

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: P691344

Luminaire Tested: **CRTK2-C015-D-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691344
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-C015-D-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 3597 lumens
Efficiency: N/A
Efficacy: 120.3 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): 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



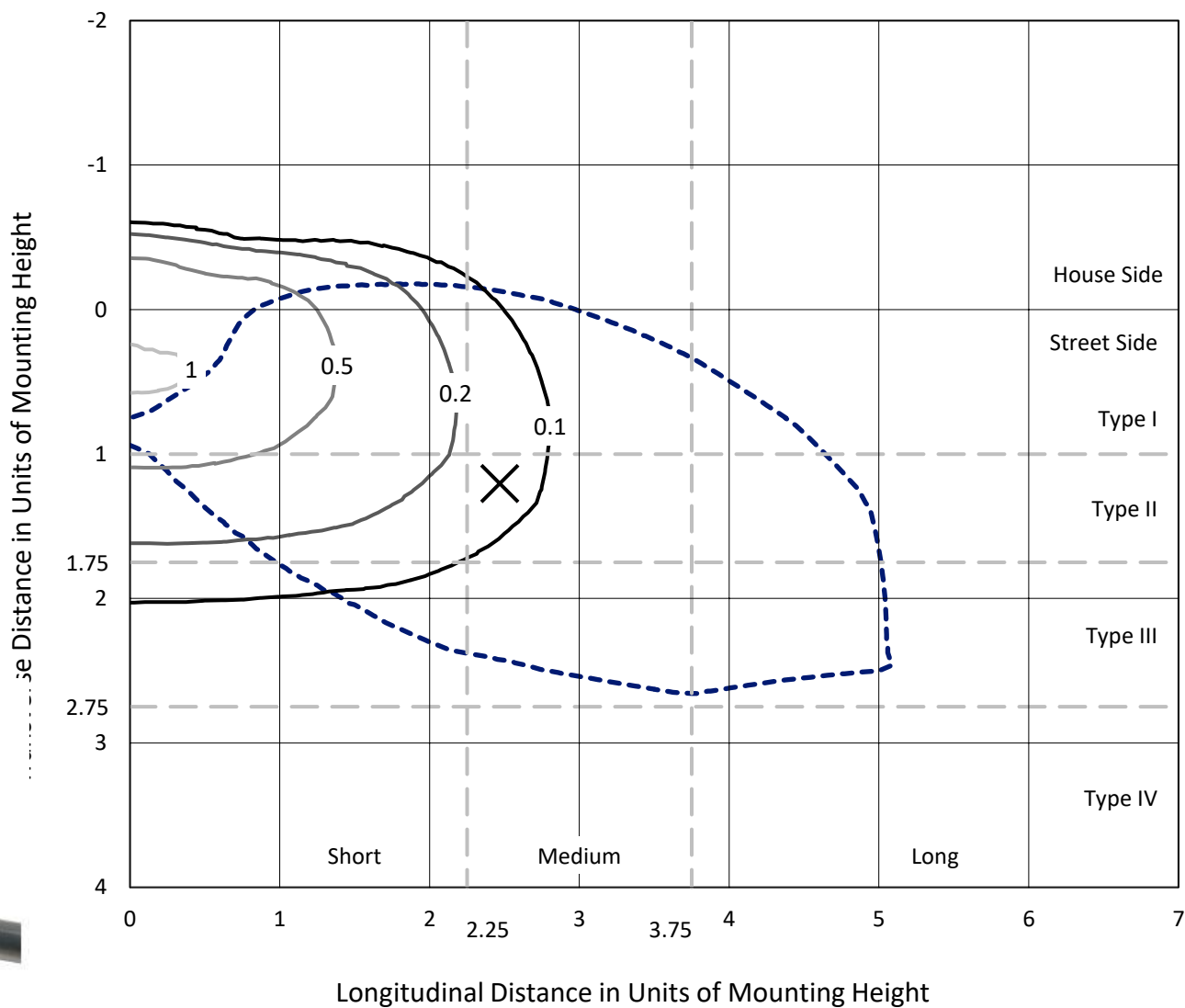
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

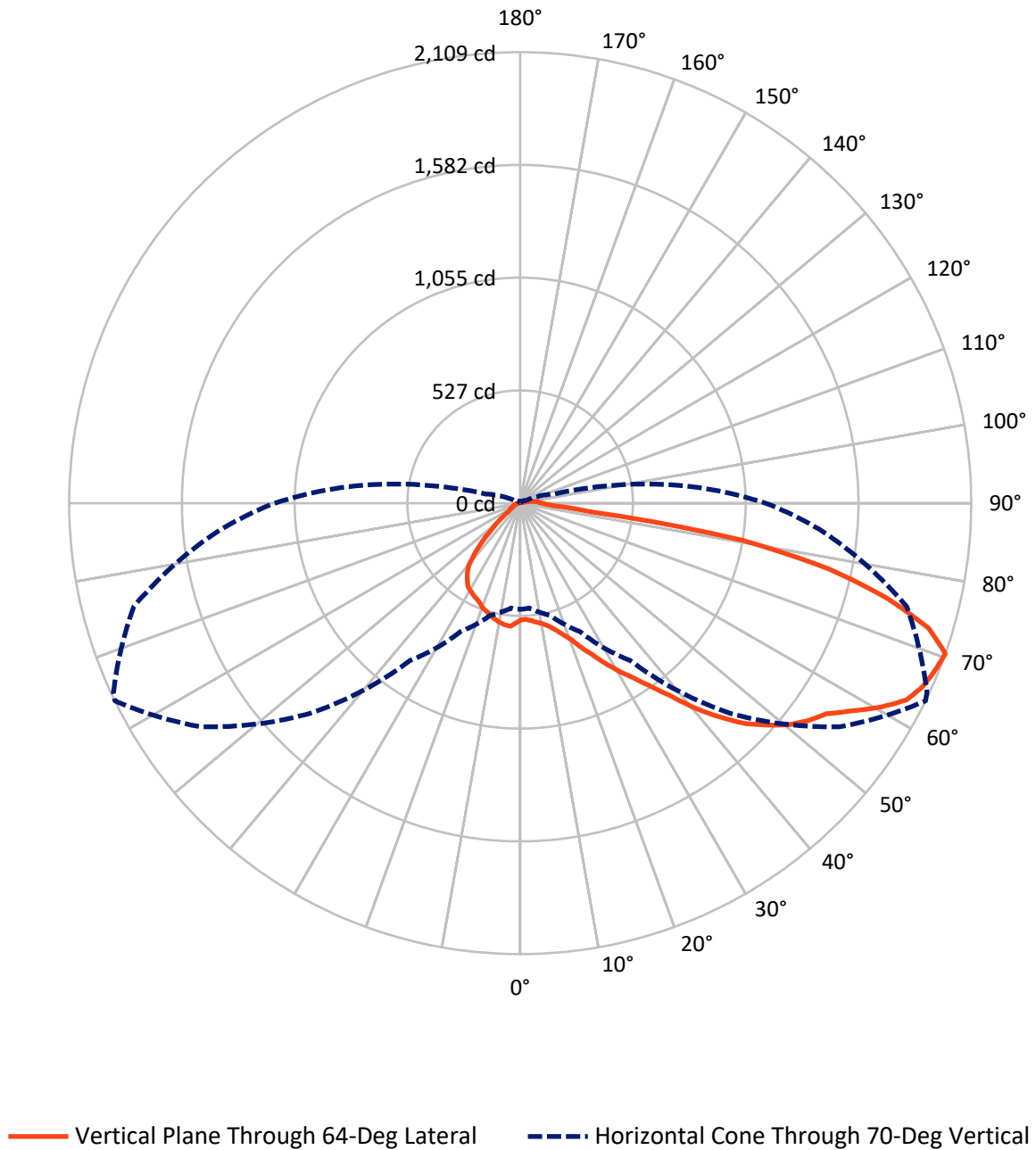


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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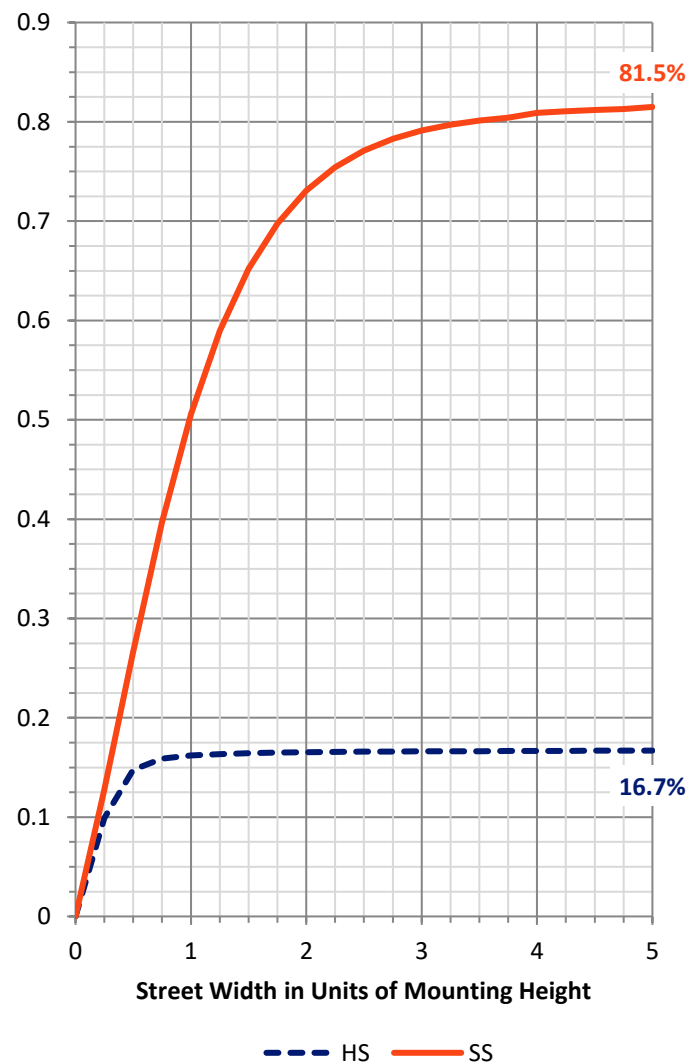
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.0	7.4	617.5
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	2949.2	30.3	2979.6
	% Fixture	82.0	0.8	82.8
Total	Lumens	3559.3	37.8	3597.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.5
10°-20°	165.8	4.6
20°-30°	286.6	8.0
30°-40°	425.2	11.8
40°-50°	584.1	16.2
50°-60°	709.4	19.7
60°-70°	753.7	21.0
70°-80°	497.9	13.8
80°-90°	82.5	2.3
90°-100°	30.7	0.9
100°-110°	5.2	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°	3559.3	99.0
0°-180°	3597.0	100.0

Coefficient of Utilization



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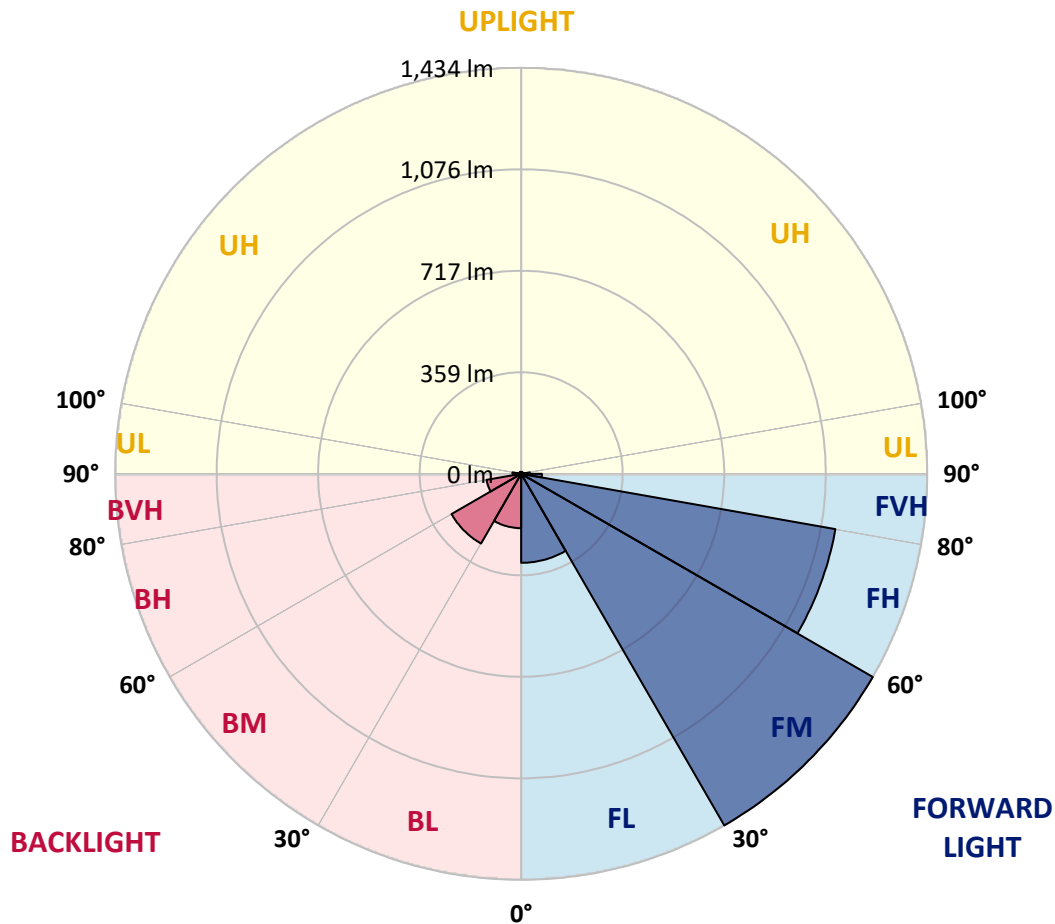
