

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: P691561

Luminaire Tested: **CRTK2-C016-D-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3439 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

Input Watts (W): 41.6
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



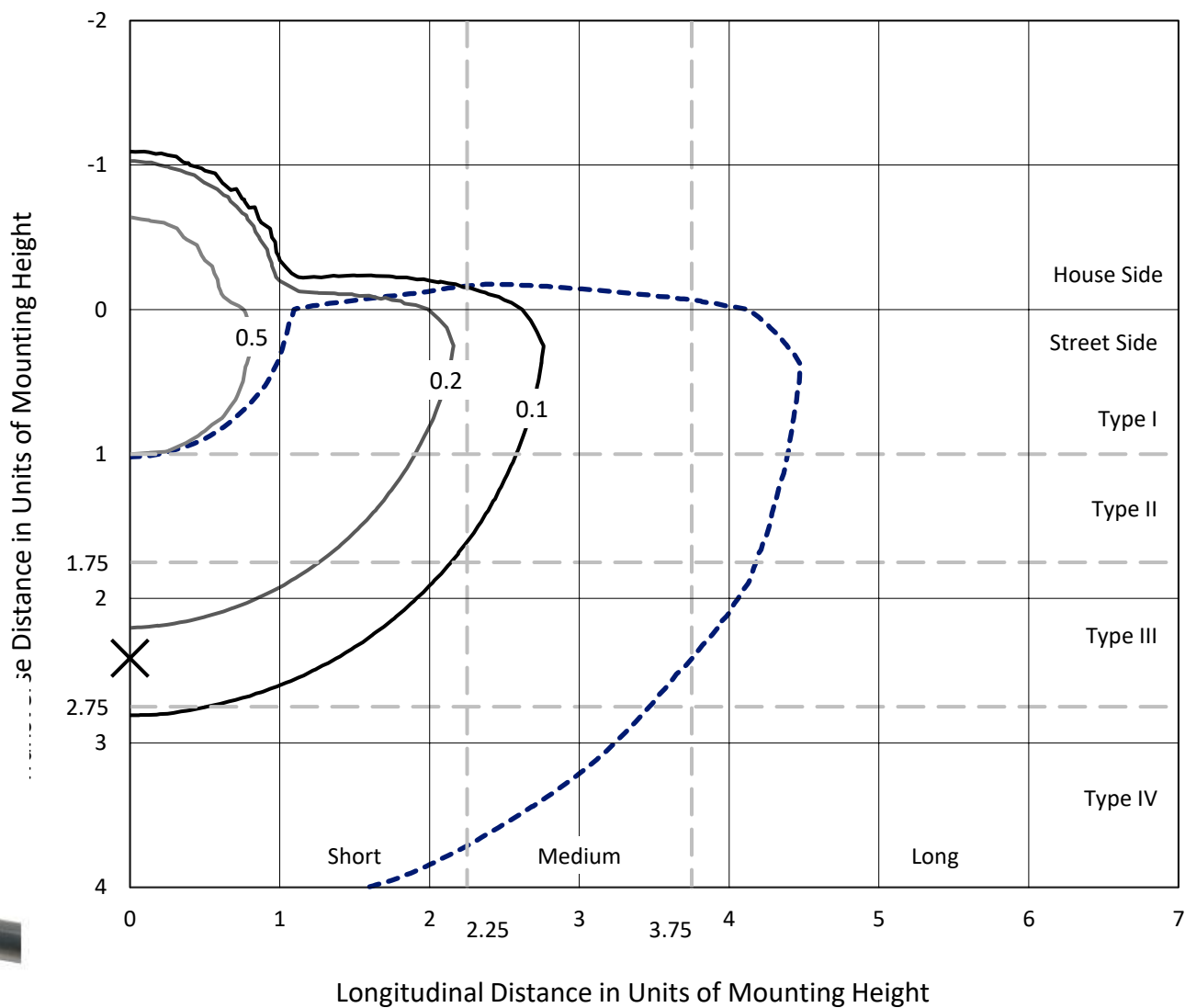
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

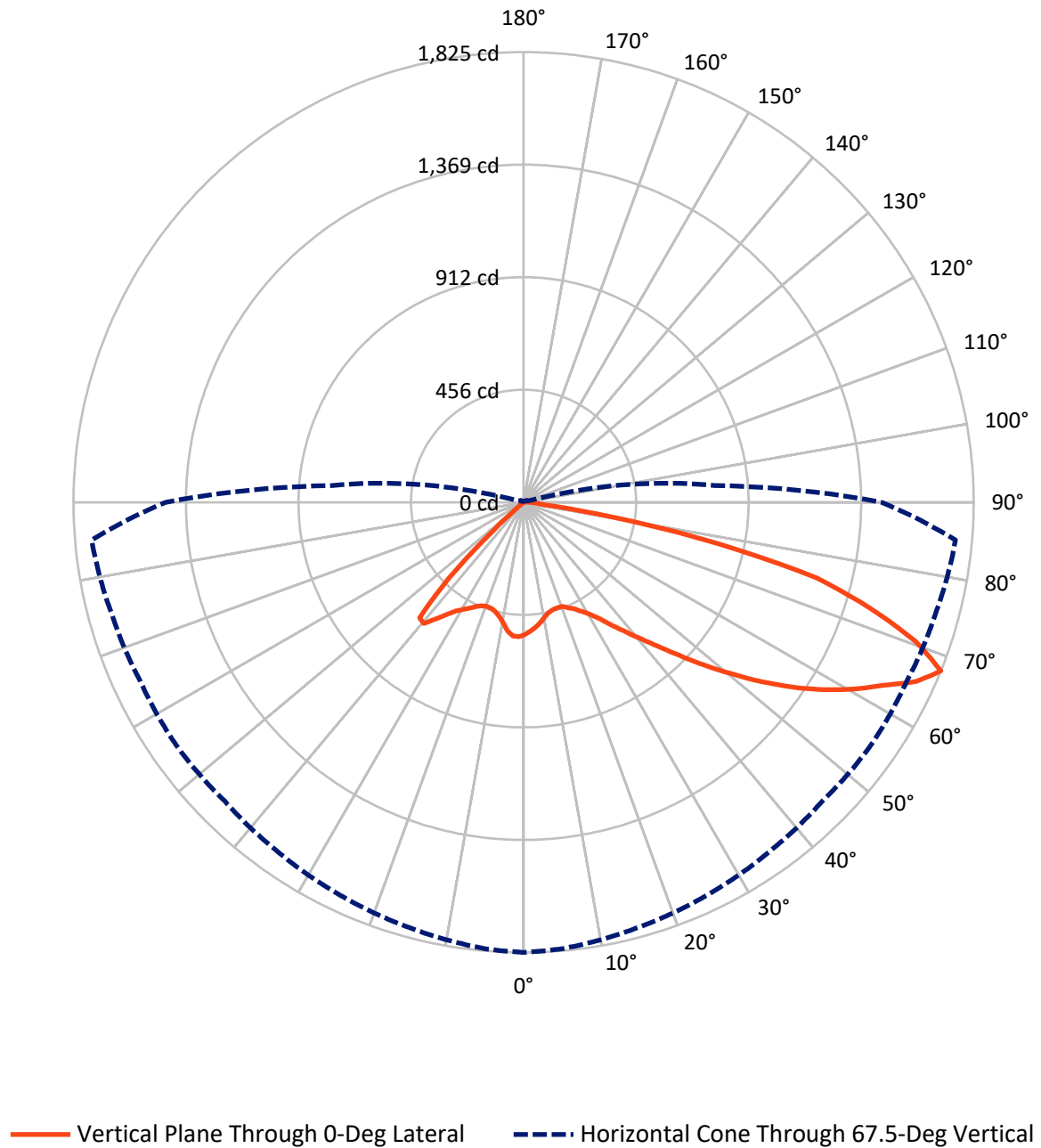


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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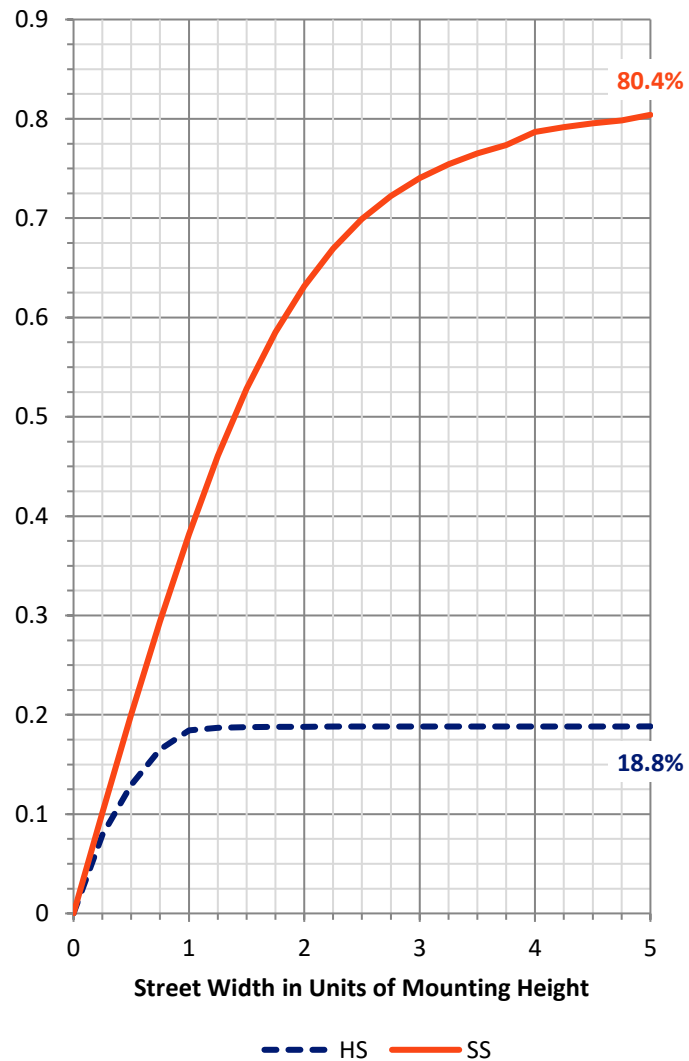
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.3	1.2	652.5
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	2778.7	7.8	2786.5
	% Fixture	80.8	0.2	81.0
Total	Lumens	3430.0	9.0	3439.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	1.4
10°-20°	126.2	3.7
20°-30°	216.5	6.3
30°-40°	366.1	10.6
40°-50°	488.5	14.2
50°-60°	620.2	18.0
60°-70°	868.5	25.3
70°-80°	629.0	18.3
80°-90°	67.0	1.9
90°-100°	7.5	0.2
100°-110°	0.8	0.0
110°-120°	0.3	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3430.0	99.7
0°-180°	3439.0	100.0

Coefficient of Utilization



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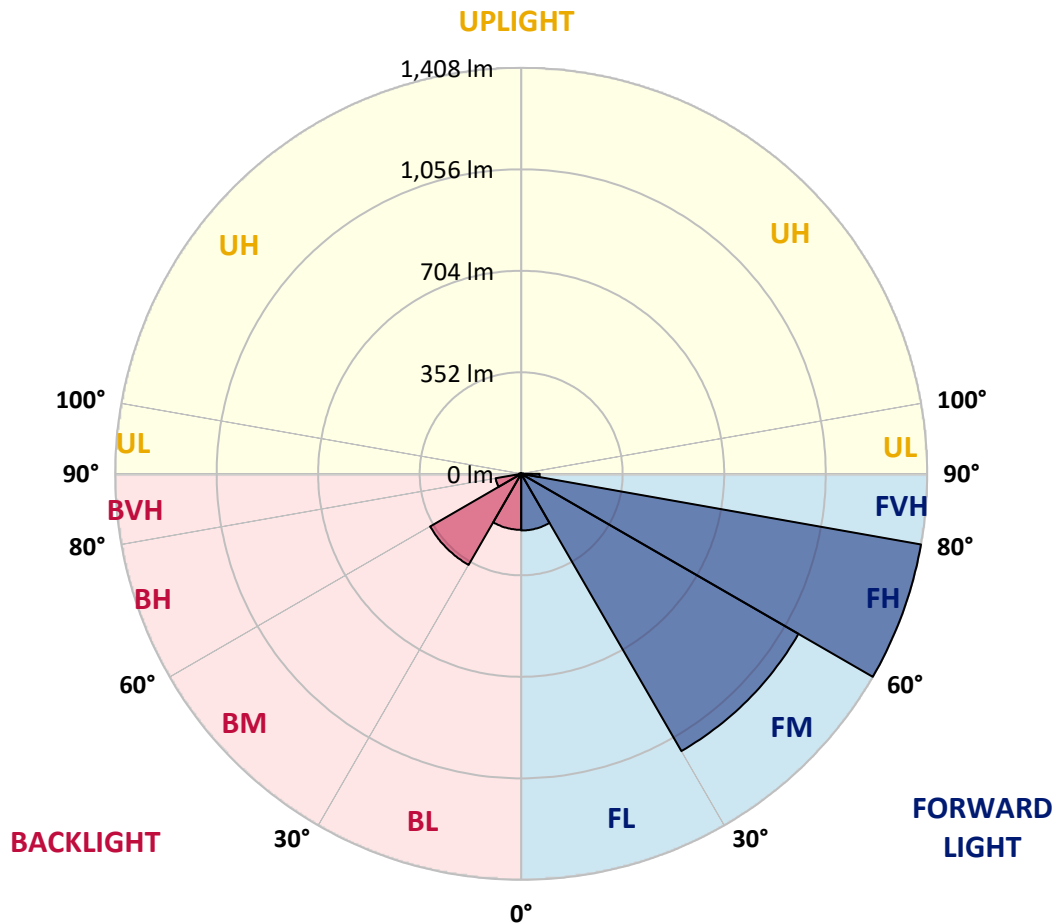
CATALOG NUMBER: CRTK2-C016-D-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	196.6	5.7			
