

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: P691662

Luminaire Tested: **CRTK2-C018-D-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6449 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 50.4
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

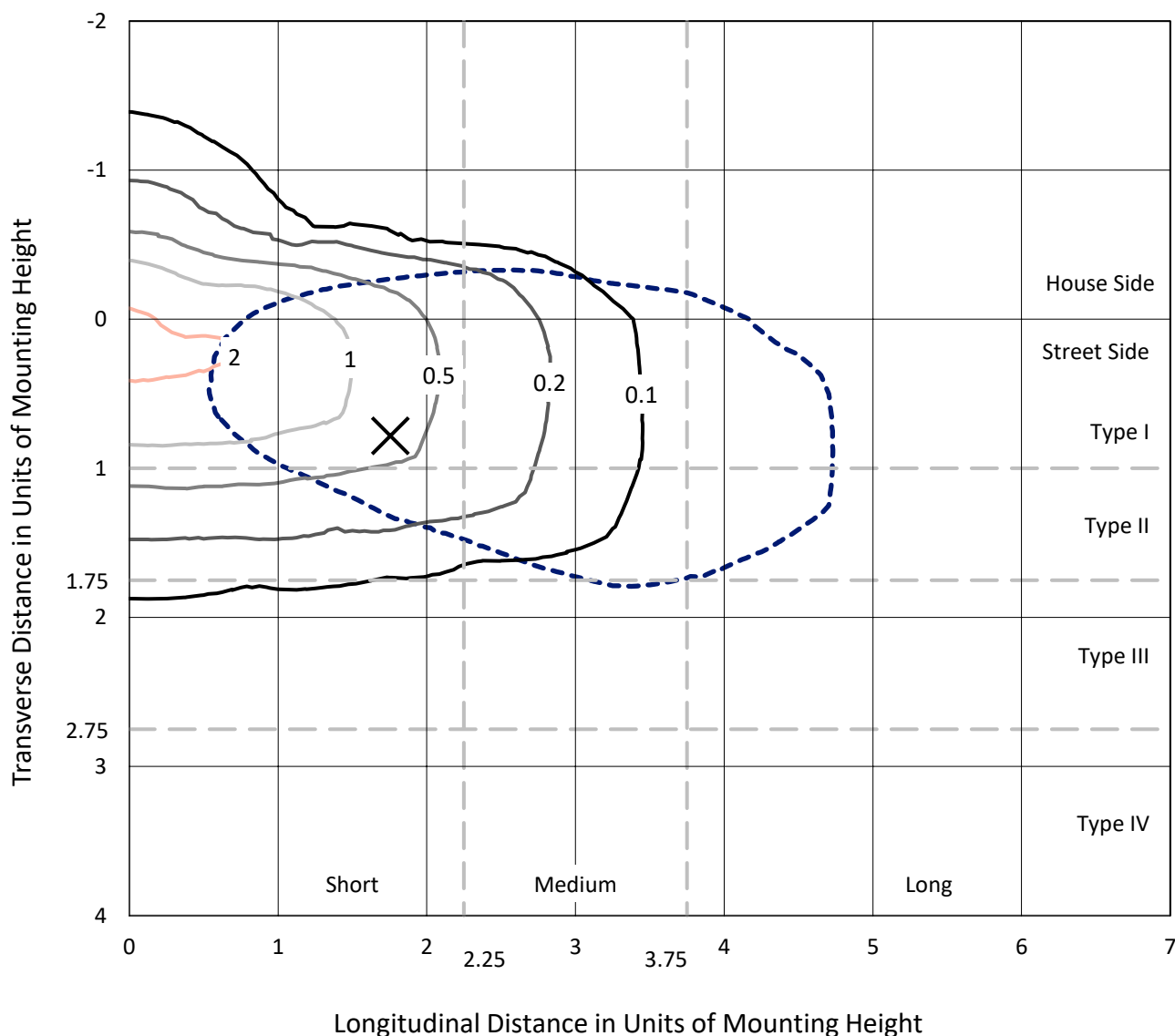


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

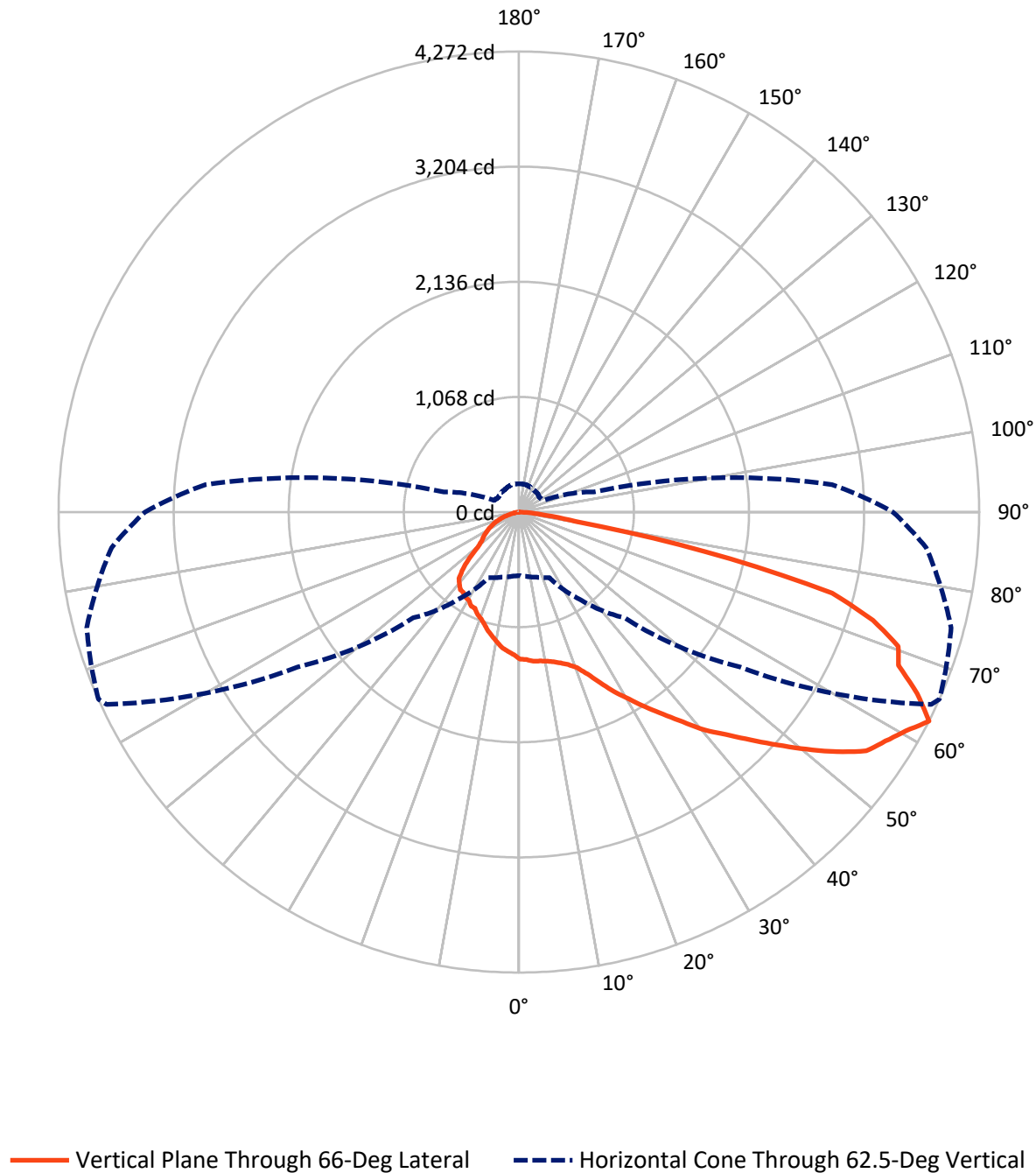
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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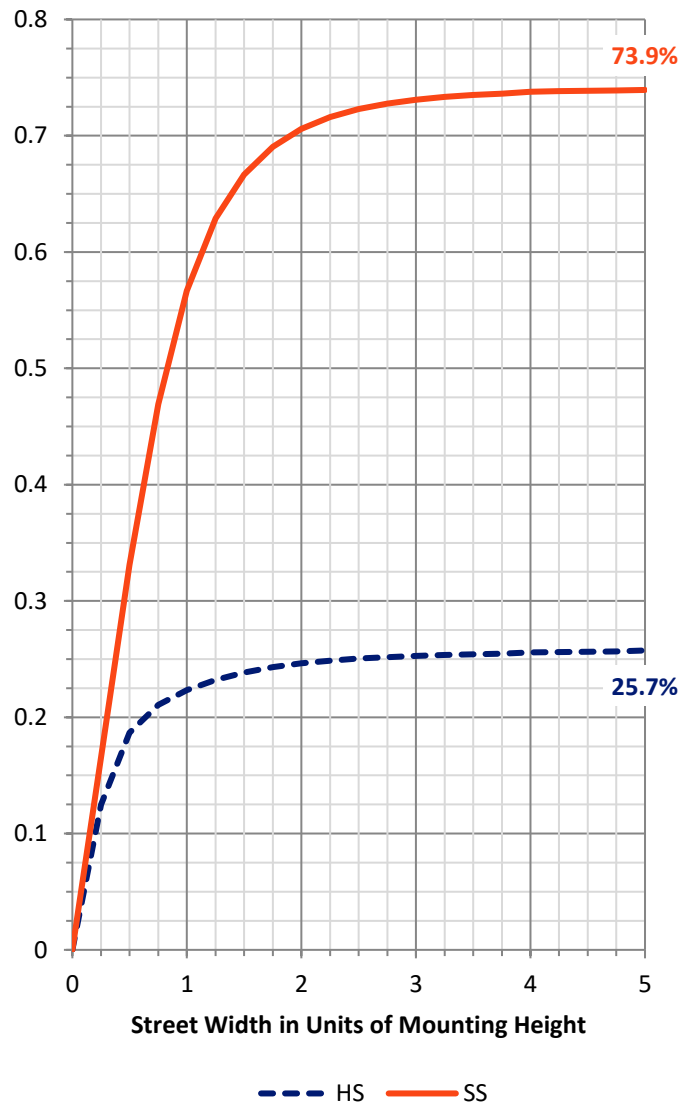
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1685.1	0.0	1685.1
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	4763.9	0.0	4763.9
	% Fixture	73.9	0.0	73.9
Total	Lumens	6449.0	0.0	6449.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.6	2.0
10°-20°	362.2	5.6
20°-30°	588.1	9.1
30°-40°	848.2	13.2
40°-50°	1103.2	17.1
50°-60°	1281.4	19.9
60°-70°	1267.8	19.7
70°-80°	785.3	12.2
80°-90°	85.3	1.3
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°	6449.0	100.0
0°-180°	6449.0	100.0

Coefficient of Utilization



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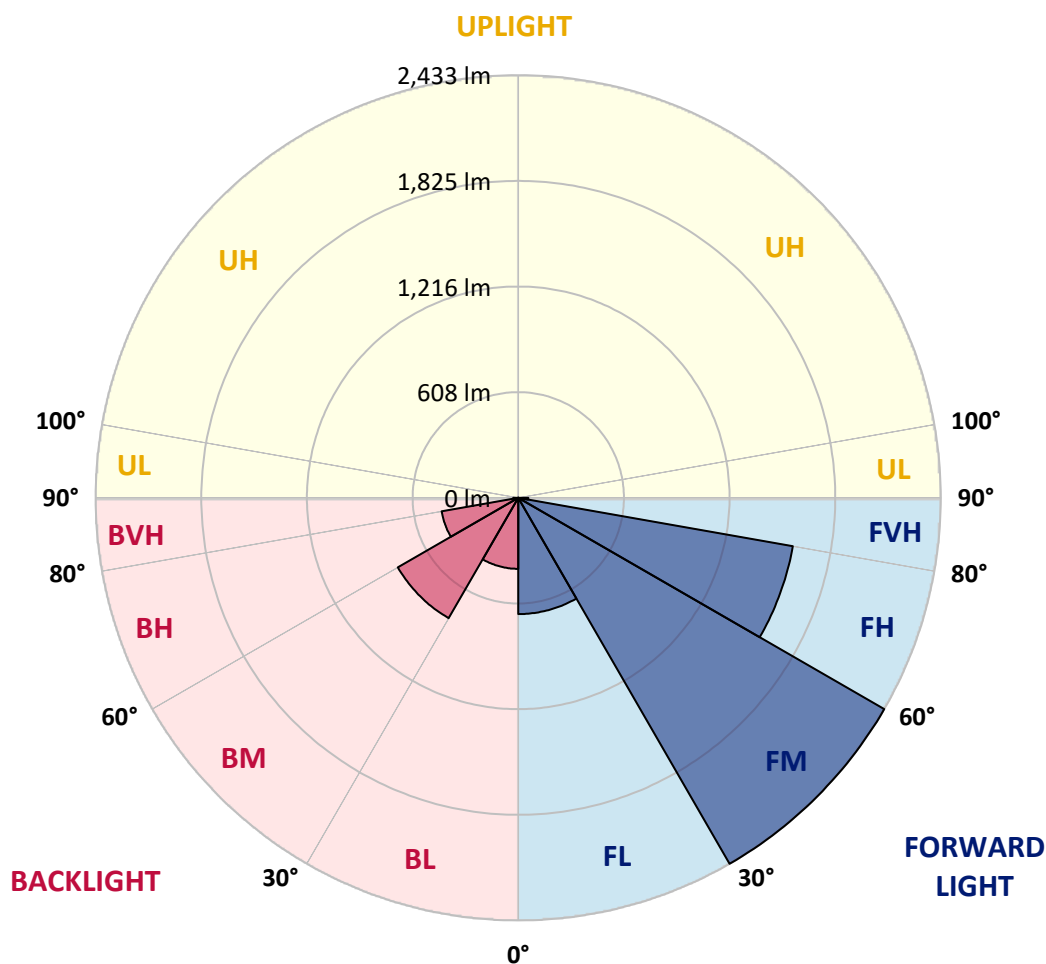
