

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: P691201

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4199 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.7
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

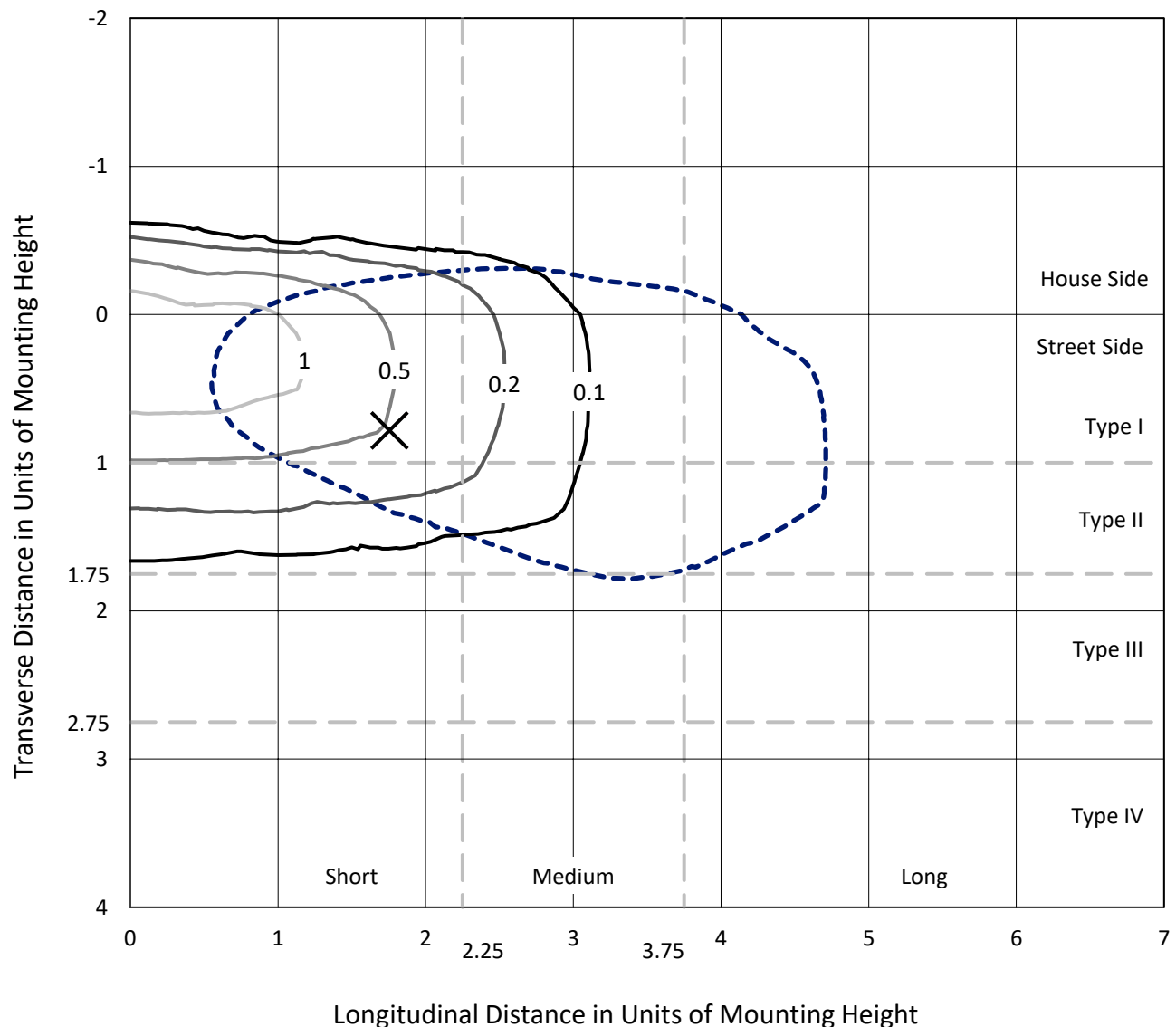


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Iso-Footcandle Lines of Horizontal Illumination

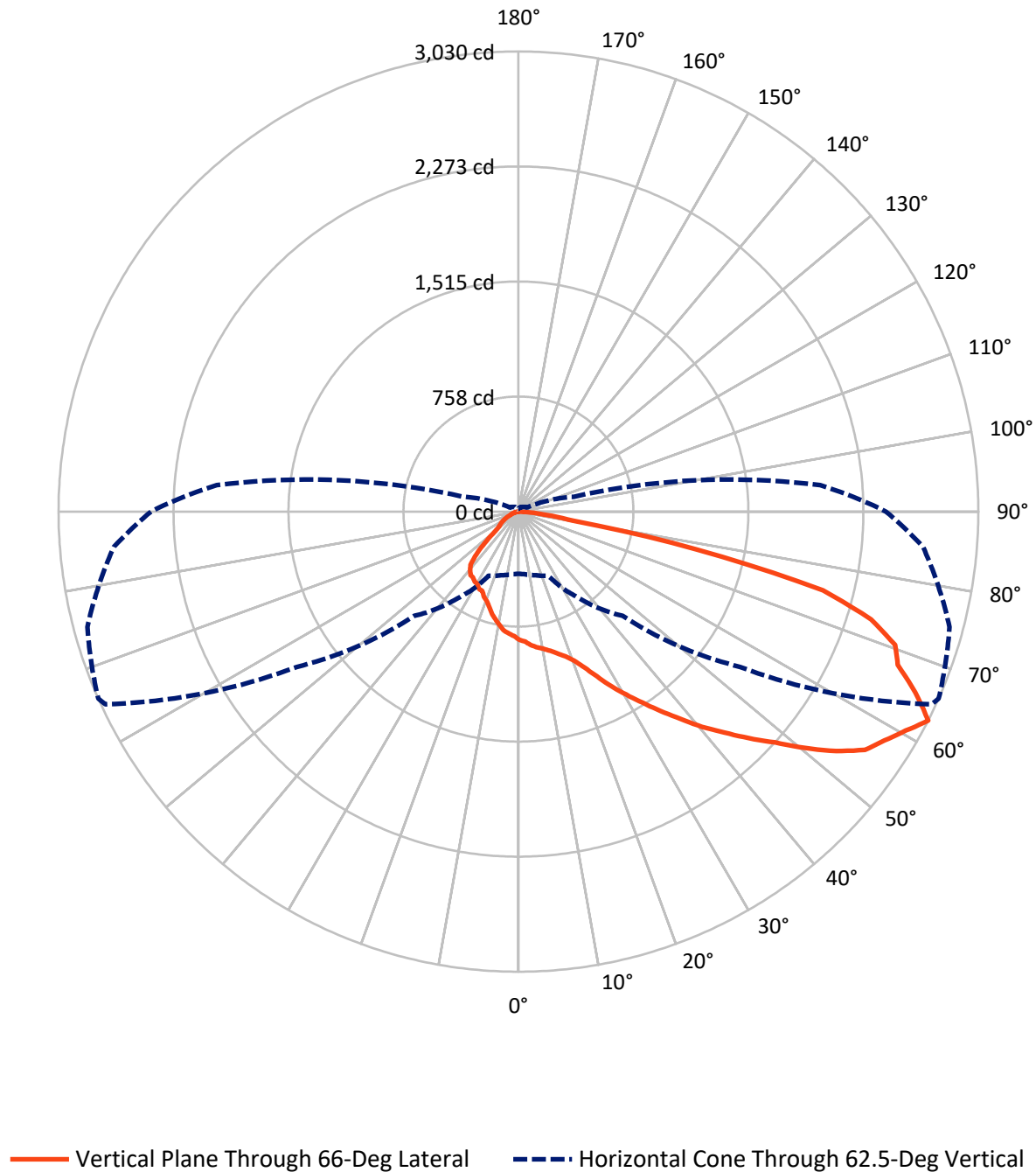
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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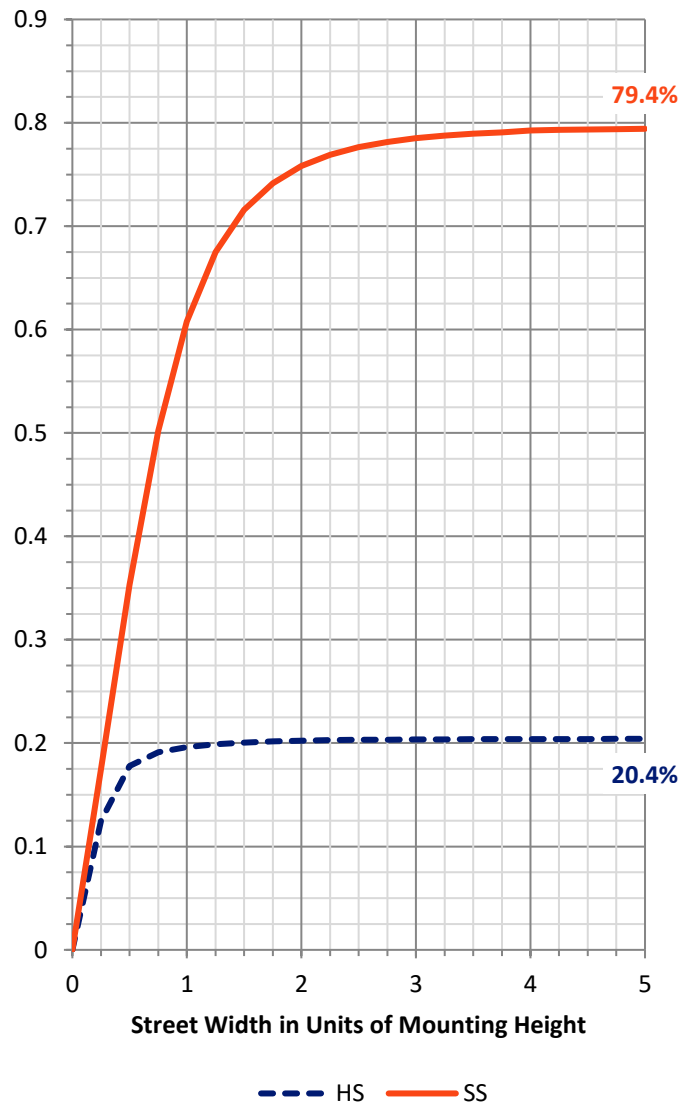
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	867.4	0.0	867.4
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	3331.6	0.0	3331.6
	% Fixture	79.3	0.0	79.3
Total	Lumens	4199.0	0.0	4199.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	1.9
10°-20°	227.3	5.4
20°-30°	372.9	8.9
30°-40°	548.7	13.1
40°-50°	723.6	17.2
50°-60°	842.4	20.1
60°-70°	837.1	19.9
70°-80°	517.8	12.3
80°-90°	49.5	1.2
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°	4199.0	100.0
0°-180°	4199.0	100.0

Coefficient of Utilization



