

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: P691602

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691602
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-C018-5TLD-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: 7535 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

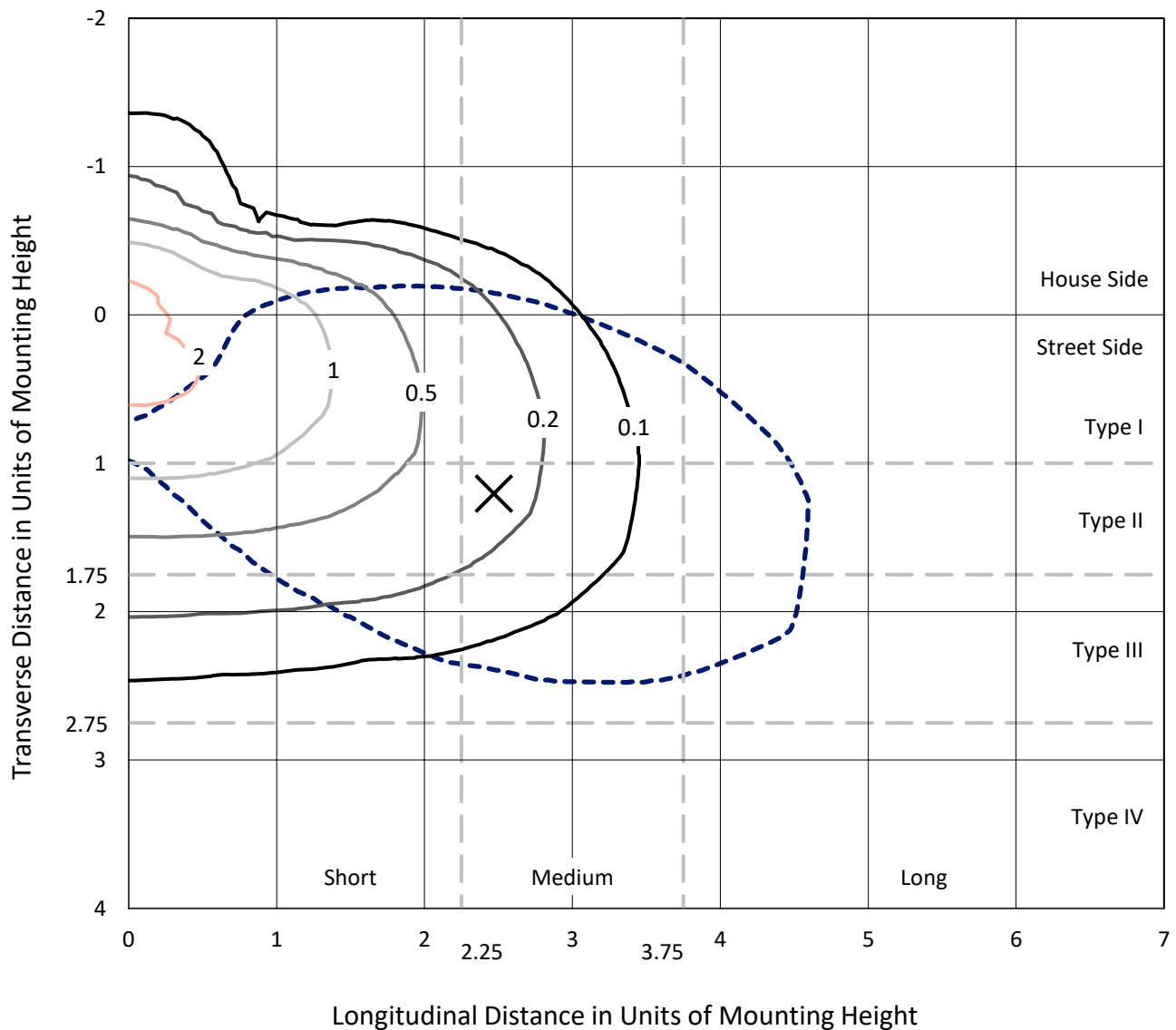
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

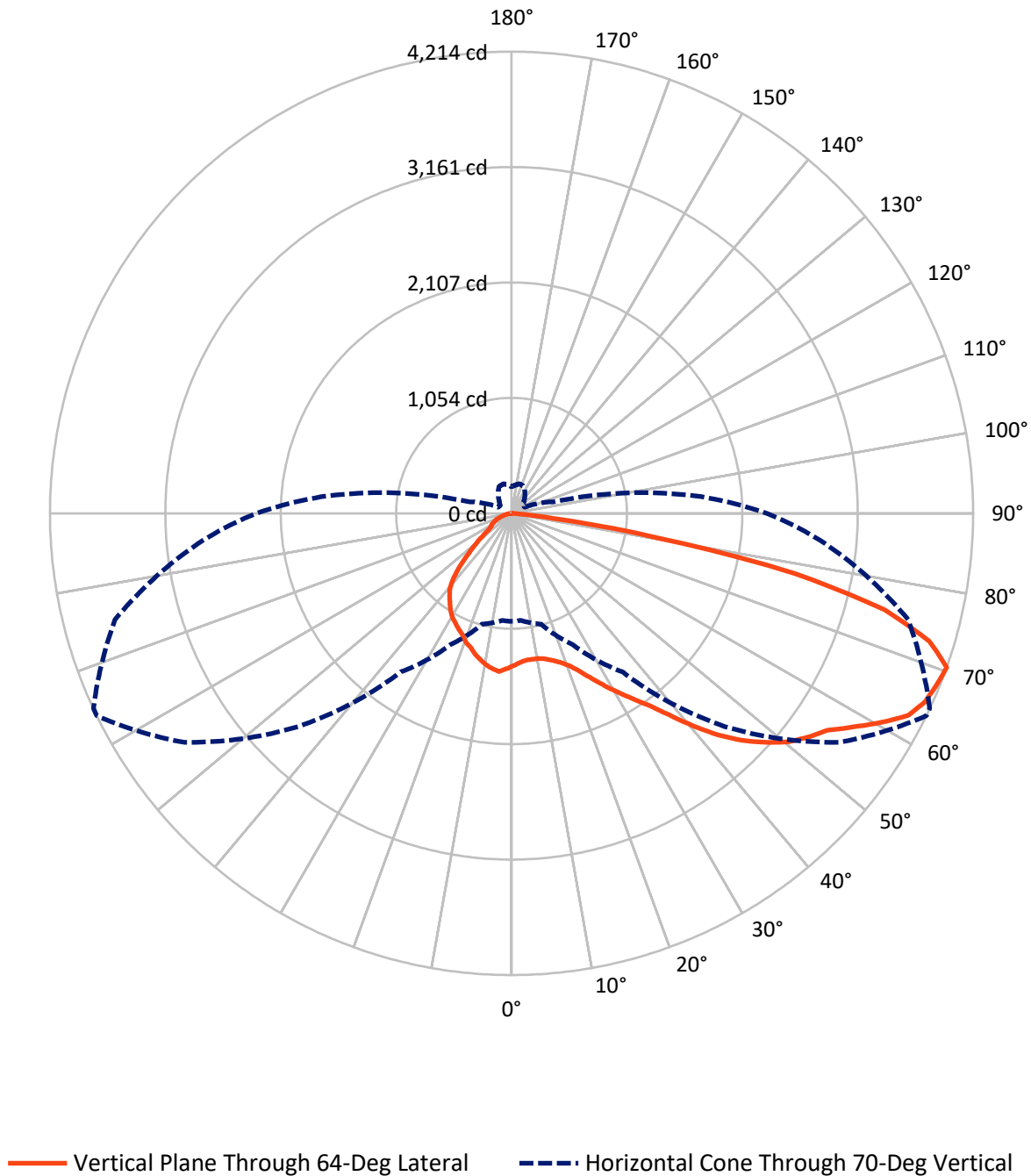
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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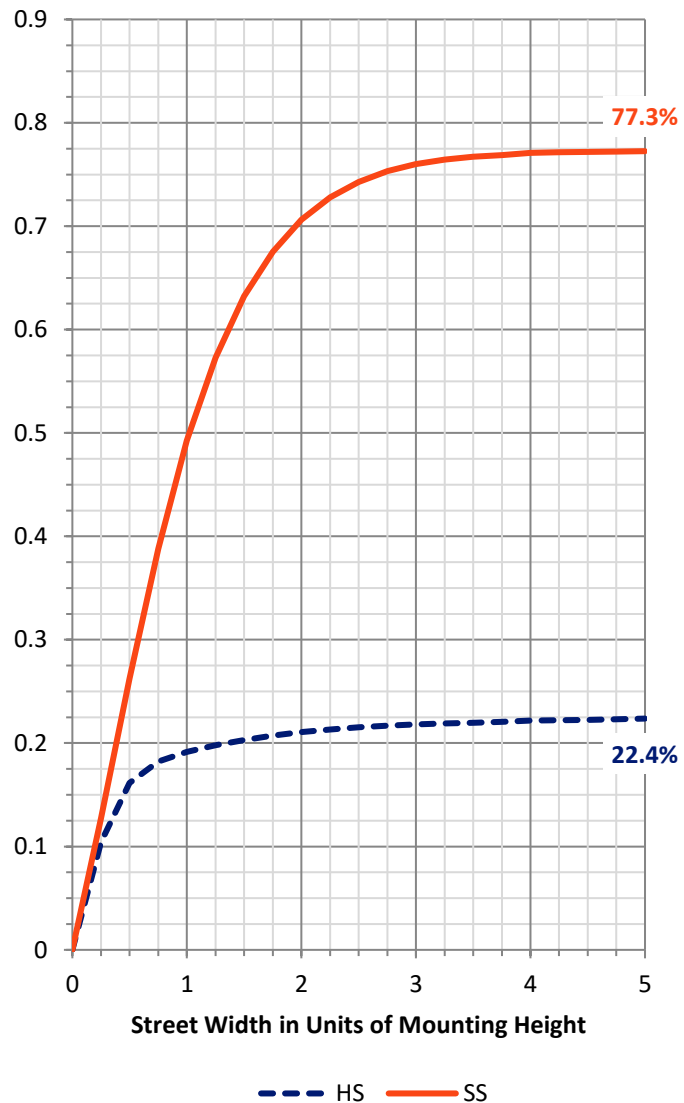
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1711.7	0.0	1711.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5823.3	0.0	5823.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	7535.0	0.0	7535.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	1.8
10°-20°	393.0	5.2
20°-30°	652.3	8.7
30°-40°	933.0	12.4
40°-50°	1245.9	16.5
50°-60°	1505.7	20.0
60°-70°	1602.4	21.3
70°-80°	984.4	13.1
80°-90°	84.3	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°	7535.0	100.0
0°-180°	7535.0	100.0

Coefficient of Utilization



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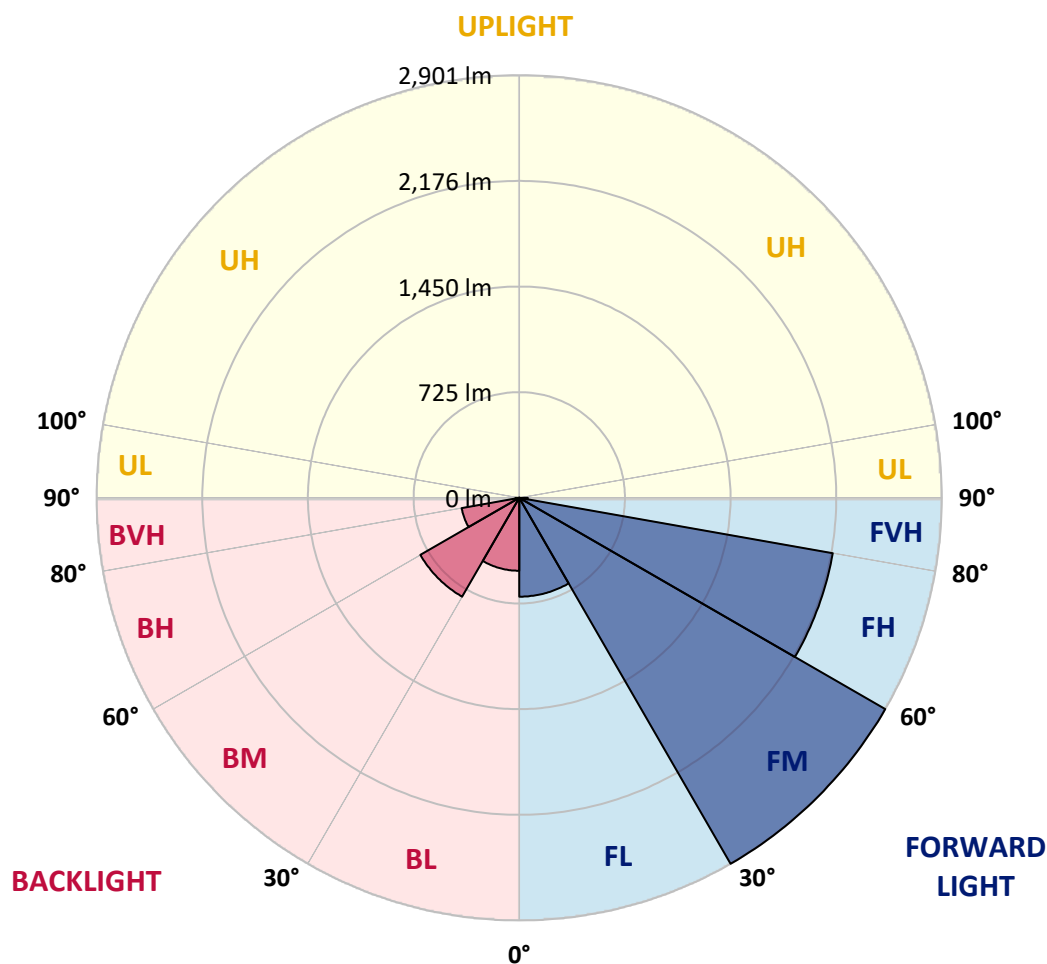
