

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: P691993

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8972 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 79
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

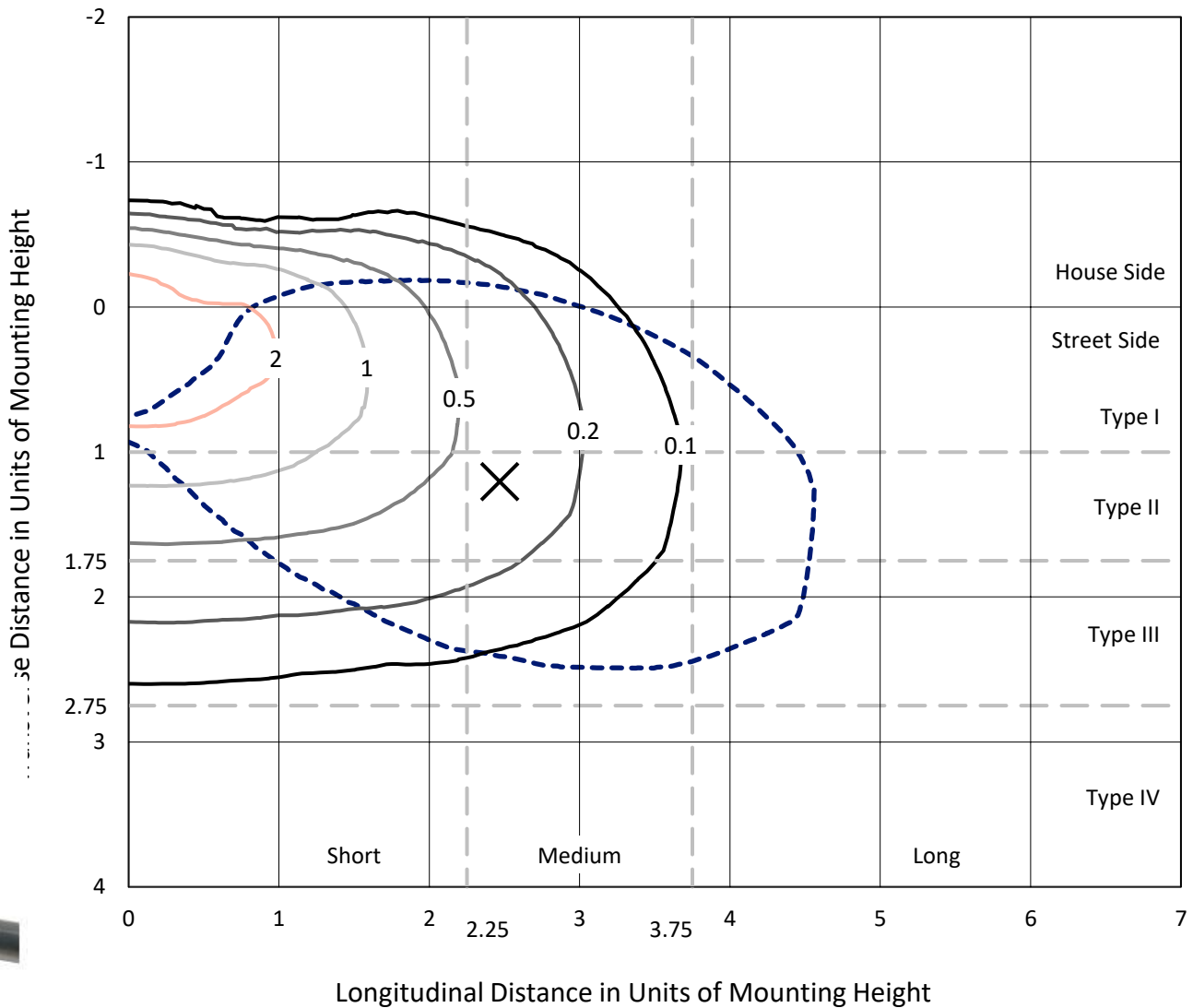


REPORT NUMBER: P691993

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

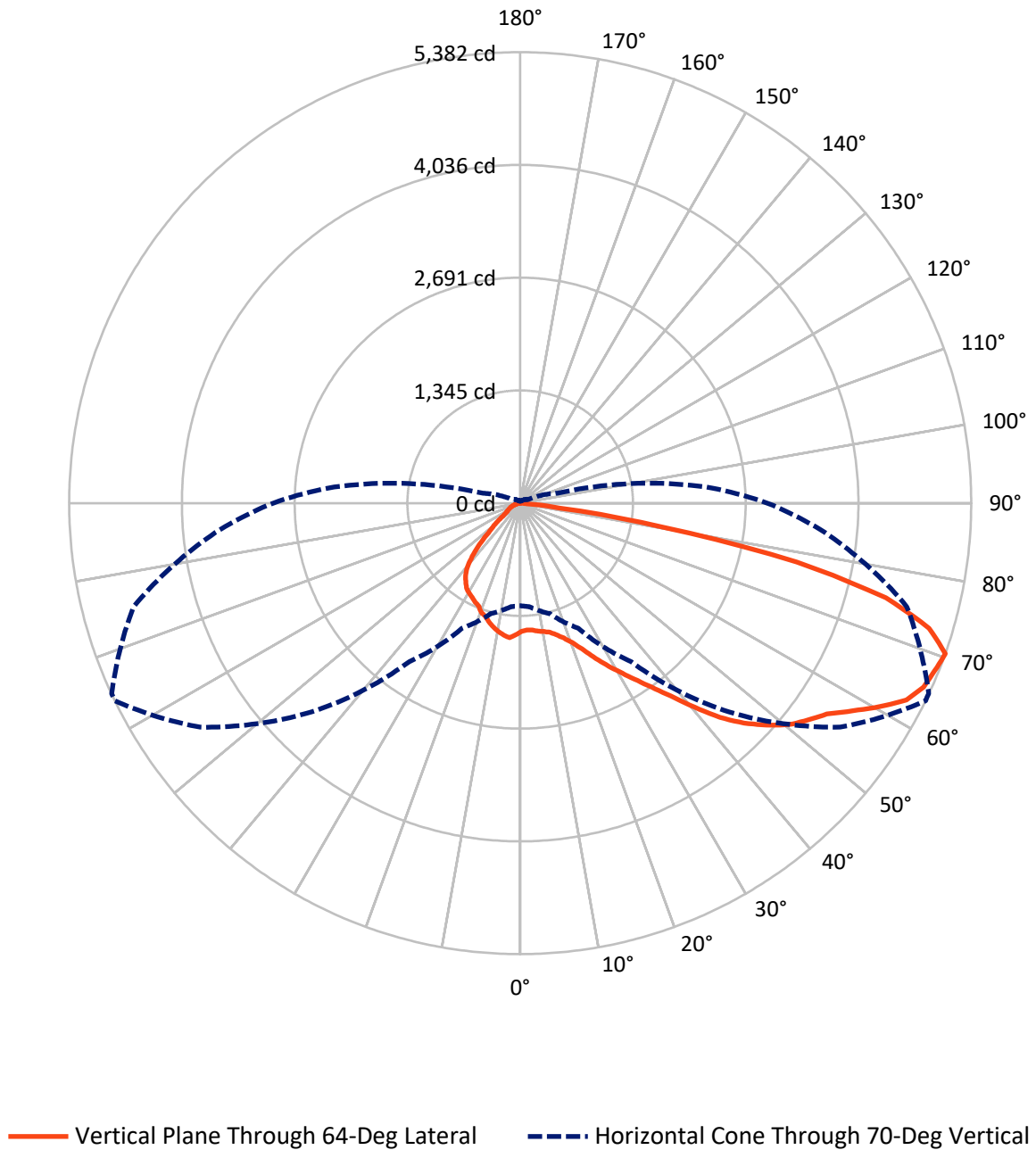


