

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: P690866

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690866
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-C01-5TLD-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: 8229 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

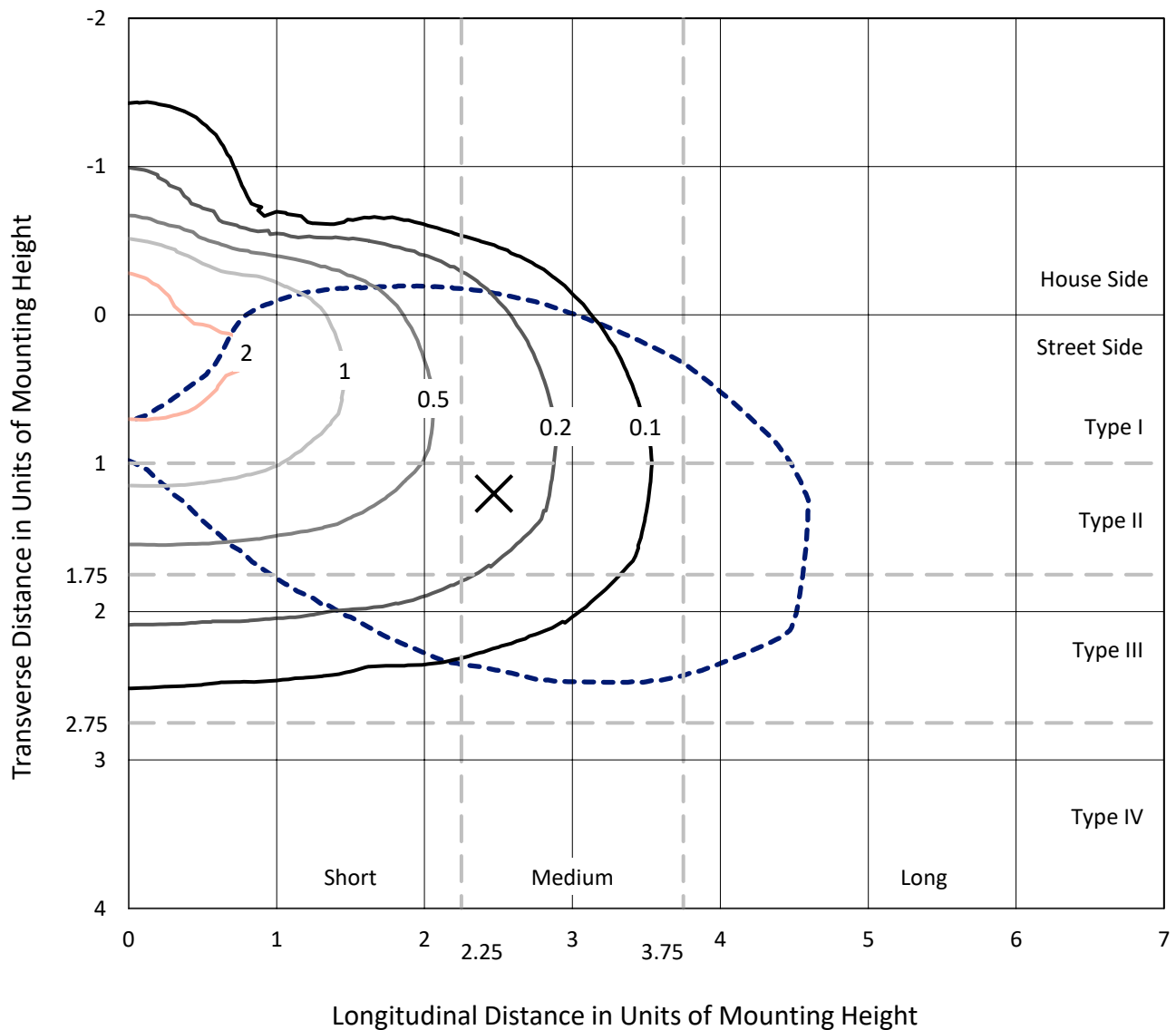
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

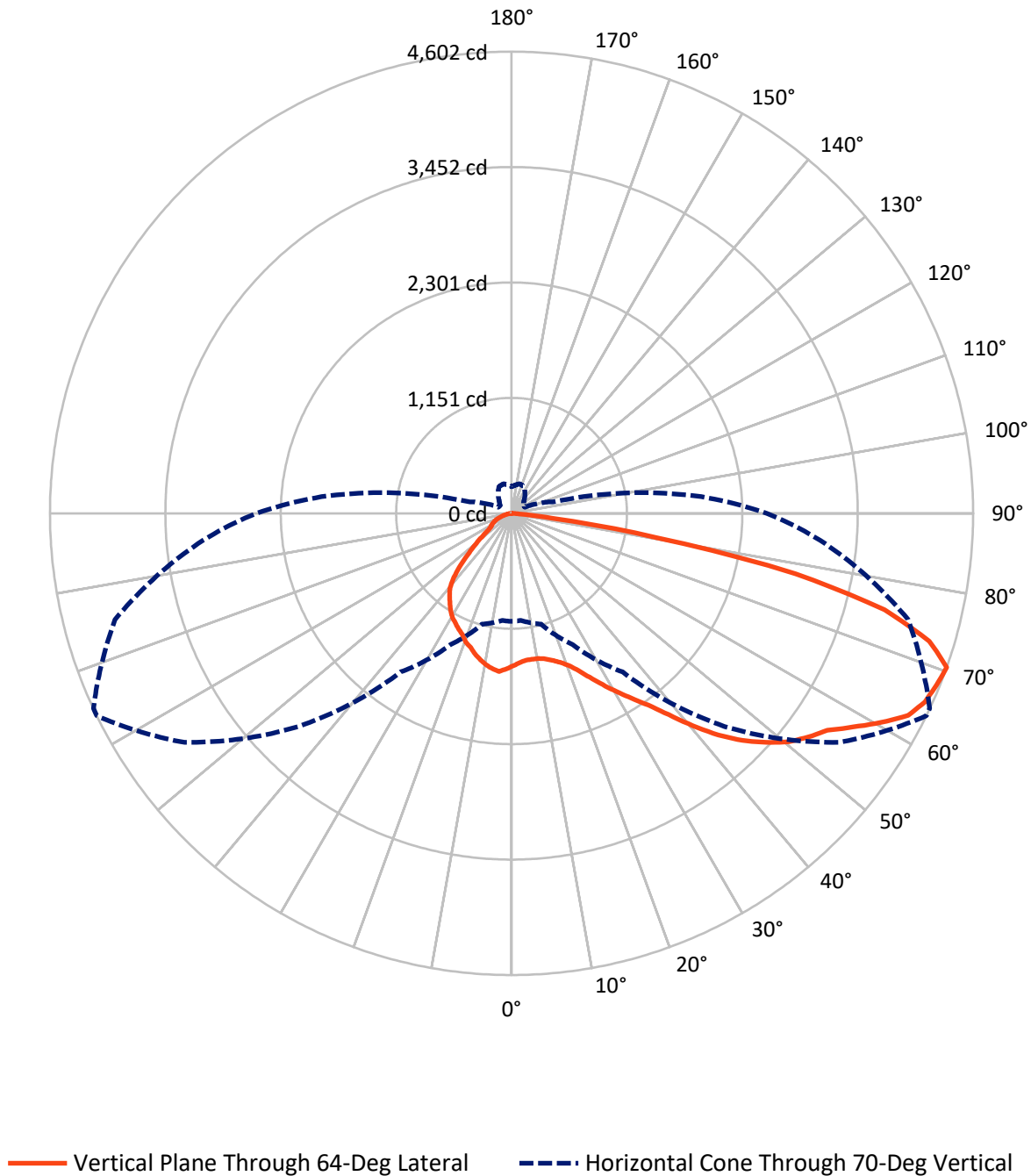
× Max cd
- - - 1/2 Max cd



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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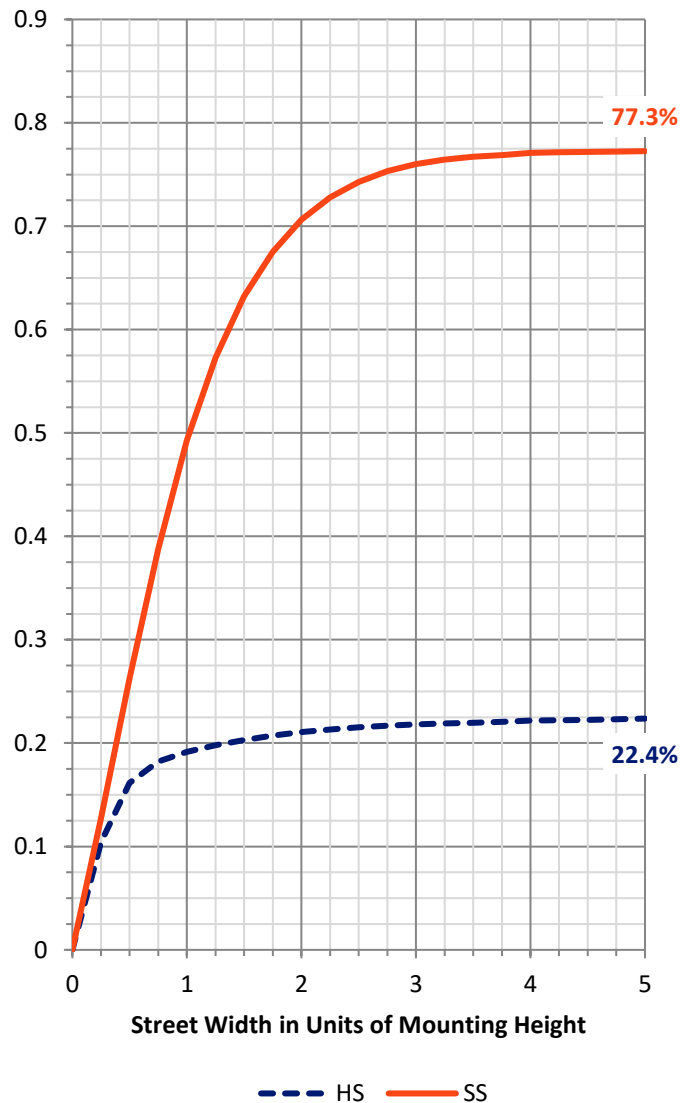
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1869.3	0.0	1869.3
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6359.7	0.0	6359.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	8229.0	0.0	8229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	1.8
10°-20°	429.1	5.2
20°-30°	712.3	8.7
30°-40°	1018.9	12.4
40°-50°	1360.7	16.5
50°-60°	1644.3	20.0
60°-70°	1750.0	21.3
70°-80°	1075.1	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°	8229.0	100.0
0°-180°	8229.0	100.0

Coefficient of Utilization