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	678.5	9.0			
FM	(30°-60°)	2900.9	38.5			
FH	(60°-80°)	2185.4	29.0			G2/5000
FVH	(80°-90°)	58.5	0.8			G1/100
BL	(0°-30°)	500.8	6.6	B2/1000		
BM	(30°-60°)	783.7	10.4	B1/1000		
BH	(60°-80°)	401.4	5.3	B1/500		G1/500
BVH	(80°-90°)	25.7	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°	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6
2.5°	1360.3	1360.3	1360.3	1360.3	1362.9	1365.4	1362.9	1365.4	1365.4	1370.6	1378.2
5°	1383.4	1383.4	1378.2	1368.0	1360.3	1350.1	1344.9	1347.5	1347.5	1360.3	1380.8
7.5°	1391.1	1391.1	1385.9	1385.9	1378.2	1355.2	1347.5	1344.9	1347.5	1352.6	1380.8
10°	1429.5	1426.9	1414.1	1398.7	1388.5	1368.0	1350.1	1347.5	1350.1	1357.8	1388.5
12.5°	1470.5	1470.5	1465.3	1452.5	1424.4	1403.9	1373.1	1362.9	1360.3	1368.0	1385.9
15°	1552.4	1542.2	1521.7	1503.8	1483.3	1450.0	1409.0	1391.1	1385.9	1396.2	1388.5
17.5°	1601.1	1593.4	1596.0	1567.8	1549.9	1503.8	1462.8	1429.5	1426.9	1437.2	1403.9
20°	1654.9	1652.4	1657.5	1654.9	1626.7	1585.8	1521.7	1480.7	1475.6	1478.2	1426.9
22.5°	1736.9	1736.9	1734.3	1734.3	1719.0	1670.3	1598.6	1557.6	1549.9	1532.0	1465.3
25°	1826.6	1826.6	1826.6	1831.7	1831.7	1775.3	1703.6	1657.5	1652.4	1626.7	1529.4