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P691993

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691993

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-U0-HSS-CRTK2

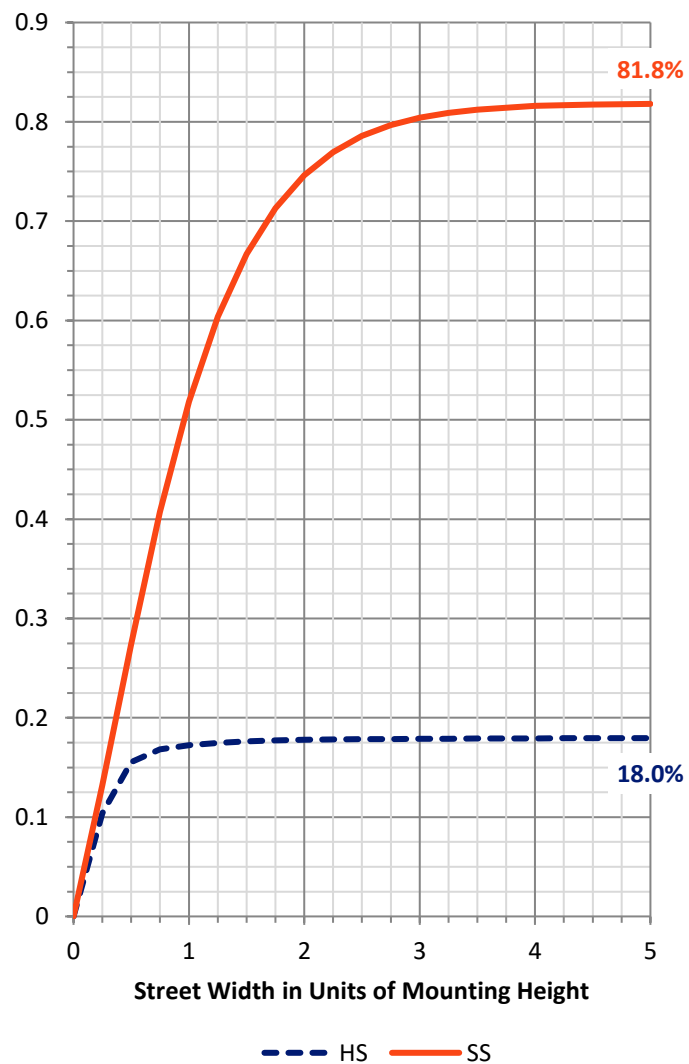
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1630.6	0.0	1630.6
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	7341.4	0.0	7341.4
	% Fixture	81.8	0.0	81.8
Total	Lumens	8972.0	0.0	8972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	1.7
10°-20°	441.7	4.9
20°-30°	744.2	8.3
30°-40°	1095.2	12.2
40°-50°	1501.9	16.7
50°-60°	1827.4	20.4
60°-70°	1940.2	21.6
70°-80°	1189.3	13.3
80°-90°	83.0	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	8972.0	100.0
0°-180°	8972.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691993

