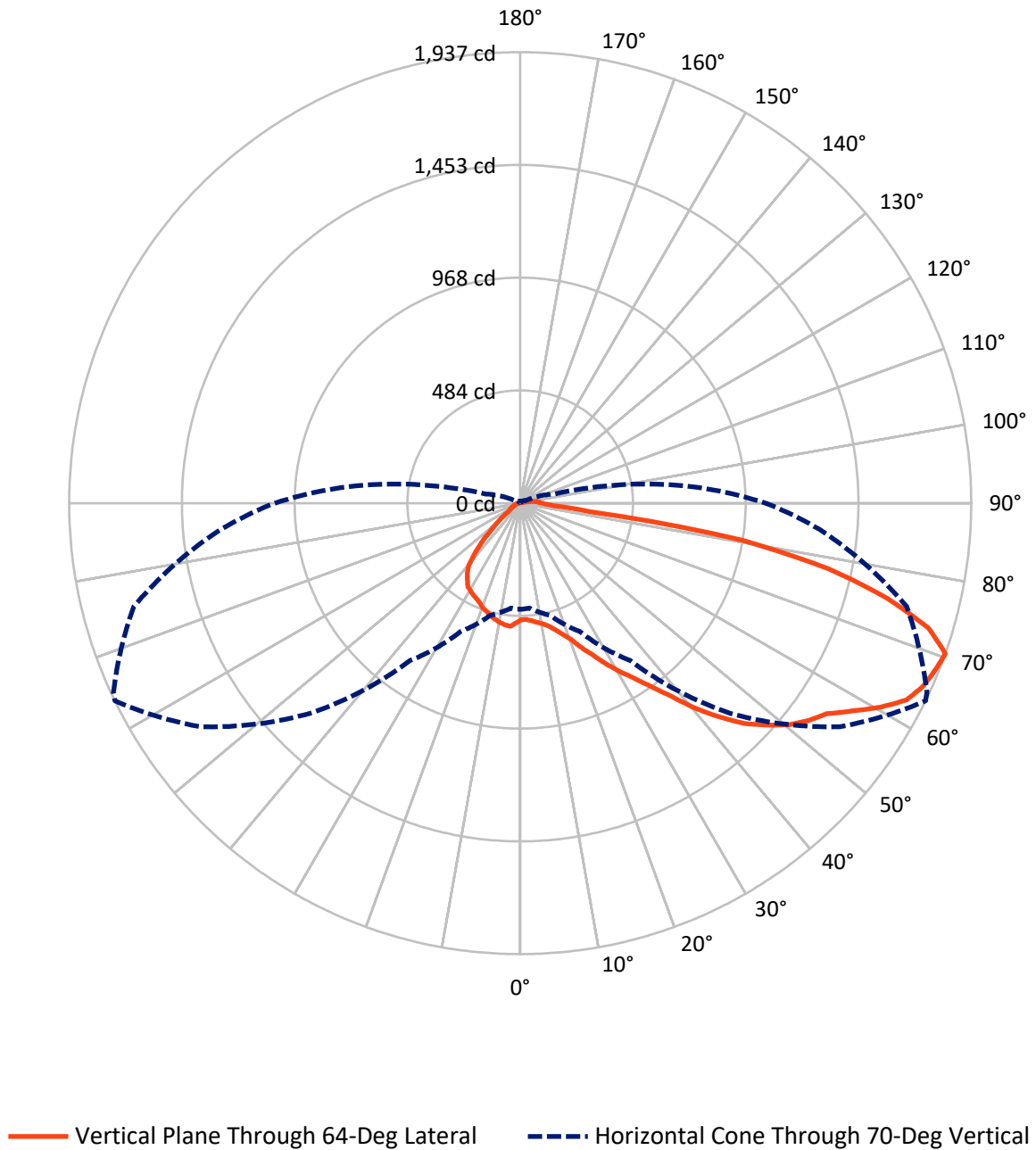


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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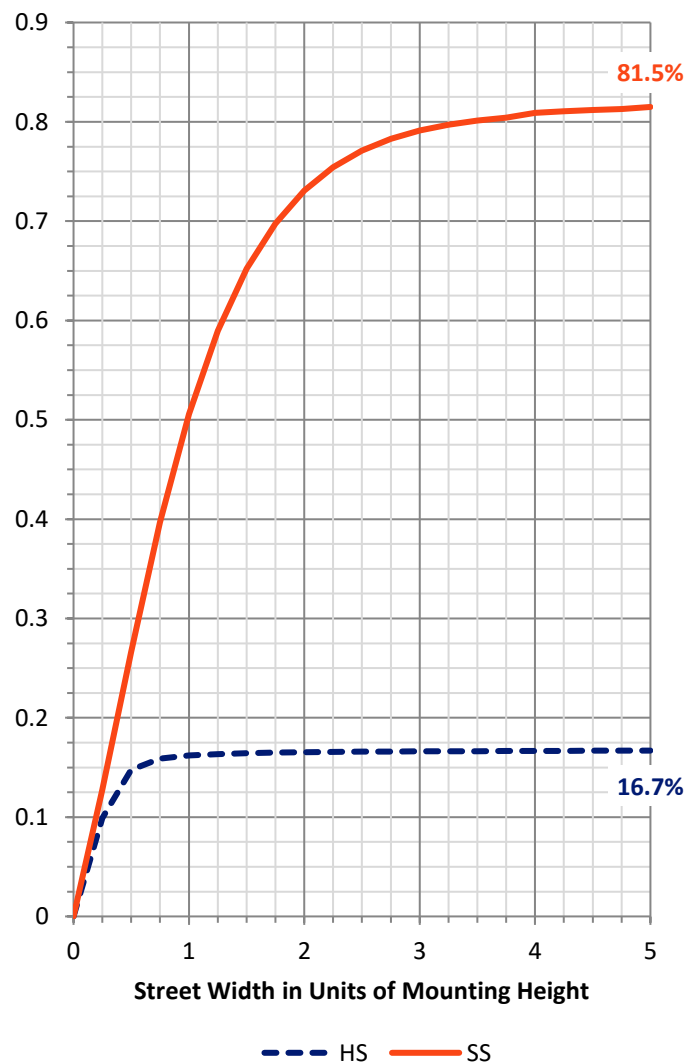
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	560.2	6.8	567.0
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	2708.2	27.9	2736.0
	% Fixture	82.0	0.8	82.8
Total	Lumens	3268.3	34.7	3303.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	1.5
10°-20°	152.2	4.6
20°-30°	263.2	8.0
30°-40°	390.5	11.8
40°-50°	536.4	16.2
50°-60°	651.4	19.7
60°-70°	692.1	21.0
70°-80°	457.2	13.8
80°-90°	75.7	2.3
90°-100°	28.2	0.9
100°-110°	4.8	0.1
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°	3268.3	98.9
0°-180°	3303.0	100.0

Coefficient of Utilization



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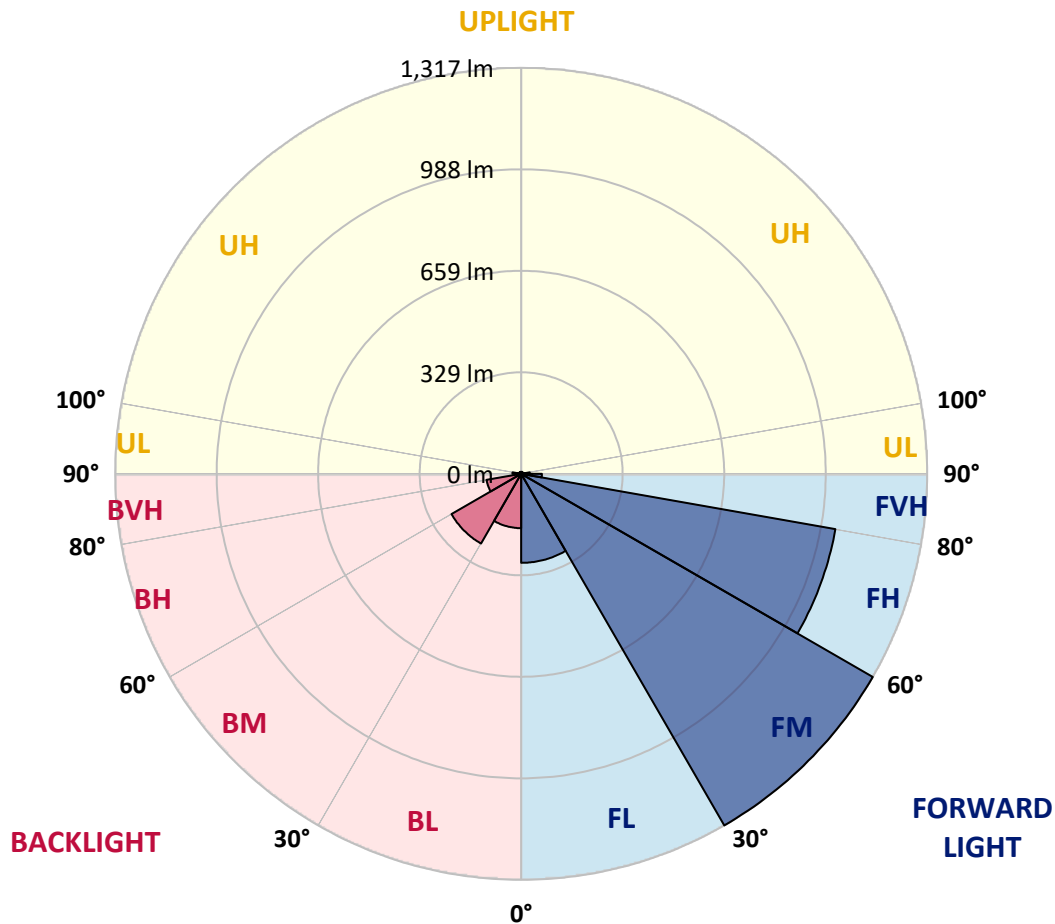
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.7	8.7			
FM	(30°-60°)	1317.2	39.9			
FH	(60°-80°)	1035.1	31.3			G1/1800
FVH	(80°-90°)	67.2	2.0			G1/100
BL	(0°-30°)	176.3	5.3	B1/500		
BM	(30°-60°)	261.1	7.9	B1/1000		
BH	(60°-80°)	114.2	3.5	B1/500		G1/500
BVH	(80°-90°)	8.5	0.3			G0/10
UL	(90°-100°)	28.2	0.9		U2/50	
UH	(100°-180°)	6.5	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
2.5°	504.6	503.4	504.6	503.4	502.2	501.0	499.9	499.9	498.7	499.9	501.0
5°	527.0	528.2	525.9	521.1	515.2	510.5	508.1	507.0	507.0	508.1	512.9
7.5°	543.6	542.4	541.2	540.0	535.3	524.7	518.8	516.4	516.4	514.0	522.3