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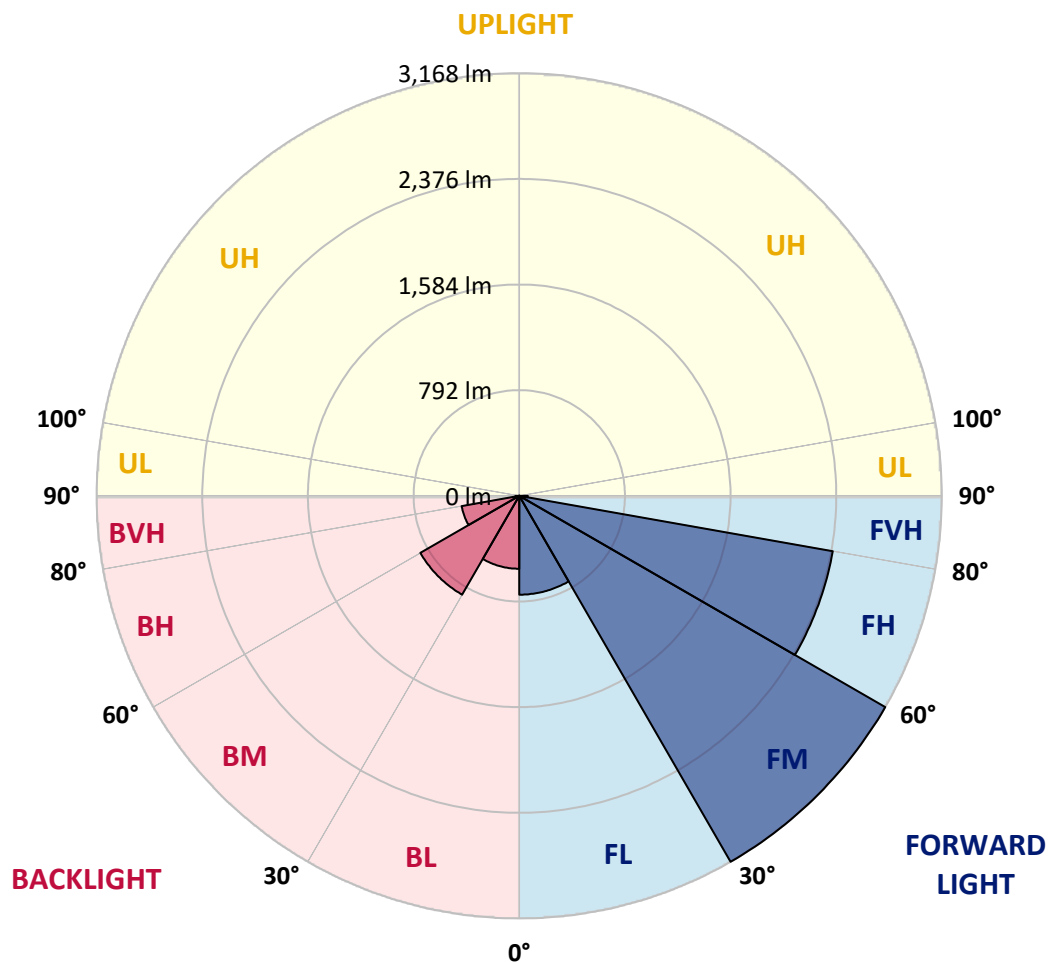
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	741.0	9.0			
FM	(30°-60°)	3168.0	38.5			
FH	(60°-80°)	2386.7	29.0			G2/5000
FVH	(80°-90°)	63.9	0.8			G1/100
BL	(0°-30°)	546.9	6.6	B2/1000		
BM	(30°-60°)	855.9	10.4	B1/1000		
BH	(60°-80°)	438.4	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°	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0
2.5°	1485.6	1485.6	1485.6	1485.6	1488.4	1491.2	1488.4	1491.2	1491.2	1496.8	1505.2
5°	1510.8	1510.8	1505.2	1494.0	1485.6	1474.4	1468.8	1471.6	1471.6	1485.6	1508.0
7.5°	1519.2	1519.2	1513.6	1513.6	1505.2	1480.0	1471.6	1468.8	1471.6	1477.2	1508.0
10°	1561.1	1558.3	1544.4	1527.6	1516.4	1494.0	1474.4	1471.6	1474.4	1482.8	1516.4
12.5°	1605.9	1605.9	1600.3	1586.3	1555.5	1533.2	1499.6	1488.4	1485.6	1494.0	1513.6
15°	1695.4	1684.2	1661.9	1642.3	1619.9	1583.5	1538.8	1519.2	1513.6	1524.8	1516.4
17.5°	1748.6	1740.2	1743.0	1712.2	1692.6	1642.3	1597.5	1561.1	1558.3	1569.5	1533.2
20°	1807.3	1804.5	1810.1	1807.3	1776.6	1731.8	1661.9	1617.1	1611.5	1614.3	1558.3
22.5°	1896.9	1896.9	1894.1	1894.1	1877.3	1824.1	1745.8	1701.0	1692.6	1673.1	1600.3