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	669.1	10.4			
FM	(30°-60°)	2432.7	37.7			
FH	(60°-80°)	1605.0	24.9			G1/1800
FVH	(80°-90°)	57.2	0.9			G1/100
BL	(0°-30°)	408.8	6.3	B1/500		
BM	(30°-60°)	800.1	12.4	B1/1000		
BH	(60°-80°)	448.1	6.9	B1/500		G1/500
BVH	(80°-90°)	28.1	0.4			G1/100
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°	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1
2.5°	1412.9	1412.9	1417.4	1401.8	1393.0	1386.3	1379.6	1373.0	1370.8	1364.1	1355.2
5°	1475.0	1475.0	1477.2	1461.7	1444.0	1424.0	1404.0	1390.7	1390.7	1375.2	1353.0
7.5°	1508.3	1508.3	1508.3	1490.6	1479.5	1466.2	1435.1	1397.4	1395.2	1379.6	1348.6
10°	1508.3	1508.3	1517.2	1490.6	1481.7	1468.4	1450.6	1410.7	1406.3	1370.8	1328.6
12.5°	1534.9	1539.3	1534.9	1506.1	1497.2	1486.1	1461.7	1428.4	1426.2	1379.6	1319.8
15°	1572.6	1574.8	1568.2	1548.2	1539.3	1521.6	1492.8	1457.3	1452.8	1397.4	1326.4
17.5°	1581.5	1583.7	1588.1	1563.7	1563.7	1557.1	1541.6	1499.4	1488.3	1439.5	1346.4
20°	1577.1	1579.3	1585.9	1581.5	1583.7	1579.3	1590.4	1554.9	1541.6	1488.3	1377.4
22.5°	1597.0	1601.5	1614.8	1617.0	1625.9	1634.7	1639.2	1641.4	1632.5	1570.4	1441.8