10°	573.1	570.8	564.9	557.8	553.0	541.2	530.6	527.0	525.9	527.0	534.1
12.5°	605.0	602.7	601.5	594.4	577.9	567.2	549.5	541.2	541.2	541.2	544.8
15°	651.1	647.6	635.8	627.5	613.3	595.6	575.5	563.7	563.7	566.0	556.6
17.5°	684.2	681.9	680.7	666.5	654.7	627.5	612.1	592.0	592.0	596.8	576.7
20°	718.5	716.1	717.3	714.9	697.2	675.9	648.8	625.1	625.1	626.3	597.9
22.5°	764.6	761.0	761.0	759.8	750.4	725.6	693.7	673.6	670.0	660.6	625.1
25°	810.7	809.5	807.1	808.3	805.9	777.6	743.3	720.8	720.8	707.8	661.8
27.5°	856.7	856.7	855.6	856.7	855.6	837.8	803.6	779.9	781.1	764.6	701.9
30°	889.8	888.7	896.9	900.5	902.8	895.7	862.7	836.7	839.0	822.5	749.2
32.5°	920.6	919.4	933.6	941.8	944.2	943.0	915.8	894.6	900.5	885.1	805.9
35°	948.9	947.7	966.6	987.9	997.4	995.0	977.3	965.5	971.4	970.2	882.7
37.5°	970.2	973.7	998.6	1028.1	1044.6	1045.8	1037.5	1050.5	1057.6	1081.3	978.5
40°	995.0	995.0	1018.6	1050.5	1080.1	1091.9	1099.0	1158.1	1165.2	1169.9	1042.3
42.5°	969.0	976.1	1026.9	1074.2	1112.0	1139.2	1178.2	1255.0	1270.3	1234.9	1120.3
45°	948.9	954.8	1006.8	1086.0	1140.4	1191.2	1264.4	1349.5	1361.3	1299.9	1161.6
47.5°	927.6	937.1	990.3	1077.7	1167.5	1255.0	1336.5	1424.0	1434.6	1355.4	1219.5
50°	902.8	913.5	970.2	1065.9	1181.7	1315.3	1401.5	1496.1	1497.2	1403.9	1251.4
52.5°	879.2	886.3	945.4	1050.5	1193.5	1361.3	1463.0	1550.4	1543.3	1465.3	1285.7
55°	839.0	853.2	915.8	1029.3	1199.4	1387.3	1505.5	1596.5	1601.2	1531.5	1331.8
57.5°	802.4	811.8	878.0	998.6	1194.7	1402.7	1546.9	1682.8	1692.2	1590.6	1364.9