25°	1994.8	1994.8	1994.8	2000.4	2000.4	1938.8	1860.5	1810.1	1804.5	1776.6	1670.3
27.5°	2087.1	2092.7	2095.5	2098.3	2106.7	2078.7	1992.0	1933.2	1930.4	1894.1	1762.6
30°	2159.9	2162.7	2187.8	2193.4	2210.2	2201.8	2117.9	2061.9	2067.5	2020.0	1866.1
32.5°	2224.2	2227.0	2263.4	2283.0	2302.5	2305.3	2235.4	2196.2	2196.2	2154.3	1992.0
35°	2285.8	2288.6	2333.3	2380.9	2420.0	2408.9	2369.7	2347.3	2355.7	2341.7	2165.5
37.5°	2338.9	2350.1	2408.9	2478.8	2523.6	2532.0	2515.2	2545.9	2562.7	2585.1	2400.5
40°	2389.3	2394.9	2450.8	2523.6	2599.1	2638.3	2657.9	2783.8	2800.5	2817.3	2534.8
42.5°	2341.7	2352.9	2473.2	2582.3	2677.4	2744.6	2836.9	3021.6	3057.9	2965.6	2716.6
45°	2285.8	2299.7	2420.0	2604.7	2739.0	2862.1	3032.8	3228.6	3256.6	3116.7	2814.5
47.5°	2238.2	2255.0	2378.1	2585.1	2803.3	3021.6	3192.2	3413.2	3430.0	3245.4	2948.8
50°	2185.0	2199.0	2330.5	2559.9	2836.9	3167.0	3360.1	3581.1	3586.7	3351.7	3018.8
52.5°	2115.1	2129.1	2263.4	2520.8	2862.1	3265.0	3500.0	3704.2	3681.8	3488.8	3099.9
55°	2025.6	2045.2	2190.6	2467.6	2876.1	3323.7	3595.1	3818.9	3807.7	3651.1	3206.2
57.5°	1930.4	1950.0	2098.3	2394.9	2862.1	3360.1	3693.0	4017.6	4014.8	3782.6	3284.6
60°	1824.1	1840.9	1966.8	2299.7	2786.6	3418.8	3908.5	4233.0	4255.4	3930.8	3315.3