FM	(30°-60°)	1110.0	32.3			
FH	(60°-80°)	1407.6	40.9			G1/1800
FVH	(80°-90°)	64.5	1.9			G1/100
BL	(0°-30°)	194.1	5.6	B1/500		
BM	(30°-60°)	364.7	10.6	B1/1000		
BH	(60°-80°)	89.9	2.6	B0/110		G0/110
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	7.5	0.2		U1/10	
UH	(100°-180°)	1.5	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6
2.5°	522.8	524.6	524.6	524.6	526.3	524.6	524.6	524.6	524.6	526.3	526.3
5°	509.1	509.1	509.1	510.8	510.8	509.1	507.4	509.1	509.1	510.8	510.8
7.5°	491.9	491.9	491.9	493.6	491.9	488.4	485.0	486.7	485.0	486.7	488.4
10°	471.2	473.0	473.0	471.2	469.5	464.4	459.2	460.9	459.2	460.9	460.9
12.5°	457.5	459.2	459.2	457.5	452.3	448.9	445.5	442.0	440.3	443.7	442.0
15°	450.6	452.3	452.3	450.6	447.2	443.7	436.9	435.1	431.7	430.0	431.7
17.5°	448.9	448.9	448.9	447.2	443.7	438.6	435.1	431.7	430.0	430.0	428.3
20°	450.6	454.1	452.3	450.6	447.2	443.7	438.6	433.4	433.4	433.4	431.7
22.5°	464.4	464.4	462.7	462.7	459.2	454.1	448.9	445.5	442.0	442.0	442.0
25°	478.1	479.8	479.8	478.1	473.0	466.1	464.4	459.2	457.5	455.8	454.1
27.5°	500.5	498.8	500.5	500.5	493.6	490.2	485.0	481.6	479.8	476.4	474.7
30°	526.3	526.3	526.3	526.3	521.1	514.2	510.8	505.6	500.5	500.5	497.0
32.5°	560.7	562.4	562.4	560.7	555.5	548.6	545.2	538.3	536.6	533.2	529.7
35°	608.8	608.8	608.8	605.4	598.5	593.4	589.9	584.8	583.0	577.9	569.3