60°	756.3	762.2	826.0	956.0	1164.0	1428.7	1639.0	1778.5	1789.1	1647.3	1377.9
62.5°	698.4	698.4	762.2	899.3	1125.0	1447.6	1702.9	1861.2	1861.2	1692.2	1382.6
65°	623.9	627.5	684.2	822.5	1060.0	1437.0	1721.8	1900.2	1903.7	1724.1	1380.2
67.5°	551.9	550.7	600.3	722.0	961.9	1381.4	1707.6	1920.3	1934.5	1743.0	1349.5
70°	456.1	452.6	498.7	608.6	824.8	1276.3	1674.5	1936.8	1927.4	1718.2	1289.3
72.5°	351.0	347.4	381.7	465.6	649.9	1095.5	1577.6	1832.8	1816.3	1583.5	1165.2
75°	249.3	244.6	271.8	327.3	427.8	801.2	1353.1	1626.0	1607.1	1424.0	972.6
77.5°	141.8	137.1	161.9	206.8	258.8	453.8	1024.5	1355.4	1381.4	1174.6	743.3
80°	62.6	60.3	70.9	99.3	145.4	216.3	557.8	969.0	933.6	801.2	423.1
82.5°	53.2	53.2	54.4	56.7	59.1	99.3	209.2	304.9	291.9	235.2	134.7
85°	46.1	44.9	47.3	49.6	50.8	65.0	121.7	146.5	144.2	130.0	93.4
87.5°	37.8	35.5	39.0	41.4	41.4	53.2	91.0	107.5	107.5	108.7	82.7
90°	33.1	33.1	30.7	30.7	31.9	37.8	69.7	88.6	91.0	112.3	95.7
92.5°	28.4	28.4	28.4	28.4	23.6	27.2	49.6	79.2	85.1	109.9	86.3
95°	27.2	26.0	27.2	24.8	23.6	24.8	37.8	69.7	76.8	96.9	75.6
97.5°	18.9	17.7	20.1	20.1	21.3	22.5	31.9	52.0	54.4	72.1	56.7
100°	13.0	11.8	11.8	11.8	15.4	15.4	26.0	31.9	33.1	46.1	37.8
102.5°	7.1	5.9	5.9	5.9	8.3	9.5	13.0	17.7	17.7	24.8	21.3
105°	2.4	2.4	3.5	3.5	3.5	4.7	4.7	5.9	5.9	7.1	9.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2