27.5°	1911.1	1916.2	1918.8	1921.3	1929.0	1903.4	1824.0	1770.2	1767.6	1734.3	1613.9
30°	1977.7	1980.3	2003.3	2008.4	2023.8	2016.1	1939.3	1888.0	1893.2	1849.6	1708.7
32.5°	2036.6	2039.2	2072.5	2090.4	2108.4	2110.9	2046.9	2011.0	2011.0	1972.6	1824.0
35°	2093.0	2095.5	2136.5	2180.1	2216.0	2205.7	2169.8	2149.3	2157.0	2144.2	1982.8
37.5°	2141.7	2151.9	2205.7	2269.8	2310.7	2318.4	2303.1	2331.2	2346.6	2367.1	2198.0
40°	2187.8	2192.9	2244.1	2310.7	2379.9	2415.8	2433.7	2549.0	2564.4	2579.7	2321.0
42.5°	2144.2	2154.5	2264.6	2364.5	2451.6	2513.1	2597.7	2766.7	2800.0	2715.5	2487.5
45°	2093.0	2105.8	2216.0	2385.0	2508.0	2620.7	2777.0	2956.3	2981.9	2853.8	2577.2
47.5°	2049.4	2064.8	2177.5	2367.1	2566.9	2766.7	2923.0	3125.4	3140.8	2971.7	2700.1
50°	2000.8	2013.6	2134.0	2344.0	2597.7	2900.0	3076.7	3279.1	3284.2	3069.0	2764.2
52.5°	1936.7	1949.5	2072.5	2308.2	2620.7	2989.6	3204.8	3391.8	3371.3	3194.6	2838.5
55°	1854.7	1872.7	2005.9	2259.5	2633.5	3043.4	3291.9	3496.9	3486.6	3343.1	2935.8
57.5°	1767.6	1785.6	1921.3	2192.9	2620.7	3076.7	3381.6	3678.7	3676.2	3463.5	3007.5
60°	1670.3	1685.7	1800.9	2105.8	2551.5	3130.5	3578.8	3876.0	3896.5	3599.3	3035.7