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.4	8.7			
FM	(30°-60°)	1434.4	39.9			
FH	(60°-80°)	1127.2	31.3			G1/1800
FVH	(80°-90°)	73.2	2.0			G1/100
BL	(0°-30°)	192.0	5.3	B1/500		
BM	(30°-60°)	284.4	7.9	B1/1000		
BH	(60°-80°)	124.4	3.5	B1/500		G1/500
BVH	(80°-90°)	9.3	0.3			G0/10
UL	(90°-100°)	30.7	0.9		U2/50	
UH	(100°-180°)	7.0	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°	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6
2.5°	549.5	548.2	549.5	548.2	546.9	545.6	544.4	544.4	543.1	544.4	545.6
5°	574.0	575.2	572.7	567.5	561.1	555.9	553.4	552.1	552.1	553.4	558.5
7.5°	592.0	590.7	589.4	588.1	583.0	571.4	564.9	562.4	562.4	559.8	568.8
10°	624.1	621.6	615.1	607.4	602.3	589.4	577.8	574.0	572.7	574.0	581.7
12.5°	658.9	656.3	655.0	647.3	629.3	617.7	598.4	589.4	589.4	589.4	593.3
15°	709.1	705.2	692.4	683.3	667.9	648.6	626.7	613.9	613.9	616.4	606.1
17.5°	745.1	742.5	741.3	725.8	712.9	683.3	666.6	644.7	644.7	649.9	628.0
20°	782.4	779.9	781.1	778.6	759.3	736.1	706.5	680.8	680.8	682.1	651.2
22.5°	832.6	828.8	828.8	827.5	817.2	790.2	755.4	733.5	729.7	719.4	680.8
25°	882.8	881.5	879.0	880.2	877.7	846.8	809.5	785.0	785.0	770.9	720.7
27.5°	933.0	933.0	931.7	933.0	931.7	912.4	875.1	849.4	850.6	832.6	764.4
30°	969.0	967.8	976.8	980.6	983.2	975.5	939.4	911.1	913.7	895.7	815.9
32.5°	1002.5	1001.2	1016.7	1025.7	1028.2	1026.9	997.3	974.2	980.6	963.9	877.7
35°	1033.4	1032.1	1052.7	1075.8	1086.1	1083.6	1064.3	1051.4	1057.8	1056.5	961.3