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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	1.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
2.5°	502.2	504.6	510.5	514.0	518.8	523.5	527.0	527.0	530.6	528.2	527.0
5°	517.6	518.8	525.9	530.6	529.4	524.7	521.1	518.8	520.0	522.3	522.3
7.5°	528.2	533.0	527.0	527.0	525.9	520.0	512.9	505.8	502.2	501.0	501.0
10°	534.1	529.4	527.0	521.1	508.1	504.6	498.7	485.7	482.1	482.1	477.4
12.5°	537.7	535.3	522.3	511.7	499.9	481.0	468.0	465.6	455.0	453.8	455.0
15°	551.9	540.0	523.5	503.4	481.0	464.4	446.7	427.8	419.5	420.7	421.9
17.5°	561.3	550.7	521.1	489.2	469.1	438.4	418.3	407.7	394.7	394.7	394.7
20°	576.7	559.0	517.6	483.3	436.1	413.6	390.0	378.1	365.2	342.7	340.3
22.5°	596.8	574.3	516.4	465.6	423.1	386.4	352.2	315.5	296.6	283.6	280.1
25°	621.6	595.6	524.7	457.3	398.2	353.3	309.6	260.0	224.5	217.4	217.4
27.5°	664.1	622.8	535.3	449.1	384.1	316.7	248.2	204.4	173.7	164.3	163.1
30°	705.5	657.0	538.9	440.8	356.9	267.1	191.4	145.4	118.2	106.4	104.0
32.5°	770.5	704.3	569.6	433.7	326.2	215.1	135.9	92.2	69.7	62.6	61.4
35°	836.7	768.1	580.2	414.8	270.6	157.2	78.0	49.6	37.8	31.9	30.7
37.5°	921.7	848.5	612.1	394.7	215.1	89.8	43.7	27.2	23.6	23.6	23.6
40°	971.4	883.9	640.5	368.7	147.7	46.1	26.0	21.3	21.3	20.1	20.1
42.5°	1035.2	927.6	665.3	317.9	78.0	28.4	22.5	20.1	17.7	17.7	17.7
45°	1071.8	956.0	657.0	255.3	36.6	26.0	21.3	17.7	16.5	16.5	16.5
47.5°	1116.7	991.5	639.3	189.1	31.9	23.6	20.1	16.5	15.4	16.5	16.5
50°	1161.6	1026.9	594.4	145.4	29.5	22.5	17.7	14.2	14.2	15.4	15.4