62.5°	1542.2	1544.8	1660.0	1980.3	2461.9	3168.9	3719.7	4063.0	4050.2	3689.0	3040.9
65°	1373.1	1380.8	1483.3	1806.1	2315.9	3138.2	3755.6	4147.5	4147.5	3755.6	3035.7
67.5°	1209.2	1206.6	1293.7	1588.3	2090.4	3002.4	3724.9	4183.4	4201.3	3799.1	2969.1
70°	986.3	981.2	1047.8	1321.9	1767.6	2751.4	3645.4	4214.2	4211.6	3747.9	2828.2
72.5°	730.1	727.5	773.7	1001.7	1352.6	2354.3	3409.7	3988.7	3963.1	3502.0	2554.1
75°	404.8	384.3	381.7	620.0	786.5	1649.8	2897.4	3517.3	3527.6	3094.6	2139.1
77.5°	58.9	61.5	64.0	112.7	135.8	617.4	1882.9	2651.5	2646.3	2387.6	1560.1
80°	41.0	43.6	46.1	56.4	64.0	146.0	650.7	1337.3	1414.1	1255.3	719.9
82.5°	30.7	30.7	33.3	38.4	35.9	66.6	202.4	371.5	384.3	348.4	212.6
85°	20.5	20.5	17.9	20.5	12.8	17.9	46.1	69.2	74.3	71.7	58.9
87.5°	10.2	10.2	7.7	7.7	5.1	5.1	5.1	2.6	5.1	2.6	5.1
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°	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6	1393.6
2.5°	1385.9	1391.1	1406.4	1419.2	1434.6	1452.5	1462.8	1473.0	1483.3	1478.2	1485.8
5°	1391.1	1401.3	1424.4	1447.4	1460.2	1462.8	1465.3	1473.0	1488.4	1488.4	1501.2
7.5°	1396.2	1414.1	1414.1	1426.9	1444.9	1450.0	1452.5	1457.7	1465.3	1467.9	1465.3