37.5°	1056.5	1060.4	1087.4	1119.6	1137.6	1138.9	1129.9	1144.1	1151.8	1177.5	1065.6
40°	1083.6	1083.6	1109.3	1144.1	1176.2	1189.1	1196.8	1261.2	1268.9	1274.0	1135.0
42.5°	1055.3	1063.0	1118.3	1169.8	1211.0	1240.6	1283.0	1366.7	1383.4	1344.8	1220.0
45°	1033.4	1039.8	1096.4	1182.7	1241.9	1297.2	1377.0	1469.6	1482.5	1415.6	1265.0
47.5°	1010.2	1020.5	1078.4	1173.7	1271.5	1366.7	1455.5	1550.7	1562.3	1476.1	1328.1
50°	983.2	994.8	1056.5	1160.8	1286.9	1432.3	1526.3	1629.2	1630.5	1528.8	1362.8
52.5°	957.5	965.2	1029.5	1144.1	1299.8	1482.5	1593.2	1688.4	1680.7	1595.8	1400.1
55°	913.7	929.1	997.3	1120.9	1306.2	1510.8	1639.5	1738.6	1743.8	1667.8	1450.3
57.5°	873.8	884.1	956.2	1087.4	1301.1	1527.6	1684.6	1832.5	1842.8	1732.2	1486.4
60°	823.6	830.1	899.5	1041.1	1267.6	1555.9	1784.9	1936.8	1948.4	1793.9	1500.5
62.5°	760.6	760.6	830.1	979.3	1225.1	1576.5	1854.4	2026.9	2026.9	1842.8	1505.7
65°	679.5	683.3	745.1	895.7	1154.4	1564.9	1875.0	2069.3	2073.2	1877.6	1503.1
67.5°	601.0	599.7	653.7	786.3	1047.5	1504.4	1859.6	2091.2	2106.7	1898.2	1469.6
70°	496.7	492.9	543.1	662.8	898.3	1389.9	1823.5	2109.2	2098.9	1871.2	1404.0
72.5°	382.2	378.3	415.7	507.0	707.8	1193.0	1718.0	1996.0	1978.0	1724.4	1268.9
75°	271.5	266.4	296.0	356.5	465.9	872.5	1473.5	1770.8	1750.2	1550.7	1059.1
77.5°	154.4	149.3	176.3	225.2	281.8	494.2	1115.7	1476.1	1504.4	1279.2	809.5