37.5°	662.2	662.2	665.6	662.2	655.3	648.4	643.2	639.8	634.6	631.2	626.0
40°	724.1	724.1	725.8	720.6	713.8	710.3	705.2	698.3	694.8	693.1	682.8
42.5°	796.3	799.7	799.7	794.6	789.4	784.3	777.4	772.2	768.8	761.9	748.2
45°	884.0	882.3	885.7	880.6	877.1	875.4	865.1	853.1	854.8	839.3	823.8
47.5°	987.2	988.9	987.2	982.1	978.6	976.9	966.6	951.1	944.2	932.2	902.9
50°	1092.1	1093.8	1092.1	1088.7	1092.1	1081.8	1069.8	1056.0	1054.3	1038.8	994.1
52.5°	1207.4	1202.2	1200.5	1198.8	1195.3	1190.2	1178.1	1162.6	1164.4	1147.2	1076.7
55°	1322.6	1317.4	1308.8	1305.4	1302.0	1293.4	1283.0	1277.9	1276.2	1259.0	1164.4
57.5°	1432.7	1424.1	1412.0	1410.3	1405.1	1393.1	1388.0	1379.4	1379.4	1360.4	1228.0
60°	1537.6	1527.3	1513.5	1506.6	1498.0	1487.7	1486.0	1480.8	1482.5	1472.2	1296.8
62.5°	1633.9	1625.3	1608.1	1597.8	1584.0	1575.4	1577.1	1573.7	1580.6	1573.7	1357.0
65°	1750.8	1740.5	1719.9	1697.5	1678.6	1664.9	1659.7	1670.0	1699.3	1706.1	1437.8
67.5°	1824.8	1816.2	1785.2	1757.7	1731.9	1713.0	1718.2	1714.7	1730.2	1757.7	1451.6
70°	1685.5	1682.1	1651.1	1633.9	1615.0	1596.1	1597.8	1592.6	1604.7	1611.5	1331.2
72.5°	1470.5	1487.7	1448.1	1446.4	1434.4	1436.1	1417.2	1430.9	1422.3	1422.3	1178.1
75°	1229.7	1193.6	1181.6	1210.8	1193.6	1195.3	1191.9	1207.4	1205.6	1207.4	1025.1