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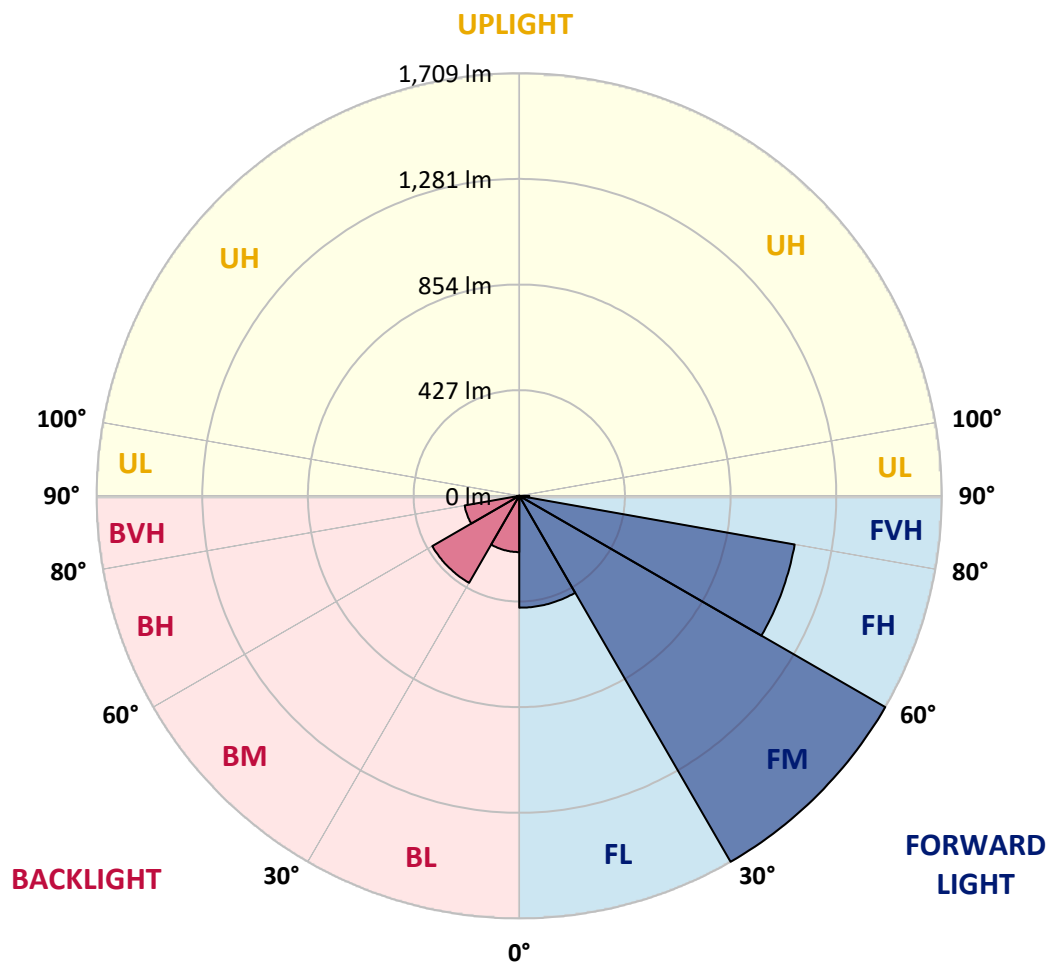
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	452.5	10.8			
FM	(30°-60°)	1708.5	40.7			
FH	(60°-80°)	1130.6	26.9			G1/1800
FVH	(80°-90°)	40.0	1.0			G1/100
BL	(0°-30°)	227.5	5.4	B1/500		
BM	(30°-60°)	406.2	9.7	B1/1000		
BH	(60°-80°)	224.2	5.3	B1/500		G1/500
BVH	(80°-90°)	9.5	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0
2.5°	892.5	892.5	890.9	879.8	875.1	868.7	864.0	859.2	857.6	852.9	845.0
5°	944.7	943.1	943.1	933.6	924.1	911.4	898.8	886.1	884.5	871.9	854.5
7.5°	974.7	974.7	971.6	965.2	958.9	951.0	932.0	905.1	903.5	886.1	862.4
10°	982.7	984.2	990.6	974.7	970.0	962.1	952.6	924.1	919.4	894.0	856.1
12.5°	1011.1	1011.1	1009.6	995.3	990.6	984.2	968.4	946.3	941.5	909.9	857.6
15°	1045.9	1047.5	1042.8	1030.1	1023.8	1015.9	995.3	971.6	970.0	928.9	870.3
17.5°	1063.4	1063.4	1066.5	1049.1	1050.7	1047.5	1038.0	1004.8	1003.2	965.2	892.5
20°	1069.7	1071.3	1072.8	1072.8	1074.4	1071.3	1080.8	1052.3	1047.5	1004.8	922.5
22.5°	1098.2	1101.3	1109.2	1104.5	1112.4	1117.2	1120.3	1121.9	1115.6	1071.3	973.2