80°	68.2	65.6	77.2	108.1	158.3	235.5	607.4	1055.3	1016.7	872.5	460.7
82.5°	57.9	57.9	59.2	61.8	64.3	108.1	227.8	332.0	317.9	256.1	146.7
85°	50.2	48.9	51.5	54.0	55.3	70.8	132.6	159.6	157.0	141.6	101.7
87.5°	41.2	38.6	42.5	45.0	45.0	57.9	99.1	117.1	117.1	118.4	90.1
90°	36.0	36.0	33.5	33.5	34.7	41.2	75.9	96.5	99.1	122.3	104.2
92.5°	30.9	30.9	30.9	30.9	25.7	29.6	54.0	86.2	92.7	119.7	93.9
95°	29.6	28.3	29.6	27.0	25.7	27.0	41.2	75.9	83.6	105.5	82.4
97.5°	20.6	19.3	21.9	21.9	23.2	24.5	34.7	56.6	59.2	78.5	61.8
100°	14.2	12.9	12.9	12.9	16.7	16.7	28.3	34.7	36.0	50.2	41.2
102.5°	7.7	6.4	6.4	6.4	9.0	10.3	14.2	19.3	19.3	27.0	23.2
105°	2.6	2.6	3.9	3.9	3.9	5.1	5.1	6.4	6.4	7.7	10.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3

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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	1.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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	1.3	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6
2.5°	546.9	549.5	555.9	559.8	564.9	570.1	574.0	574.0	577.8	575.2	574.0
5°	563.7	564.9	572.7	577.8	576.5	571.4	567.5	564.9	566.2	568.8	568.8
7.5°	575.2	580.4	574.0	574.0	572.7	566.2	558.5	550.8	546.9	545.6	545.6
10°	581.7	576.5	574.0	567.5	553.4	549.5	543.1	528.9	525.1	525.1	519.9
12.5°	585.5	583.0	568.8	557.2	544.4	523.8	509.6	507.0	495.5	494.2	495.5
15°	601.0	588.1	570.1	548.2	523.8	505.8	486.4	465.9	456.9	458.1	459.4