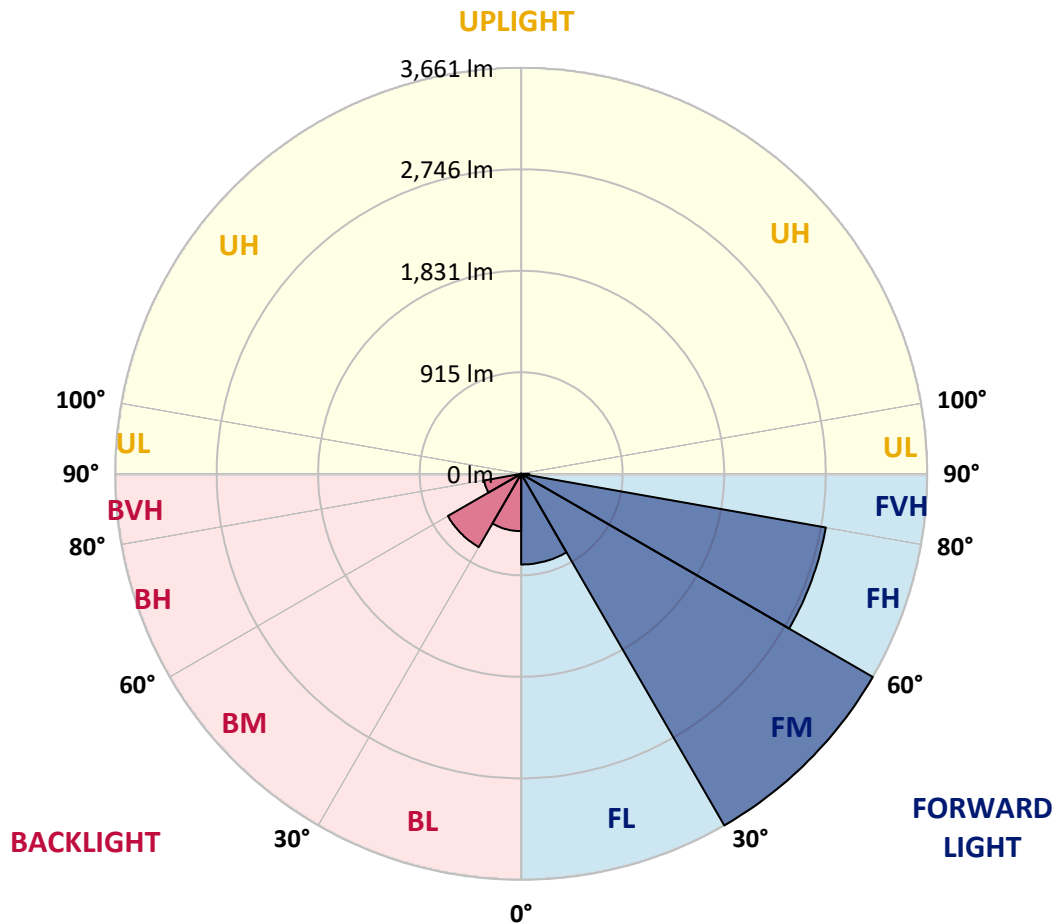
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	817.8	9.1			
FM	(30°-60°)	3661.2	40.8			
FH	(60°-80°)	2790.0	31.1			G2/5000
FVH	(80°-90°)	72.4	0.8			G1/100
BL	(0°-30°)	517.3	5.8	B2/1000		
BM	(30°-60°)	763.2	8.5	B1/1000		
BH	(60°-80°)	339.5	3.8	B1/500		G1/500
BVH	(80°-90°)	10.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