25°	1110.8	1118.7	1129.8	1147.2	1159.9	1169.4	1193.1	1204.2	1202.6	1164.6	1057.0
27.5°	1091.8	1101.3	1139.3	1169.4	1213.7	1239.0	1283.3	1297.5	1302.3	1267.5	1147.2
30°	1117.2	1120.3	1137.7	1175.7	1231.1	1307.0	1367.2	1398.8	1398.8	1371.9	1235.8
32.5°	1077.6	1087.1	1137.7	1207.3	1292.8	1375.1	1432.0	1500.1	1500.1	1487.4	1362.4
35°	1072.8	1077.6	1107.7	1185.2	1294.4	1444.7	1520.7	1601.4	1612.4	1614.0	1487.4
37.5°	1028.5	1038.0	1091.8	1191.5	1341.8	1487.4	1593.4	1718.5	1731.1	1748.5	1591.9
40°	979.5	982.7	1030.1	1134.6	1330.8	1542.8	1663.1	1849.8	1864.0	1887.8	1731.1
42.5°	906.7	919.4	998.5	1112.4	1326.0	1560.2	1740.6	1973.2	1989.0	2022.3	1846.6
45°	841.8	846.6	905.1	1031.7	1273.8	1585.5	1800.7	2118.8	2128.3	2148.9	1943.1
47.5°	789.6	792.8	851.3	960.5	1224.8	1579.2	1859.3	2250.1	2272.3	2303.9	2057.1
50°	632.9	650.4	795.9	902.0	1139.3	1568.1	1905.2	2414.7	2447.9	2460.6	2188.4
52.5°	539.6	542.8	618.7	843.4	1050.7	1520.7	1949.5	2582.4	2620.4	2585.6	2346.7
55°	500.0	503.2	538.0	726.3	976.3	1428.9	1982.7	2743.8	2770.7	2685.3	2465.3
57.5°	474.7	481.0	496.9	590.2	887.7	1275.4	1989.0	2832.4	2843.5	2764.4	2525.5
