

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: P690958

Luminaire Tested: **CRTK2-C01-D-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T3-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8235 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

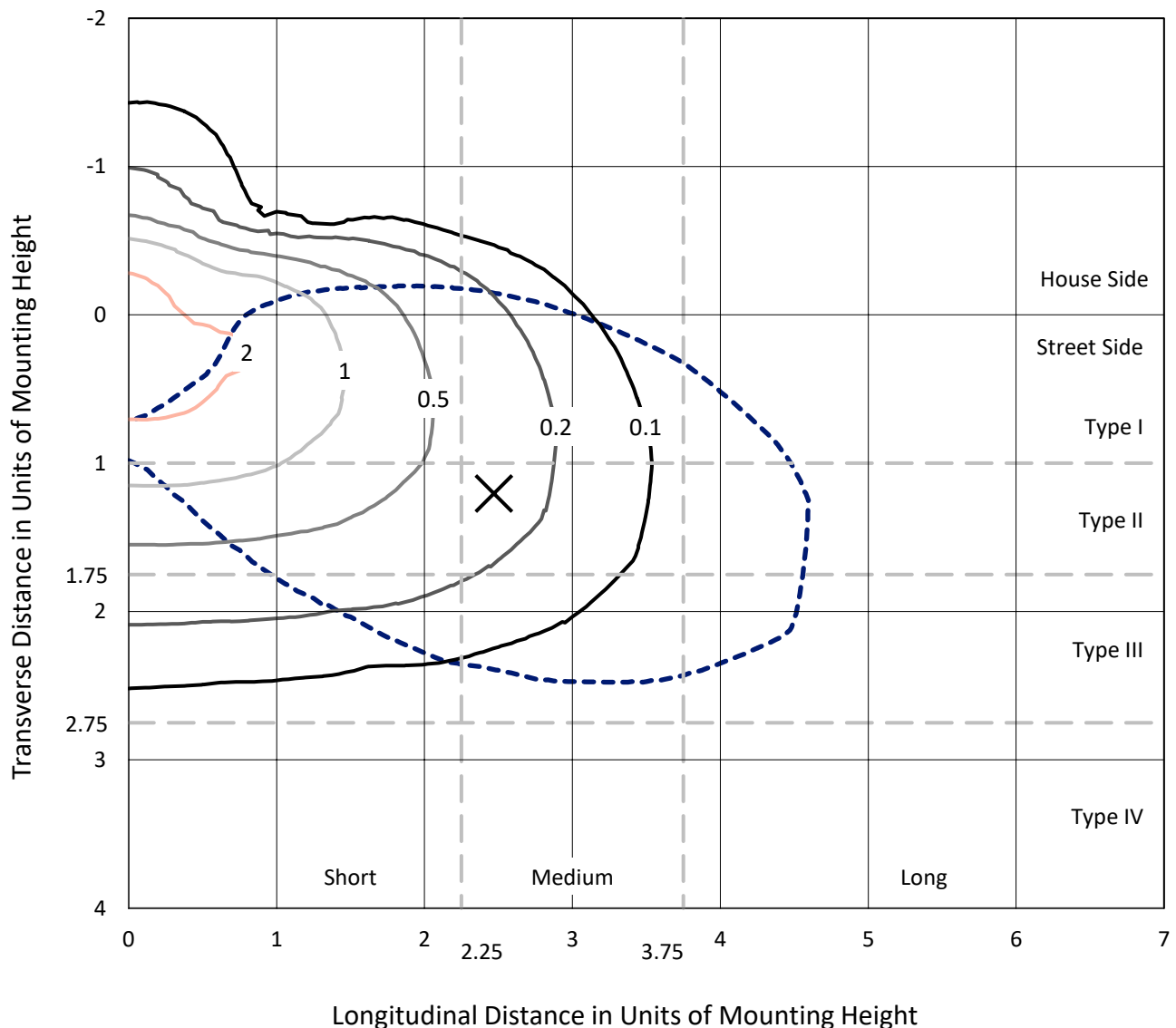
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

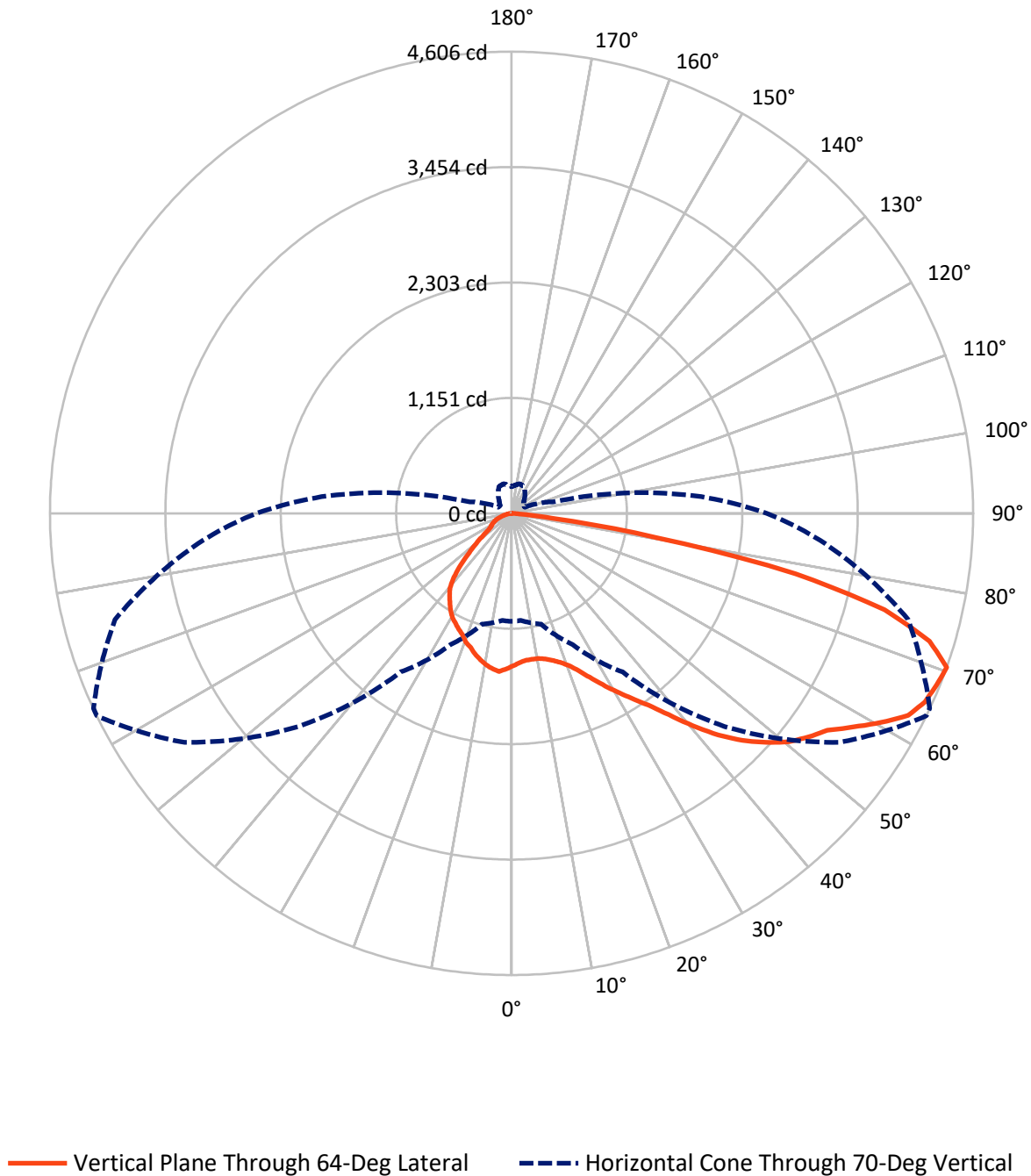
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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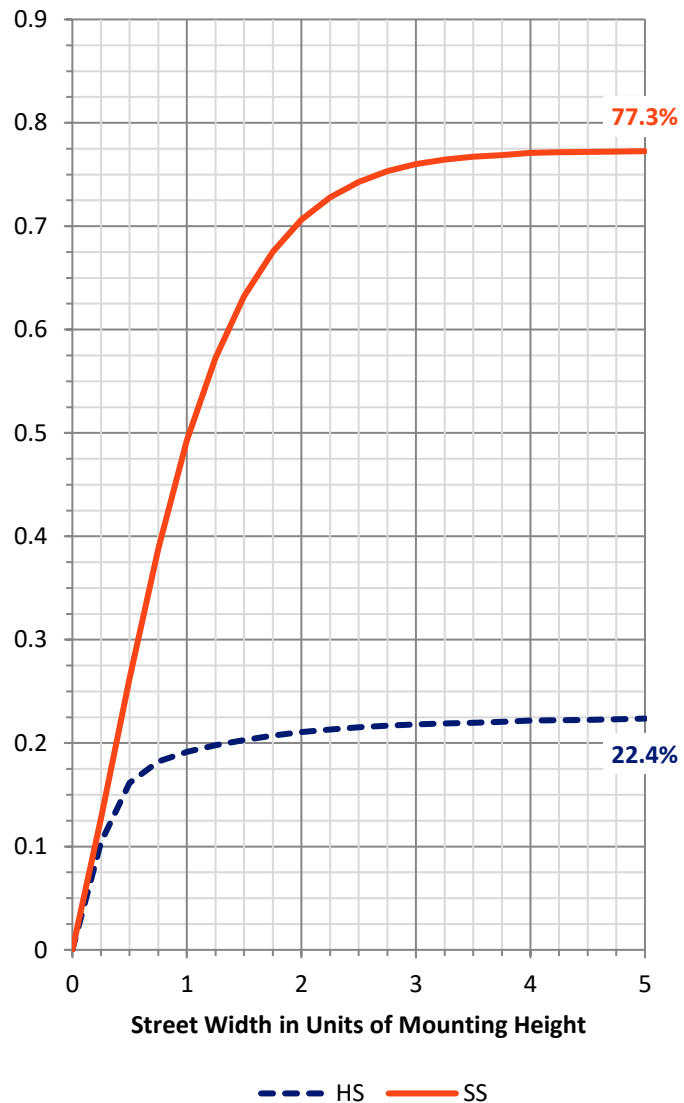
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1870.7	0.0	1870.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6364.3	0.0	6364.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	8235.0	0.0	8235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	1.8
10°-20°	429.5	5.2
20°-30°	712.8	8.7
30°-40°	1019.7	12.4
40°-50°	1361.7	16.5
50°-60°	1645.6	20.0
60°-70°	1751.3	21.3
70°-80°	1075.9	13.1
80°-90°	92.1	1.1
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°	8235.0	100.0
0°-180°	8235.0	100.0

Coefficient of Utilization



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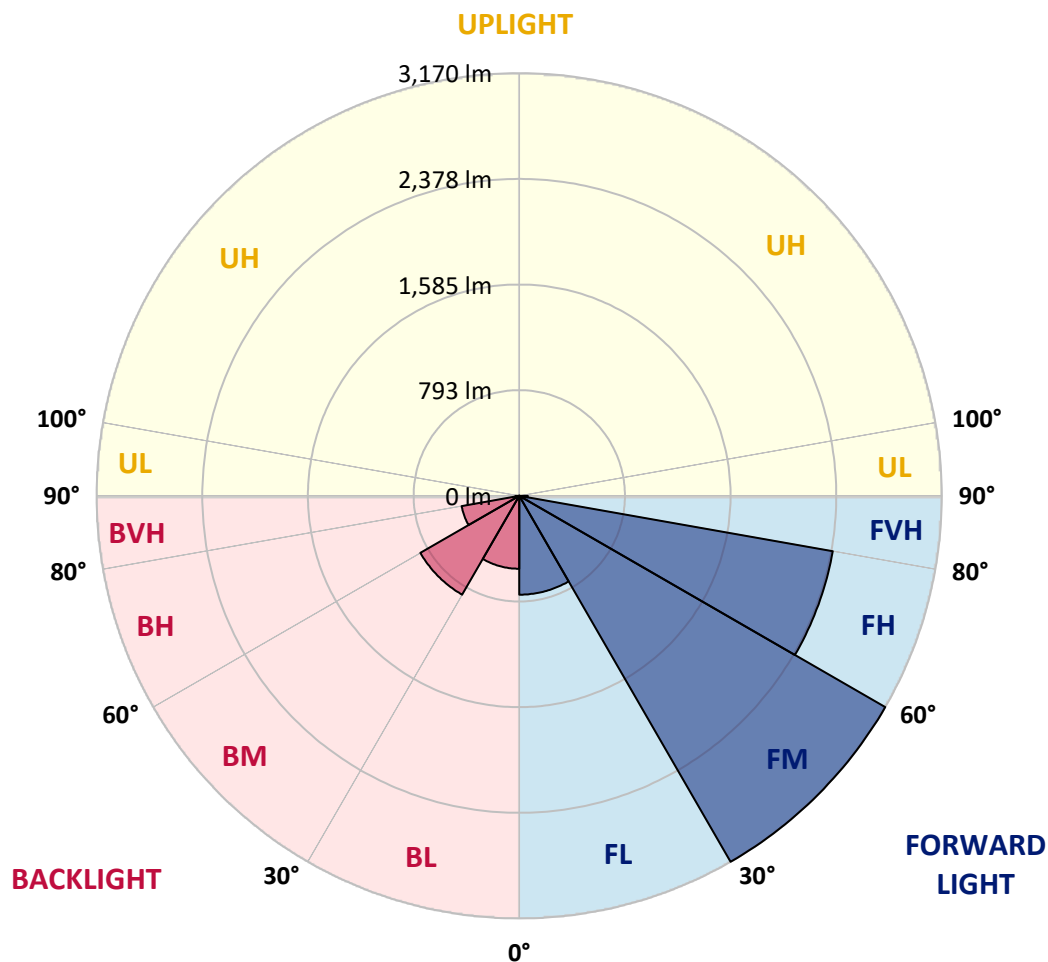