25°	1603.7	1617.0	1634.7	1659.1	1690.2	1707.9	1732.3	1756.7	1754.5	1692.4	1548.2
27.5°	1572.6	1588.1	1643.6	1681.3	1750.1	1798.9	1854.3	1887.6	1887.6	1836.6	1670.2
30°	1601.5	1608.1	1636.9	1690.2	1770.0	1880.9	1967.4	2009.6	2014.0	1980.7	1790.0
32.5°	1541.6	1557.1	1628.1	1730.1	1852.1	1974.1	2060.6	2151.5	2156.0	2144.9	1965.2
35°	1534.9	1543.8	1583.7	1692.4	1849.9	2060.6	2175.9	2291.3	2302.4	2315.7	2136.0
37.5°	1466.2	1483.9	1561.5	1696.8	1912.0	2118.3	2273.5	2451.0	2468.7	2510.9	2282.4
40°	1393.0	1406.3	1470.6	1617.0	1892.0	2191.5	2368.9	2639.5	2661.7	2697.2	2484.3
42.5°	1293.1	1319.8	1430.7	1583.7	1883.2	2213.6	2475.4	2812.5	2821.4	2883.5	2644.0
45°	1200.0	1208.9	1293.1	1468.4	1805.5	2246.9	2555.2	3007.7	3014.4	3054.3	2777.0
47.5°	1124.6	1135.7	1222.2	1370.8	1734.5	2238.0	2635.1	3196.3	3227.3	3271.7	2939.0
50°	891.7	916.1	1144.5	1286.5	1612.5	2222.5	2699.4	3422.5	3458.0	3500.1	3112.0
52.5°	769.7	780.8	896.1	1202.2	1492.8	2156.0	2759.3	3653.2	3695.3	3673.1	3331.6
55°	716.4	723.1	776.3	1035.8	1386.3	2029.5	2803.7	3868.3	3912.7	3806.2	3504.6
57.5°	678.7	687.6	718.7	847.3	1266.5	1807.7	2808.1	3994.8	4010.3	3917.1	3575.5
60°	627.7	634.4	678.7	740.8	1126.8	1574.8	2728.2	4050.2	4123.4	4034.7	3735.3