52.5°	1184.1	1051.7	541.2	100.4	29.5	21.3	16.5	14.2	13.0	13.0	13.0
55°	1210.1	1057.6	496.3	66.2	28.4	20.1	15.4	11.8	11.8	10.6	10.6
57.5°	1224.3	1042.3	463.2	55.5	27.2	18.9	14.2	10.6	9.5	8.3	8.3
60°	1218.4	1019.8	434.9	48.5	24.8	17.7	13.0	9.5	7.1	5.9	5.9
62.5°	1206.5	1000.9	382.9	42.5	23.6	15.4	10.6	8.3	5.9	4.7	4.7
65°	1193.5	950.1	322.6	36.6	21.3	14.2	9.5	7.1	4.7	3.5	3.5
67.5°	1133.3	882.7	236.3	33.1	20.1	13.0	8.3	5.9	4.7	3.5	3.5
70°	1054.1	770.5	152.4	28.4	17.7	11.8	8.3	4.7	3.5	2.4	2.4
72.5°	896.9	628.7	76.8	24.8	16.5	11.8	7.1	4.7	3.5	2.4	1.2
75°	732.7	469.1	49.6	21.3	15.4	11.8	7.1	4.7	2.4	1.2	1.2
77.5°	524.7	254.1	37.8	18.9	13.0	11.8	5.9	3.5	2.4	2.4	1.2
80°	218.6	92.2	30.7	15.4	11.8	10.6	5.9	3.5	2.4	2.4	1.2
82.5°	92.2	63.8	27.2	13.0	10.6	10.6	4.7	3.5	2.4	2.4	2.4
85°	72.1	53.2	23.6	11.8	9.5	11.8	4.7	3.5	3.5	3.5	3.5
87.5°	67.4	54.4	21.3	10.6	9.5	8.3	4.7	3.5	5.9	5.9	7.1
90°	75.6	56.7	16.5	9.5	8.3	7.1	3.5	2.4	2.4	0.0	0.0
92.5°	69.7	52.0	11.8	7.1	10.6	4.7	2.4	0.0	0.0	0.0	0.0
95°	60.3	43.7	7.1	4.7	11.8	5.9	1.2	0.0	0.0	0.0	0.0
97.5°	44.9	31.9	4.7	2.4	9.5	7.1	1.2	0.0	0.0	0.0	0.0
100°	31.9	20.1	3.5	2.4	5.9	7.1	1.2	0.0	0.0	0.0	0.0
102.5°	17.7	10.6	2.4	1.2	2.4	2.4	0.0	0.0	0.0	0.0	0.0
105°	8.3	3.5	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
115°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
135°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.2	1.2	1.2	1.2	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)