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	741.5	9.0			
FM	(30°-60°)	3170.3	38.5			
FH	(60°-80°)	2388.4	29.0			G2/5000
FVH	(80°-90°)	64.0	0.8			G1/100
BL	(0°-30°)	547.3	6.6	B2/1000		
BM	(30°-60°)	856.5	10.4	B1/1000		
BH	(60°-80°)	438.7	5.3	B1/500		G1/500
BVH	(80°-90°)	28.1	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1
2.5°	1486.7	1486.7	1486.7	1486.7	1489.5	1492.3	1489.5	1492.3	1492.3	1497.9	1506.3
5°	1511.9	1511.9	1506.3	1495.1	1486.7	1475.5	1469.9	1472.7	1472.7	1486.7	1509.1
7.5°	1520.3	1520.3	1514.7	1514.7	1506.3	1481.1	1472.7	1469.9	1472.7	1478.3	1509.1
10°	1562.3	1559.5	1545.5	1528.7	1517.5	1495.1	1475.5	1472.7	1475.5	1483.9	1517.5
12.5°	1607.1	1607.1	1601.5	1587.5	1556.7	1534.3	1500.7	1489.5	1486.7	1495.1	1514.7
15°	1696.7	1685.5	1663.1	1643.5	1621.1	1584.7	1539.9	1520.3	1514.7	1525.9	1517.5
17.5°	1749.9	1741.5	1744.3	1713.5	1693.9	1643.5	1598.7	1562.3	1559.5	1570.7	1534.3
20°	1808.7	1805.9	1811.5	1808.7	1777.9	1733.1	1663.1	1618.3	1612.7	1615.5	1559.5
22.5°	1898.3	1898.3	1895.5	1895.5	1878.7	1825.5	1747.1	1702.3	1693.9	1674.3	1601.5
25°	1996.2	1996.2	1996.2	2001.8	2001.8	1940.3	1861.9	1811.5	1805.9	1777.9	1671.5