10°	1396.2	1388.5	1401.3	1403.9	1396.2	1409.0	1416.7	1414.1	1421.8	1424.4	1424.4
12.5°	1380.8	1378.2	1368.0	1368.0	1365.4	1344.9	1344.9	1365.4	1365.4	1378.2	1380.8
15°	1380.8	1360.3	1347.5	1329.6	1311.6	1304.0	1293.7	1278.3	1283.5	1301.4	1306.5
17.5°	1378.2	1355.2	1316.8	1280.9	1268.1	1237.3	1227.1	1227.1	1224.5	1234.8	1237.3
20°	1388.5	1355.2	1296.3	1255.3	1186.1	1175.9	1155.4	1157.9	1160.5	1145.1	1137.4
22.5°	1416.7	1375.7	1280.9	1201.5	1147.7	1101.6	1063.1	1037.5	1035.0	1027.3	1035.0
25°	1460.2	1411.5	1283.5	1170.7	1083.6	1017.0	991.4	929.9	901.8	904.3	919.7
27.5°	1539.6	1455.1	1296.3	1137.4	1032.4	937.6	855.6	817.2	786.5	786.5	791.6
30°	1613.9	1521.7	1291.1	1109.3	953.0	835.1	730.1	668.6	658.4	648.1	645.6
32.5°	1752.3	1606.2	1342.4	1068.3	878.7	704.5	599.5	514.9	522.6	525.2	530.3
35°	1890.6	1742.0	1352.6	1017.0	771.1	573.8	463.7	417.6	438.1	443.2	448.3
37.5°	2075.1	1911.1	1421.8	970.9	660.9	440.6	368.9	348.4	368.9	368.9	371.5
40°	2175.0	1990.5	1478.2	924.8	517.5	325.3	289.5	274.1	299.7	320.2	325.3
42.5°	2315.9	2093.0	1529.4	832.6	366.3	243.4	222.9	253.6	294.6	315.1	317.7
45°	2387.6	2144.2	1511.5	709.6	240.8	197.3	217.8	256.2	297.2	317.7	320.2
47.5°	2484.9	2216.0	1475.6	566.2	192.1	194.7	220.3	263.9	304.9	322.8	325.3