62.5°	1684.2	1687.0	1812.9	2162.7	2688.6	3460.8	4062.3	4437.2	4423.2	4028.8	3320.9
65°	1499.6	1508.0	1619.9	1972.4	2529.2	3427.2	4101.5	4529.5	4529.5	4101.5	3315.3
67.5°	1320.5	1317.7	1412.9	1734.6	2283.0	3279.0	4067.9	4568.7	4588.3	4149.1	3242.6
70°	1077.1	1071.5	1144.3	1443.6	1930.4	3004.8	3981.2	4602.3	4599.5	4093.1	3088.7
72.5°	797.4	794.6	844.9	1093.9	1477.2	2571.1	3723.8	4356.1	4328.1	3824.5	2789.4
75°	442.0	419.7	416.9	677.1	858.9	1801.7	3164.3	3841.3	3852.5	3379.7	2336.1
77.5°	64.3	67.1	69.9	123.1	148.3	674.3	2056.3	2895.7	2890.1	2607.5	1703.8
80°	44.8	47.6	50.4	61.6	69.9	159.5	710.6	1460.4	1544.4	1370.9	786.2
82.5°	33.6	33.6	36.4	42.0	39.2	72.7	221.0	405.7	419.7	380.5	232.2
85°	22.4	22.4	19.6	22.4	14.0	19.6	50.4	75.5	81.1	78.3	64.3
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°	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0
2.5°	1513.6	1519.2	1536.0	1550.0	1566.7	1586.3	1597.5	1608.7	1619.9	1614.3	1622.7
5°	1519.2	1530.4	1555.5	1580.7	1594.7	1597.5	1600.3	1608.7	1625.5	1625.5	1639.5
7.5°	1524.8	1544.4	1544.4	1558.3	1577.9	1583.5	1586.3	1591.9	1600.3	1603.1	1600.3