60°	439.9	439.9	471.5	515.9	791.2	1110.8	1936.8	2876.7	2930.5	2854.6	2636.2
62.5°	409.8	413.0	433.6	466.8	696.2	971.6	1783.3	3003.3	3030.2	2940.0	2675.8
65°	375.0	378.2	397.2	430.4	632.9	894.0	1701.0	2952.7	2873.6	2917.9	2724.8
67.5°	335.5	337.0	356.0	386.1	531.7	824.4	1503.3	2759.7	2694.8	2813.5	2588.8
70°	295.9	295.9	311.7	335.5	433.6	723.1	1242.2	2584.0	2633.1	2639.4	2454.3
72.5°	246.8	248.4	264.3	284.8	348.1	604.5	982.7	2408.4	2430.5	2346.7	2158.4
75°	177.2	183.6	201.0	221.5	275.3	479.5	697.8	1957.4	2072.9	2221.6	1854.5
77.5°	26.9	26.9	33.2	50.6	90.2	240.5	322.8	1080.8	1199.4	1859.3	1620.3
80°	22.2	22.2	23.7	33.2	52.2	134.5	104.4	338.6	363.9	854.5	913.0
82.5°	11.1	11.1	17.4	23.7	31.6	39.6	44.3	163.0	188.3	291.2	363.9
85°	6.3	6.3	7.9	11.1	12.7	12.7	14.2	77.5	80.7	158.2	164.6
87.5°	1.6	1.6	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
90°	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°	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0
2.5°	841.8	837.1	827.6	819.7	814.9	805.4	797.5	791.2	788.0	795.9	797.5
5°	843.4	832.3	814.9	803.8	791.2	775.4	756.4	745.3	740.5	742.1	746.9