27.5°	2088.6	2094.2	2097.0	2099.8	2108.2	2080.2	1993.4	1934.7	1931.9	1895.5	1763.9
30°	2161.4	2164.2	2189.4	2195.0	2211.8	2203.4	2119.4	2063.4	2069.0	2021.4	1867.5
32.5°	2225.8	2228.6	2265.0	2284.6	2304.2	2307.0	2237.0	2197.8	2197.8	2155.8	1993.4
35°	2287.4	2290.2	2335.0	2382.6	2421.8	2410.6	2371.4	2349.0	2357.4	2343.4	2167.0
37.5°	2340.6	2351.8	2410.6	2480.6	2525.4	2533.8	2517.0	2547.8	2564.6	2587.0	2402.2
40°	2391.0	2396.6	2452.6	2525.4	2601.0	2640.2	2659.8	2785.8	2802.6	2819.4	2536.6
42.5°	2343.4	2354.6	2475.0	2584.2	2679.4	2746.6	2839.0	3023.8	3060.2	2967.8	2718.6
45°	2287.4	2301.4	2421.8	2606.6	2741.0	2864.2	3035.0	3231.0	3259.0	3119.0	2816.6
47.5°	2239.8	2256.6	2379.8	2587.0	2805.4	3023.8	3194.6	3415.7	3432.5	3247.8	2951.0
50°	2186.6	2200.6	2332.2	2561.8	2839.0	3169.4	3362.5	3583.7	3589.3	3354.1	3021.0
52.5°	2116.6	2130.6	2265.0	2522.6	2864.2	3267.3	3502.5	3706.9	3684.5	3491.3	3102.2
55°	2027.0	2046.6	2192.2	2469.4	2878.2	3326.1	3597.7	3821.7	3810.5	3653.7	3208.6
57.5°	1931.9	1951.5	2099.8	2396.6	2864.2	3362.5	3695.7	4020.5	4017.7	3785.3	3286.9
60°	1825.5	1842.3	1968.2	2301.4	2788.6	3421.3	3911.3	4236.1	4258.5	3933.7	3317.7
62.5°	1685.5	1688.3	1814.3	2164.2	2690.6	3463.3	4065.3	4440.5	4426.5	4031.7	3323.3