REPORT NUMBER: P691993

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0
2.5°	1515.5	1515.5	1518.8	1515.5	1522.1	1512.2	1515.5	1515.5	1515.5	1518.8	1528.7
5°	1561.6	1561.6	1555.0	1545.1	1535.3	1522.1	1522.1	1522.1	1522.1	1528.7	1551.7
7.5°	1591.1	1587.9	1587.9	1587.9	1578.0	1551.7	1545.1	1541.8	1541.8	1541.8	1564.8
10°	1663.5	1653.6	1640.5	1620.7	1610.9	1587.9	1561.6	1558.3	1558.3	1561.6	1591.1
12.5°	1732.5	1722.6	1722.6	1709.5	1670.0	1643.7	1597.7	1581.3	1581.3	1587.9	1604.3
15°	1847.6	1837.7	1811.4	1788.4	1752.2	1706.2	1660.2	1630.6	1627.3	1640.5	1617.4
17.5°	1929.8	1913.3	1916.6	1880.4	1850.9	1785.1	1739.1	1693.1	1693.1	1706.2	1660.2
20°	2008.7	2008.7	2011.9	2008.7	1959.3	1906.7	1831.1	1775.2	1778.5	1781.8	1709.5
22.5°	2127.0	2123.7	2123.7	2127.0	2094.1	2035.0	1952.8	1890.3	1887.0	1860.7	1772.0
25°	2265.1	2258.5	2245.4	2258.5	2242.1	2173.0	2094.1	2031.7	2021.8	1985.6	1864.0
27.5°	2380.1	2380.1	2380.1	2386.7	2386.7	2337.4	2248.6	2182.9	2189.5	2140.2	1972.5
30°	2462.3	2462.3	2491.9	2505.1	2514.9	2498.5	2403.2	2334.1	2347.3	2288.1	2107.3
32.5°	2551.1	2547.8	2587.3	2616.8	2630.0	2636.6	2557.7	2501.8	2505.1	2452.5	2261.8
35°	2633.3	2626.7	2679.3	2741.8	2774.6	2768.1	2712.2	2692.5	2699.0	2682.6	2472.2
37.5°	2692.5	2702.3	2771.4	2853.5	2906.1	2919.3	2883.1	2919.3	2955.5	2978.5	2745.1
40°	2758.2	2758.2	2824.0	2912.7	2994.9	3044.2	3070.5	3202.0	3231.6	3248.0	2906.1
42.5°	2692.5	2715.5	2853.5	2981.8	3090.2	3165.9	3274.3	3494.6	3527.5	3425.6	3119.8
45°	2636.6	2656.3	2794.4	3011.3	3169.1	3317.1	3514.3	3744.5	3777.3	3603.1	3241.5
47.5°	2580.7	2603.7	2748.3	2988.3	3241.5	3484.7	3708.3	3958.1	3974.6	3757.6	3402.6
50°	2518.2	2541.2	2692.5	2958.7	3284.2	3665.6	3899.0	4155.4	4158.7	3892.4	3484.7
52.5°	2439.3	2468.9	2620.1	2916.0	3320.4	3787.2	4069.9	4300.0	4280.3	4056.8	3583.4
55°	2340.7	2373.6	2541.2	2860.1	3340.1	3866.1	4181.7	4441.4	4428.3	4247.4	3711.6
57.5°	2228.9	2265.1	2439.3	2774.6	3333.5	3905.5	4296.8	4674.8	4681.4	4405.2	3806.9
60°	2100.7	2133.6	2298.0	2662.9	3248.0	3977.9	4543.3	4931.2	4954.3	4579.5	3846.4
62.5°	1933.0	1962.6	2120.4	2498.5	3139.6	4030.5	4730.7	5174.5	5164.7	4697.8	3859.5
65°	1722.6	1755.5	1903.5	2281.5	2968.6	3997.6	4789.9	5289.6	5289.6	4783.3	3849.7
67.5°	1509.0	1538.5	1663.5	2005.4	2692.5	3833.2	4753.7	5335.6	5365.2	4839.2	3760.9
70°	1222.9	1239.4	1364.3	1647.0	2307.8	3524.2	4661.7	5381.6	5378.3	4776.7	3593.2
72.5°	897.5	917.2	1019.1	1236.1	1785.1	3050.8	4372.4	5102.2	5049.6	4441.4	3267.8
75°	463.5	483.3	562.2	775.8	1137.5	2153.3	3728.0	4507.2	4497.3	3931.8	2705.6
77.5°	62.5	62.5	72.3	128.2	263.0	858.0	2442.6	3376.3	3356.5	2998.2	1965.9
80°	42.7	42.7	49.3	59.2	75.6	187.4	861.3	1712.8	1742.4	1545.1	881.0
82.5°	32.9	29.6	36.2	42.7	46.0	85.5	263.0	473.4	480.0	430.7	269.6
85°	19.7	19.7	19.7	19.7	16.4	23.0	59.2	78.9	88.8	85.5	69.0
87.5°	9.9	9.9	9.9	6.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691993