62.5°	590.0	596.7	625.5	672.1	991.5	1388.5	2506.4	4223.2	4272.0	4152.3	3795.1
65°	545.6	545.6	574.5	621.1	905.0	1275.4	2391.1	4167.8	4061.3	4119.0	3868.3
67.5°	481.3	485.8	514.6	552.3	758.6	1166.7	2107.2	3910.5	3799.6	3959.3	3675.4
70°	428.1	423.7	454.7	483.5	621.1	1029.2	1745.6	3644.3	3735.3	3717.5	3497.9
72.5°	357.1	352.7	379.3	410.3	501.3	854.0	1379.6	3382.6	3435.8	3324.9	3103.1
75°	277.3	250.6	288.4	328.3	394.8	676.5	978.2	2801.4	3001.1	3134.2	2646.2
77.5°	44.4	44.4	55.5	77.6	128.6	343.8	437.0	1539.3	1765.6	2668.4	2320.1
80°	35.5	35.5	39.9	53.2	77.6	188.5	146.4	476.9	532.3	1151.2	1335.3
82.5°	20.0	20.0	28.8	35.5	48.8	57.7	64.3	232.9	259.5	408.1	516.8
85°	11.1	11.1	15.5	17.7	20.0	20.0	20.0	106.5	119.8	217.4	235.1
87.5°	6.7	6.7	6.7	6.7	6.7	4.4	2.2	2.2	2.2	2.2	2.2
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°	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1
2.5°	1350.8	1344.2	1333.1	1324.2	1317.5	1310.9	1299.8	1293.1	1293.1	1304.2	1306.5
5°	1339.7	1324.2	1304.2	1295.4	1284.3	1273.2	1255.4	1246.6	1244.3	1251.0	1255.4
7.5°	1330.8	1308.7	1288.7	1266.5	1233.3	1204.4	1188.9	1177.8	1182.2	1193.3	1188.9
10°	1304.2	1284.3	1253.2	1219.9	1180.0	1155.6	1131.2	1117.9	1120.1	1126.8	1120.1