10°	1524.8	1516.4	1530.4	1533.2	1524.8	1538.8	1547.2	1544.4	1552.7	1555.5	1555.5
12.5°	1508.0	1505.2	1494.0	1494.0	1491.2	1468.8	1468.8	1491.2	1491.2	1505.2	1508.0
15°	1508.0	1485.6	1471.6	1452.0	1432.4	1424.1	1412.9	1396.1	1401.7	1421.3	1426.9
17.5°	1505.2	1480.0	1438.0	1398.9	1384.9	1351.3	1340.1	1340.1	1337.3	1348.5	1351.3
20°	1516.4	1480.0	1415.7	1370.9	1295.4	1284.2	1261.8	1264.6	1267.4	1250.6	1242.2
22.5°	1547.2	1502.4	1398.9	1312.1	1253.4	1203.0	1161.1	1133.1	1130.3	1121.9	1130.3
25°	1594.7	1541.6	1401.7	1278.6	1183.4	1110.7	1082.7	1015.6	984.8	987.6	1004.4
27.5°	1681.4	1589.1	1415.7	1242.2	1127.5	1024.0	934.4	892.5	858.9	858.9	864.5
30°	1762.6	1661.9	1410.1	1211.4	1040.8	912.1	797.4	730.2	719.0	707.8	705.0
32.5°	1913.7	1754.2	1466.0	1166.7	959.6	769.4	654.7	562.3	570.7	573.5	579.1
35°	2064.7	1902.5	1477.2	1110.7	842.1	626.7	506.4	456.0	478.4	484.0	489.6
37.5°	2266.2	2087.1	1552.7	1060.3	721.8	481.2	402.9	380.5	402.9	402.9	405.7
40°	2375.3	2173.8	1614.3	1010.0	565.1	355.3	316.1	299.4	327.3	349.7	355.3
42.5°	2529.2	2285.8	1670.3	909.3	400.1	265.8	243.4	277.0	321.7	344.1	346.9
45°	2607.5	2341.7	1650.7	775.0	263.0	215.4	237.8	279.8	324.5	346.9	349.7