7.5°	846.6	830.7	810.2	786.4	753.2	721.6	699.4	686.7	680.4	688.3	688.3
10°	837.1	819.7	791.2	754.8	712.1	680.4	655.1	632.9	625.0	628.2	629.8
12.5°	837.1	813.3	765.9	721.6	682.0	629.8	591.8	571.2	563.3	564.9	568.1
15°	841.8	810.2	743.7	689.9	631.4	576.0	542.8	517.4	509.5	501.6	504.8
17.5°	857.6	805.4	732.6	647.2	582.3	530.1	484.2	455.7	449.4	449.4	451.0
20°	873.5	811.8	713.6	615.5	538.0	473.1	425.7	405.1	390.8	384.5	390.8
22.5°	906.7	833.9	701.0	595.0	492.1	430.4	386.1	340.2	314.9	303.8	307.0
25°	966.8	873.5	710.5	558.6	466.8	390.8	329.1	273.7	238.9	227.9	231.0
27.5°	1060.2	938.3	721.6	555.4	420.9	351.3	267.4	207.3	180.4	169.3	172.5
30°	1152.0	1027.0	758.0	523.8	403.5	288.0	202.5	159.8	132.9	121.8	125.0
32.5°	1231.1	1112.4	803.8	515.9	357.6	216.8	151.9	118.7	98.1	88.6	90.2
35°	1348.2	1185.2	843.4	492.1	303.8	163.0	110.8	85.4	74.4	71.2	71.2
37.5°	1452.6	1270.6	881.4	484.2	227.9	121.8	79.1	69.6	68.0	63.3	63.3
40°	1561.8	1360.8	898.8	455.7	166.1	85.4	64.9	64.9	63.3	58.5	58.5
42.5°	1690.0	1452.6	914.6	422.5	118.7	64.9	60.1	61.7	60.1	55.4	53.8