65°	1500.7	1509.1	1621.1	1973.8	2531.0	3429.7	4104.5	4532.9	4532.9	4104.5	3317.7
67.5°	1321.5	1318.7	1413.9	1735.9	2284.6	3281.3	4070.9	4572.0	4591.6	4152.1	3245.0
70°	1077.9	1072.3	1145.1	1444.7	1931.9	3007.0	3984.1	4605.6	4602.8	4096.1	3091.0
72.5°	797.9	795.1	845.5	1094.7	1478.3	2573.0	3726.5	4359.3	4331.3	3827.3	2791.4
75°	442.4	420.0	417.2	677.5	859.5	1803.1	3166.6	3844.1	3855.3	3382.1	2337.8
77.5°	64.4	67.2	70.0	123.2	148.4	674.7	2057.8	2897.8	2892.2	2609.4	1705.1
80°	44.8	47.6	50.4	61.6	70.0	159.6	711.1	1461.5	1545.5	1371.9	786.7
82.5°	33.6	33.6	36.4	42.0	39.2	72.8	221.2	406.0	420.0	380.8	232.4
85°	22.4	22.4	19.6	22.4	14.0	19.6	50.4	75.6	81.2	78.4	64.4
87.5°	11.2	11.2	8.4	8.4	5.6	5.6	5.6	2.8	5.6	2.8	5.6
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°	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1	1523.1
2.5°	1514.7	1520.3	1537.1	1551.1	1567.9	1587.5	1598.7	1609.9	1621.1	1615.5	1623.9
5°	1520.3	1531.5	1556.7	1581.9	1595.9	1598.7	1601.5	1609.9	1626.7	1626.7	1640.7
7.5°	1525.9	1545.5	1545.5	1559.5	1579.1	1584.7	1587.5	1593.1	1601.5	1604.3	1601.5
10°	1525.9	1517.5	1531.5	1534.3	1525.9	1539.9	1548.3	1545.5	1553.9	1556.7	1556.7