47.5°	2713.8	2420.0	1611.5	618.3	209.8	212.6	240.6	288.2	332.9	352.5	355.3
50°	2817.3	2501.2	1510.8	492.4	201.4	212.6	246.2	291.0	330.1	344.1	341.3
52.5°	2876.1	2576.7	1382.1	374.9	201.4	215.4	251.8	296.6	327.3	330.1	330.1
55°	2929.2	2585.1	1275.8	291.0	198.6	218.2	257.4	302.2	330.1	330.1	324.5
57.5°	2962.8	2551.5	1194.6	251.8	198.6	218.2	257.4	302.2	344.1	352.5	344.1
60°	2948.8	2487.2	1138.7	235.0	193.0	215.4	254.6	310.5	422.5	442.0	425.3
62.5°	2915.3	2450.8	1018.4	215.4	184.7	207.0	249.0	335.7	453.2	456.0	442.0
65°	2884.5	2330.5	872.9	193.0	173.5	198.6	240.6	341.3	383.3	369.3	366.5
67.5°	2744.6	2173.8	665.9	170.7	156.7	187.4	232.2	313.3	341.3	324.5	318.9
70°	2545.9	1899.7	444.8	145.5	139.9	173.5	232.2	293.8	305.0	277.0	265.8
72.5°	2182.2	1572.3	243.4	117.5	117.5	159.5	209.8	274.2	282.6	249.0	229.4
75°	1776.6	1138.7	156.7	89.5	89.5	134.3	190.2	260.2	277.0	240.6	215.4
77.5°	1222.6	623.9	109.1	64.3	58.8	103.5	151.1	212.6	246.2	207.0	176.3
80°	414.1	165.1	69.9	42.0	36.4	58.8	100.7	165.1	223.8	212.6	190.2
82.5°	162.3	103.5	47.6	28.0	25.2	28.0	50.4	103.5	179.1	193.0	223.8
85°	47.6	28.0	16.8	14.0	14.0	14.0	14.0	42.0	106.3	139.9	176.3
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)