77.5°	806.6	813.5	798.0	829.0	844.5	870.3	882.3	923.6	908.1	904.7	811.8
80°	361.2	369.8	371.5	400.7	419.7	445.5	436.9	466.1	447.2	416.2	397.3
82.5°	80.8	80.8	91.2	117.0	123.8	129.0	129.0	134.2	106.6	65.4	53.3
85°	55.0	53.3	72.2	98.0	103.2	99.8	96.3	89.4	61.9	18.9	15.5
87.5°	36.1	37.8	58.5	80.8	84.3	79.1	74.0	67.1	44.7	5.2	3.4
90°	24.1	27.5	44.7	61.9	61.9	58.5	53.3	44.7	27.5	1.7	1.7
92.5°	12.0	13.8	22.4	27.5	25.8	22.4	20.6	17.2	10.3	1.7	1.7
95°	6.9	6.9	10.3	10.3	10.3	8.6	8.6	6.9	3.4	1.7	1.7
97.5°	5.2	5.2	6.9	6.9	5.2	5.2	5.2	3.4	1.7	1.7	1.7
100°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
102.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
105°	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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CATALOG NUMBER: CRTK2-C016-D-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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	1.7
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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	1.7	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	1.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7
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	1.7	0.0	1.7	1.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0	1.7	1.7
175°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7	1.7	1.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6