45°	1781.7	1509.6	919.4	338.6	82.3	61.7	57.0	58.5	57.0	53.8	52.2
47.5°	1865.6	1591.9	898.8	237.4	66.5	58.5	55.4	55.4	55.4	50.6	49.1
50°	1952.6	1659.9	881.4	128.2	64.9	57.0	52.2	50.6	52.2	49.1	47.5
52.5°	2068.2	1712.1	835.5	87.0	63.3	55.4	50.6	47.5	49.1	45.9	47.5
55°	2221.6	1849.8	751.6	82.3	63.3	53.8	49.1	44.3	44.3	42.7	42.7
57.5°	2291.3	1902.0	617.1	79.1	61.7	53.8	45.9	41.1	38.0	36.4	34.8
60°	2376.7	1978.0	476.3	72.8	57.0	50.6	41.1	36.4	31.6	30.1	30.1
62.5°	2421.0	1995.4	376.6	64.9	52.2	44.3	36.4	30.1	25.3	22.2	22.2
65°	2446.3	1985.9	262.7	58.5	45.9	39.6	31.6	25.3	19.0	17.4	15.8
67.5°	2360.9	1928.9	153.5	50.6	39.6	34.8	26.9	20.6	15.8	14.2	12.7
70°	2190.0	1754.8	96.5	44.3	34.8	30.1	23.7	17.4	12.7	11.1	11.1
72.5°	2006.4	1414.6	66.5	34.8	26.9	23.7	17.4	14.2	11.1	7.9	7.9
75°	1805.5	1227.9	49.1	25.3	19.0	17.4	14.2	11.1	9.5	6.3	6.3
77.5°	1280.1	813.3	39.6	19.0	12.7	11.1	9.5	7.9	6.3	6.3	4.7
80°	756.4	397.2	30.1	12.7	9.5	7.9	6.3	6.3	4.7	4.7	4.7
82.5°	283.2	151.9	20.6	9.5	6.3	6.3	4.7	4.7	3.2	3.2	3.2
85°	102.9	38.0	9.5	4.7	4.7	3.2	3.2	3.2	3.2	3.2	3.2
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)