

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: P691510

Luminaire Tested: **CRTK2-C016-D-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691510
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-C016-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: 5592 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

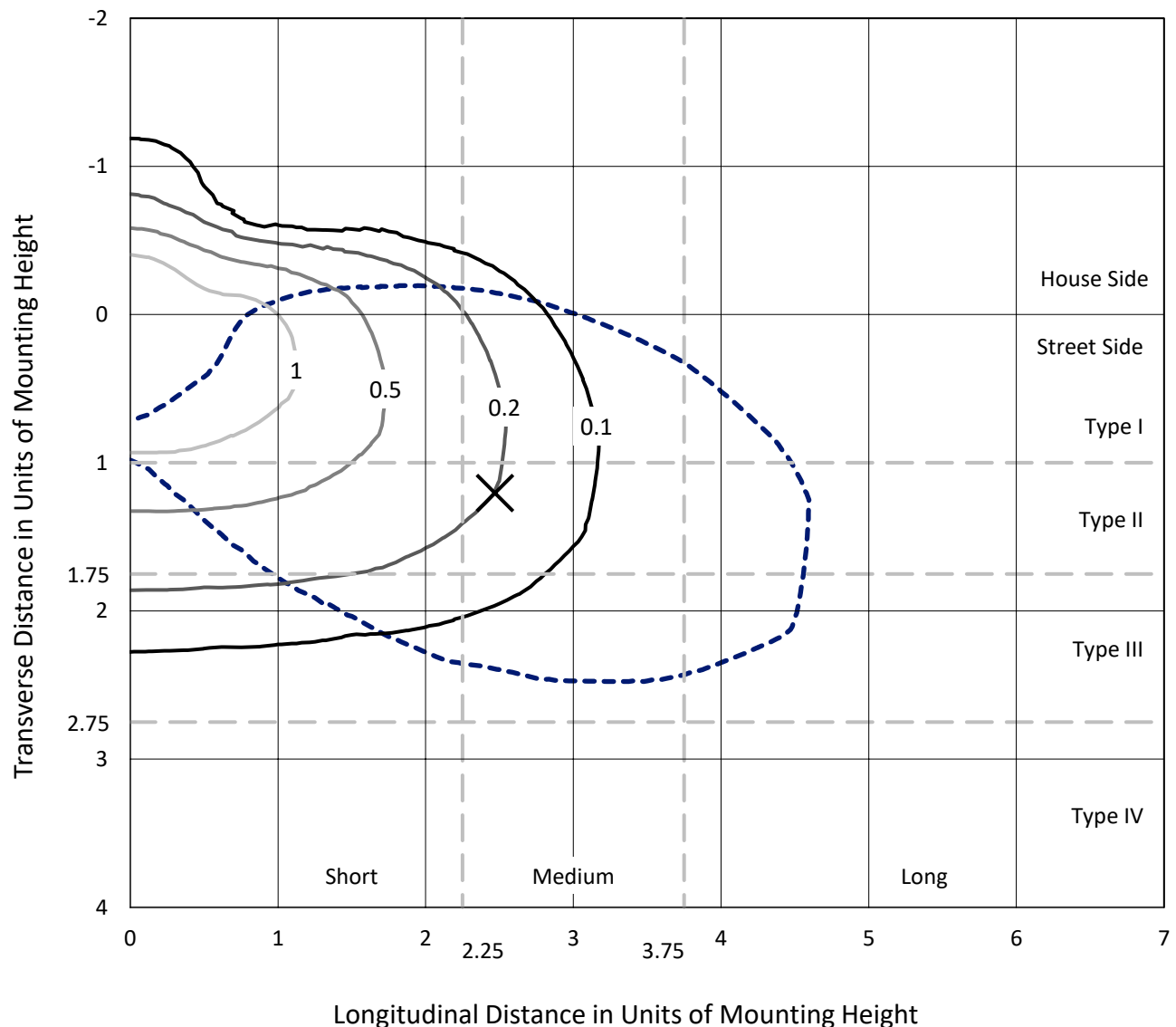
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