17.5°	611.3	599.7	567.5	532.8	510.9	477.4	455.6	444.0	429.8	429.8	429.8
20°	628.0	608.7	563.7	526.3	474.9	450.4	424.7	411.8	397.7	373.2	370.6
22.5°	649.9	625.4	562.4	507.0	460.7	420.8	383.5	343.6	323.0	308.9	305.0
25°	676.9	648.6	571.4	498.0	433.7	384.8	337.2	283.1	244.5	236.8	236.8
27.5°	723.2	678.2	583.0	489.0	418.2	344.9	270.2	222.6	189.2	178.9	177.6
30°	768.3	715.5	586.8	480.0	388.6	290.8	208.5	158.3	128.7	115.8	113.2
32.5°	839.1	767.0	620.3	472.3	355.2	234.2	148.0	100.4	75.9	68.2	66.9
35°	911.1	836.5	631.9	451.7	294.7	171.2	84.9	54.0	41.2	34.7	33.5
37.5°	1003.8	924.0	666.6	429.8	234.2	97.8	47.6	29.6	25.7	25.7	25.7
40°	1057.8	962.6	697.5	401.5	160.9	50.2	28.3	23.2	23.2	21.9	21.9
42.5°	1127.3	1010.2	724.5	346.2	84.9	30.9	24.5	21.9	19.3	19.3	19.3
45°	1167.2	1041.1	715.5	278.0	39.9	28.3	23.2	19.3	18.0	18.0	18.0
47.5°	1216.1	1079.7	696.2	205.9	34.7	25.7	21.9	18.0	16.7	18.0	18.0
50°	1265.0	1118.3	647.3	158.3	32.2	24.5	19.3	15.4	15.4	16.7	16.7
52.5°	1289.5	1145.3	589.4	109.4	32.2	23.2	18.0	15.4	14.2	14.2	14.2
55°	1317.8	1151.8	540.5	72.1	30.9	21.9	16.7	12.9	12.9	11.6	11.6
57.5°	1333.2	1135.0	504.5	60.5	29.6	20.6	15.4	11.6	10.3	9.0	9.0
60°	1326.8	1110.6	473.6	52.8	27.0	19.3	14.2	10.3	7.7	6.4	6.4
62.5°	1313.9	1090.0	417.0	46.3	25.7	16.7	11.6	9.0	6.4	5.1	5.1
65°	1299.8	1034.7	351.3	39.9	23.2	15.4	10.3	7.7	5.1	3.9	3.9