2.5°	528.0	529.7	531.4	534.9	534.9	540.0	541.8	543.5	545.2	545.2
5°	514.2	516.0	521.1	524.6	529.7	533.2	538.3	540.0	541.8	543.5
7.5°	488.4	491.9	497.0	498.8	505.6	510.8	516.0	521.1	522.8	526.3
10°	462.7	464.4	466.1	471.2	474.7	481.6	488.4	491.9	495.3	495.3
12.5°	443.7	445.5	447.2	448.9	454.1	457.5	464.4	467.8	469.5	473.0
15°	431.7	431.7	435.1	435.1	438.6	443.7	447.2	452.3	454.1	457.5
17.5°	428.3	428.3	430.0	431.7	435.1	436.9	440.3	445.5	447.2	448.9
20°	430.0	431.7	431.7	433.4	436.9	438.6	442.0	443.7	445.5	447.2
22.5°	438.6	436.9	438.6	438.6	440.3	443.7	447.2	450.6	452.3	452.3
25°	450.6	448.9	448.9	452.3	454.1	455.8	460.9	462.7	464.4	464.4
27.5°	471.2	469.5	471.2	471.2	473.0	473.0	478.1	478.1	479.8	481.6
30°	491.9	486.7	486.7	486.7	488.4	491.9	493.6	497.0	498.8	498.8
32.5°	522.8	512.5	510.8	512.5	512.5	514.2	519.4	517.7	521.1	519.4
35°	562.4	552.1	548.6	548.6	548.6	548.6	553.8	550.4	553.8	552.1
37.5°	610.6	596.8	595.1	595.1	591.6	593.4	595.1	591.6	589.9	591.6
40°	662.2	638.1	636.4	638.1	638.1	638.1	638.1	636.4	634.6	636.4
42.5°	638.1	541.8	553.8	571.0	588.2	608.8	614.0	627.8	629.5	629.5
45°	557.2	313.0	330.2	356.0	366.3	373.2	392.1	421.4	430.0	431.7
47.5°	491.9	104.9	111.8	122.1	139.3	147.9	149.6	170.3	178.9	161.7
50°	486.7	24.1	17.2	17.2	18.9	15.5	15.5	17.2	17.2	17.2
52.5°	531.4	22.4	15.5	13.8	13.8	13.8	12.0	13.8	13.8	13.8
55°	577.9	22.4	15.5	13.8	13.8	13.8	12.0	12.0	12.0	12.0
57.5°	615.7	22.4	15.5	13.8	13.8	12.0	10.3	10.3	10.3	10.3
60°	660.4	22.4	15.5	13.8	13.8	10.3	8.6	8.6	8.6	8.6
62.5°	698.3	24.1	15.5	13.8	12.0	8.6	8.6	8.6	8.6	8.6
65°	753.3	24.1	15.5	12.0	8.6	6.9	6.9	6.9	6.9	6.9
67.5°	779.1	24.1	13.8	10.3	6.9	5.2	5.2	5.2	5.2	5.2
70°	701.7	18.9	10.3	6.9	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	600.2	13.8	6.9	5.2	3.4	3.4	3.4	3.4	3.4	1.7
75°	478.1	8.6	3.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0
77.5°	335.4	6.9	3.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0
80°	139.3	5.2	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.6	3.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C016-D-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.7	1.7	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
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	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
145°	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
150°	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	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
157.5°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.7	1.7	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

(END OF REPORT)