50°	2579.7	2290.2	1383.4	450.9	184.4	194.7	225.4	266.4	302.3	315.1	312.5
52.5°	2633.5	2359.4	1265.5	343.3	184.4	197.3	230.6	271.6	299.7	302.3	302.3
55°	2682.2	2367.1	1168.2	266.4	181.9	199.8	235.7	276.7	302.3	302.3	297.2
57.5°	2712.9	2336.4	1093.9	230.6	181.9	199.8	235.7	276.7	315.1	322.8	315.1
60°	2700.1	2277.4	1042.7	215.2	176.8	197.3	233.1	284.4	386.8	404.8	389.4
62.5°	2669.4	2244.1	932.5	197.3	169.1	189.6	228.0	307.4	415.0	417.6	404.8
65°	2641.2	2134.0	799.3	176.8	158.8	181.9	220.3	312.5	351.0	338.2	335.6
67.5°	2513.1	1990.5	609.7	156.3	143.5	171.6	212.6	286.9	312.5	297.2	292.0
70°	2331.2	1739.5	407.3	133.2	128.1	158.8	212.6	269.0	279.2	253.6	243.4
72.5°	1998.2	1439.7	222.9	107.6	107.6	146.0	192.1	251.1	258.7	228.0	210.1
75°	1626.7	1042.7	143.5	82.0	82.0	123.0	174.2	238.2	253.6	220.3	197.3
77.5°	1119.5	571.3	99.9	58.9	53.8	94.8	138.3	194.7	225.4	189.6	161.4
80°	379.1	151.1	64.0	38.4	33.3	53.8	92.2	151.1	204.9	194.7	174.2
82.5°	148.6	94.8	43.6	25.6	23.1	25.6	46.1	94.8	164.0	176.8	204.9
85°	43.6	25.6	15.4	12.8	12.8	12.8	12.8	38.4	97.3	128.1	161.4
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	23.1	41.0	53.8
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)