67.5°	1234.1	961.3	257.4	36.0	21.9	14.2	9.0	6.4	5.1	3.9	3.9
70°	1147.9	839.1	166.0	30.9	19.3	12.9	9.0	5.1	3.9	2.6	2.6
72.5°	976.8	684.6	83.6	27.0	18.0	12.9	7.7	5.1	3.9	2.6	1.3
75°	797.9	510.9	54.0	23.2	16.7	12.9	7.7	5.1	2.6	1.3	1.3
77.5°	571.4	276.7	41.2	20.6	14.2	12.9	6.4	3.9	2.6	2.6	1.3
80°	238.1	100.4	33.5	16.7	12.9	11.6	6.4	3.9	2.6	2.6	1.3
82.5°	100.4	69.5	29.6	14.2	11.6	11.6	5.1	3.9	2.6	2.6	2.6
85°	78.5	57.9	25.7	12.9	10.3	12.9	5.1	3.9	3.9	3.9	3.9
87.5°	73.4	59.2	23.2	11.6	10.3	9.0	5.1	3.9	6.4	6.4	7.7
90°	82.4	61.8	18.0	10.3	9.0	7.7	3.9	2.6	2.6	0.0	0.0
92.5°	75.9	56.6	12.9	7.7	11.6	5.1	2.6	0.0	0.0	0.0	0.0
95°	65.6	47.6	7.7	5.1	12.9	6.4	1.3	0.0	0.0	0.0	0.0
97.5°	48.9	34.7	5.1	2.6	10.3	7.7	1.3	0.0	0.0	0.0	0.0
100°	34.7	21.9	3.9	2.6	6.4	7.7	1.3	0.0	0.0	0.0	0.0
102.5°	19.3	11.6	2.6	1.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0
105°	9.0	3.9	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.3	1.3	1.3	1.3	1.3	0.0	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-T3-8027-HSS-CRTK2

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	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.3	1.3	1.3	1.3	1.3	0.0	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	1.3	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	0.0	0.0	0.0	0.0	0.0
135°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.3	1.3	1.3	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

(END OF REPORT)