12.5°	1509.1	1506.3	1495.1	1495.1	1492.3	1469.9	1469.9	1492.3	1492.3	1506.3	1509.1
15°	1509.1	1486.7	1472.7	1453.1	1433.5	1425.1	1413.9	1397.1	1402.7	1422.3	1427.9
17.5°	1506.3	1481.1	1439.1	1399.9	1385.9	1352.3	1341.1	1341.1	1338.3	1349.5	1352.3
20°	1517.5	1481.1	1416.7	1371.9	1296.3	1285.1	1262.7	1265.5	1268.3	1251.5	1243.1
22.5°	1548.3	1503.5	1399.9	1313.1	1254.3	1203.9	1161.9	1133.9	1131.1	1122.7	1131.1
25°	1595.9	1542.7	1402.7	1279.5	1184.3	1111.5	1083.5	1016.3	985.5	988.3	1005.1
27.5°	1682.7	1590.3	1416.7	1243.1	1128.3	1024.7	935.1	893.1	859.5	859.5	865.1
30°	1763.9	1663.1	1411.1	1212.3	1041.5	912.7	797.9	730.7	719.5	708.3	705.5
32.5°	1915.1	1755.5	1467.1	1167.5	960.3	769.9	655.1	562.8	571.2	574.0	579.6
35°	2066.2	1903.9	1478.3	1111.5	842.7	627.2	506.8	456.4	478.8	484.4	490.0
37.5°	2267.8	2088.6	1553.9	1061.1	722.3	481.6	403.2	380.8	403.2	403.2	406.0
40°	2377.0	2175.4	1615.5	1010.7	565.6	355.6	316.4	299.6	327.6	350.0	355.6
42.5°	2531.0	2287.4	1671.5	909.9	400.4	266.0	243.6	277.2	322.0	344.4	347.2
45°	2609.4	2343.4	1651.9	775.5	263.2	215.6	238.0	280.0	324.8	347.2	350.0
47.5°	2715.8	2421.8	1612.7	618.8	210.0	212.8	240.8	288.4	333.2	352.8	355.6