12.5°	1293.1	1266.5	1215.5	1175.6	1140.1	1093.5	1062.5	1042.5	1042.5	1053.6	1053.6
15°	1293.1	1253.2	1184.5	1135.7	1080.2	1033.6	998.1	980.4	991.5	984.8	980.4
17.5°	1304.2	1242.1	1164.5	1082.4	1015.9	969.3	927.2	902.8	909.4	913.8	909.4
20°	1317.5	1242.1	1140.1	1040.3	962.6	896.1	849.5	822.9	820.7	822.9	827.3
22.5°	1361.9	1271.0	1124.6	1013.7	896.1	831.8	785.2	738.6	736.4	734.2	738.6
25°	1437.3	1324.2	1135.7	964.9	858.4	763.0	705.4	665.4	652.1	649.9	654.3
27.5°	1561.5	1417.4	1153.4	958.2	789.6	703.1	632.2	587.8	574.5	578.9	576.7
30°	1696.8	1537.1	1204.4	911.6	749.7	614.4	547.9	510.2	496.9	488.0	490.2
32.5°	1796.6	1656.9	1268.7	896.1	672.1	519.0	470.2	448.1	432.5	421.4	419.2
35°	1954.1	1758.9	1326.4	860.6	603.3	456.9	417.0	392.6	383.7	377.1	377.1
37.5°	2105.0	1883.2	1384.1	849.5	514.6	414.8	366.0	350.5	346.0	341.6	341.6
40°	2255.8	2009.6	1417.4	805.2	443.6	363.8	317.2	315.0	321.6	317.2	319.4
42.5°	2442.1	2140.4	1450.6	763.0	392.6	310.5	283.9	301.7	315.0	317.2	317.2
45°	2570.8	2229.2	1463.9	661.0	339.4	270.6	277.3	297.2	312.7	319.4	317.2
47.5°	2688.3	2348.9	1444.0	536.8	295.0	264.0	275.0	288.4	310.5	319.4	319.4