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0	1532.0
2.5°	1532.0	1541.8	1555.0	1571.4	1587.9	1601.0	1614.2	1620.7	1627.3	1630.6	1633.9
5°	1558.3	1571.4	1587.9	1610.9	1610.9	1601.0	1594.4	1594.4	1601.0	1610.9	1614.2
7.5°	1584.6	1597.7	1591.1	1587.9	1591.1	1578.0	1561.6	1551.7	1545.1	1545.1	1551.7
10°	1594.4	1581.3	1574.7	1558.3	1525.4	1518.8	1505.7	1479.4	1472.8	1479.4	1456.4
12.5°	1587.9	1578.0	1545.1	1518.8	1485.9	1430.1	1397.2	1397.2	1380.7	1377.5	1380.7
15°	1604.3	1571.4	1532.0	1476.1	1416.9	1370.9	1318.3	1272.3	1259.1	1262.4	1262.4
17.5°	1617.4	1584.6	1505.7	1420.2	1367.6	1285.4	1226.2	1199.9	1176.9	1173.6	1173.6
20°	1647.0	1601.0	1489.2	1397.2	1265.7	1203.2	1137.5	1104.6	1068.4	1019.1	1002.7
22.5°	1693.1	1630.6	1479.4	1334.7	1219.7	1121.0	1025.7	927.1	867.9	828.4	838.3
25°	1755.5	1686.5	1489.2	1311.7	1150.6	1025.7	900.8	766.0	677.2	650.9	667.4
27.5°	1867.3	1748.9	1518.8	1278.8	1101.3	913.9	726.5	608.2	526.0	499.7	509.6
30°	1969.2	1844.3	1522.1	1259.1	1022.4	782.4	572.0	440.5	374.8	335.3	325.5
32.5°	2153.3	1946.2	1604.3	1232.8	940.2	637.8	420.8	292.6	233.4	210.4	203.8
35°	2334.1	2127.0	1627.3	1183.5	789.0	473.4	259.7	174.2	141.4	124.9	121.6
37.5°	2584.0	2347.3	1722.6	1130.9	637.8	289.3	157.8	105.2	98.6	95.3	95.3
40°	2708.9	2462.3	1801.5	1055.3	447.1	164.4	101.9	92.0	88.8	85.5	85.5
42.5°	2886.4	2593.8	1867.3	920.5	263.0	108.5	92.0	85.5	82.2	78.9	78.9
45°	2985.0	2662.9	1850.9	756.1	131.5	101.9	88.8	82.2	75.6	75.6	75.6
47.5°	3116.5	2764.8	1808.1	558.9	118.3	98.6	85.5	78.9	75.6	78.9	75.6
50°	3241.5	2863.4	1689.8	443.8	115.1	95.3	85.5	75.6	75.6	75.6	75.6
52.5°	3310.5	2955.5	1541.8	325.5	118.3	95.3	82.2	75.6	75.6	72.3	75.6
55°	3376.3	2968.6	1423.5	236.7	118.3	92.0	78.9	72.3	69.0	65.7	65.7
57.5°	3422.3	2939.0	1328.1	197.2	118.3	92.0	75.6	69.0	59.2	55.9	55.9
60°	3409.1	2866.7	1249.2	180.8	111.8	85.5	69.0	59.2	52.6	46.0	46.0
62.5°	3373.0	2824.0	1104.6	157.8	101.9	78.9	62.5	49.3	42.7	39.4	39.4
65°	3340.1	2689.2	936.9	141.4	95.3	69.0	52.6	42.7	36.2	32.9	32.9
67.5°	3182.3	2511.6	696.9	121.6	85.5	62.5	46.0	39.4	32.9	29.6	26.3
70°	2948.9	2225.6	457.0	105.2	75.6	52.6	39.4	32.9	26.3	23.0	23.0
72.5°	2551.1	1837.7	236.7	85.5	62.5	46.0	36.2	29.6	23.0	19.7	19.7
75°	2071.1	1351.2	141.4	65.7	49.3	39.4	29.6	23.0	19.7	16.4	16.4
77.5°	1433.3	746.3	101.9	49.3	32.9	29.6	23.0	19.7	16.4	13.1	13.1
80°	483.3	203.8	72.3	36.2	23.0	23.0	16.4	13.1	13.1	9.9	9.9
82.5°	190.7	124.9	49.3	26.3	19.7	16.4	13.1	9.9	9.9	9.9	9.9
85°	52.6	36.2	19.7	13.1	9.9	9.9	9.9	6.6	6.6	6.6	6.6
87.5°	3.3	6.6	6.6	6.6	6.6	6.6	3.3	3.3	3.3	3.3	3.3
90°	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)