50°	2819.4	2503.0	1511.9	492.8	201.6	212.8	246.4	291.2	330.4	344.4	341.6
52.5°	2878.2	2578.6	1383.1	375.2	201.6	215.6	252.0	296.8	327.6	330.4	330.4
55°	2931.4	2587.0	1276.7	291.2	198.8	218.4	257.6	302.4	330.4	330.4	324.8
57.5°	2965.0	2553.4	1195.5	252.0	198.8	218.4	257.6	302.4	344.4	352.8	344.4
60°	2951.0	2489.0	1139.5	235.2	193.2	215.6	254.8	310.8	422.8	442.4	425.6
62.5°	2917.4	2452.6	1019.1	215.6	184.8	207.2	249.2	336.0	453.6	456.4	442.4
65°	2886.6	2332.2	873.5	193.2	173.6	198.8	240.8	341.6	383.6	369.6	366.8
67.5°	2746.6	2175.4	666.3	170.8	156.8	187.6	232.4	313.6	341.6	324.8	319.2
70°	2547.8	1901.1	445.2	145.6	140.0	173.6	232.4	294.0	305.2	277.2	266.0
72.5°	2183.8	1573.5	243.6	117.6	117.6	159.6	210.0	274.4	282.8	249.2	229.6
75°	1777.9	1139.5	156.8	89.6	89.6	134.4	190.4	260.4	277.2	240.8	215.6
77.5°	1223.5	624.4	109.2	64.4	58.8	103.6	151.2	212.8	246.4	207.2	176.4
80°	414.4	165.2	70.0	42.0	36.4	58.8	100.8	165.2	224.0	212.8	190.4
82.5°	162.4	103.6	47.6	28.0	25.2	28.0	50.4	103.6	179.2	193.2	224.0
85°	47.6	28.0	16.8	14.0	14.0	14.0	14.0	42.0	106.4	140.0	176.4
87.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	25.2	44.8	58.8
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)