50°	2803.7	2448.8	1426.2	397.0	279.5	266.2	275.0	281.7	306.1	315.0	315.0
52.5°	2965.6	2528.6	1366.3	332.7	266.2	268.4	281.7	279.5	299.4	312.7	317.2
55°	3189.6	2714.9	1251.0	315.0	264.0	266.2	281.7	281.7	295.0	306.1	312.7
57.5°	3289.4	2794.8	1055.8	297.2	257.3	264.0	275.0	277.3	292.8	299.4	297.2
60°	3402.5	2894.6	865.1	277.3	246.2	259.5	264.0	272.8	283.9	283.9	281.7
62.5°	3471.3	2919.0	720.9	255.1	232.9	244.0	244.0	252.9	261.7	261.7	261.7
65°	3504.6	2894.6	539.0	235.1	217.4	226.2	224.0	228.5	235.1	224.0	224.0
67.5°	3373.7	2803.7	372.6	208.5	199.6	208.5	206.3	208.5	206.3	197.4	199.6
70°	3149.7	2548.6	257.3	177.4	175.2	190.8	193.0	188.5	175.2	168.6	168.6
72.5°	2868.0	2045.1	177.4	142.0	148.6	168.6	173.0	164.1	150.8	144.2	144.2
75°	2601.8	1767.8	126.4	97.6	99.8	128.6	137.5	137.5	133.1	177.4	188.5
77.5°	1810.0	1144.5	73.2	51.0	48.8	73.2	84.3	86.5	166.4	179.7	175.2
80°	1073.6	539.0	53.2	31.1	31.1	42.1	57.7	113.1	190.8	128.6	115.3
82.5°	410.3	206.3	33.3	20.0	17.7	22.2	33.3	175.2	110.9	73.2	66.5
85°	148.6	51.0	15.5	11.1	11.1	13.3	20.0	148.6	77.6	55.5	53.2
87.5°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	4.4	4.4	4.4	2.2
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)