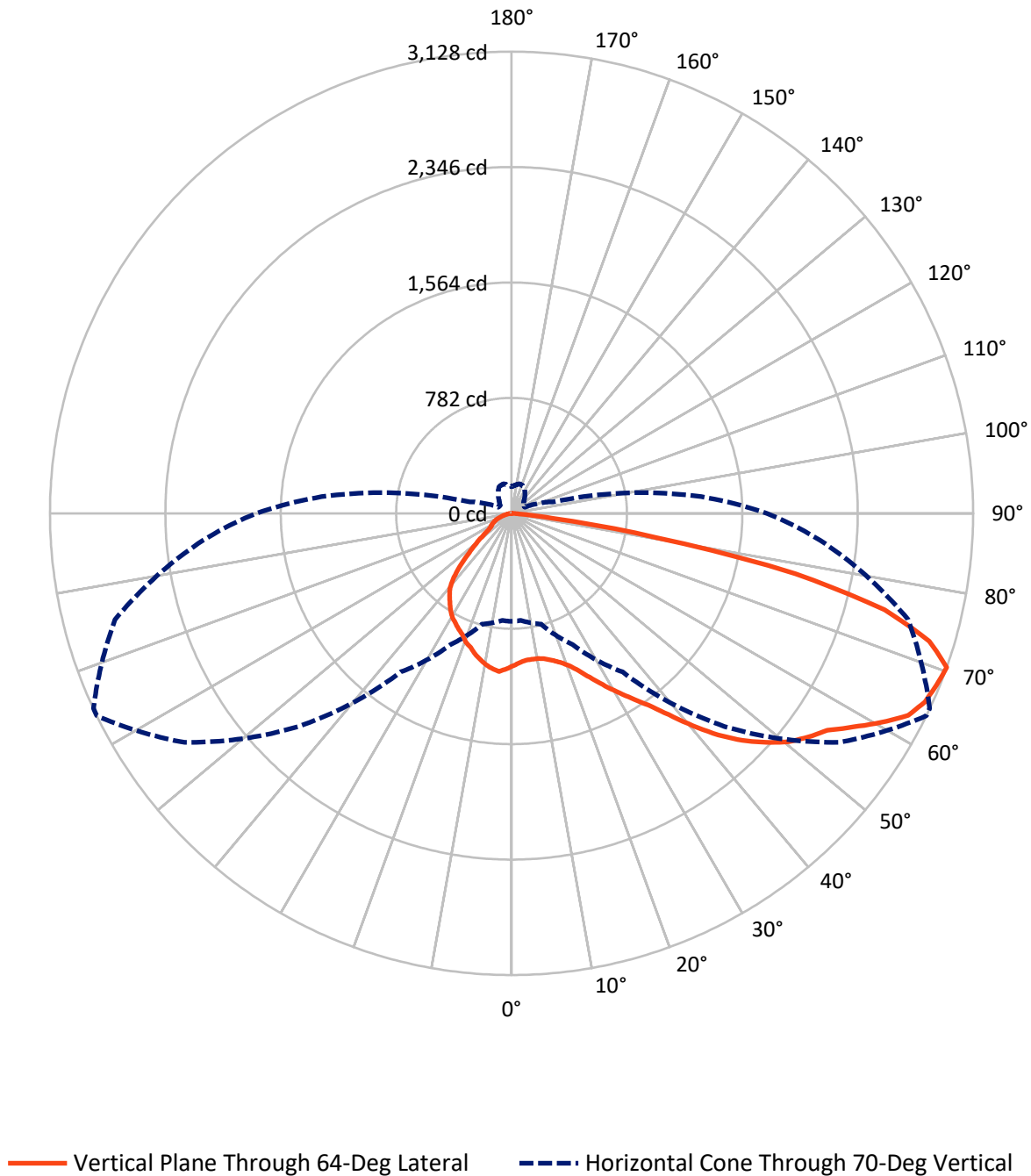
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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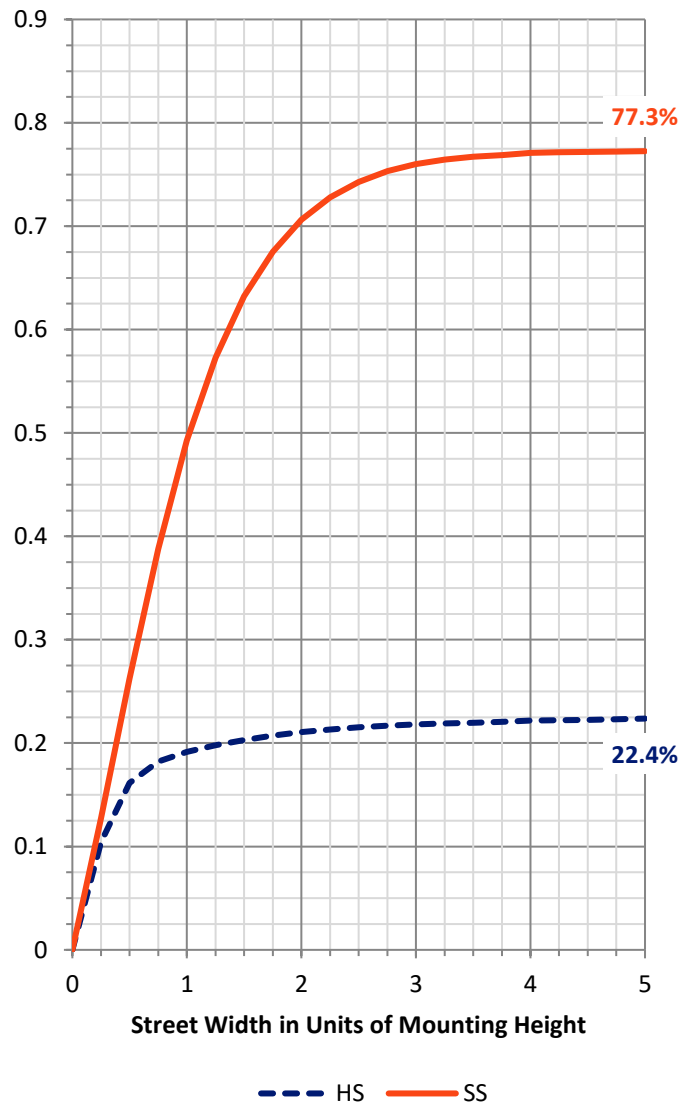
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1270.3	0.0	1270.3
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	4321.7	0.0	4321.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	1.8
10°-20°	291.6	5.2
20°-30°	484.1	8.7
30°-40°	692.4	12.4
40°-50°	924.6	16.5
50°-60°	1117.4	20.0
60°-70°	1189.2	21.3
70°-80°	730.6	13.1
80°-90°	62.6	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°	5592.0	100.0
0°-180°	5592.0	100.0

Coefficient of Utilization



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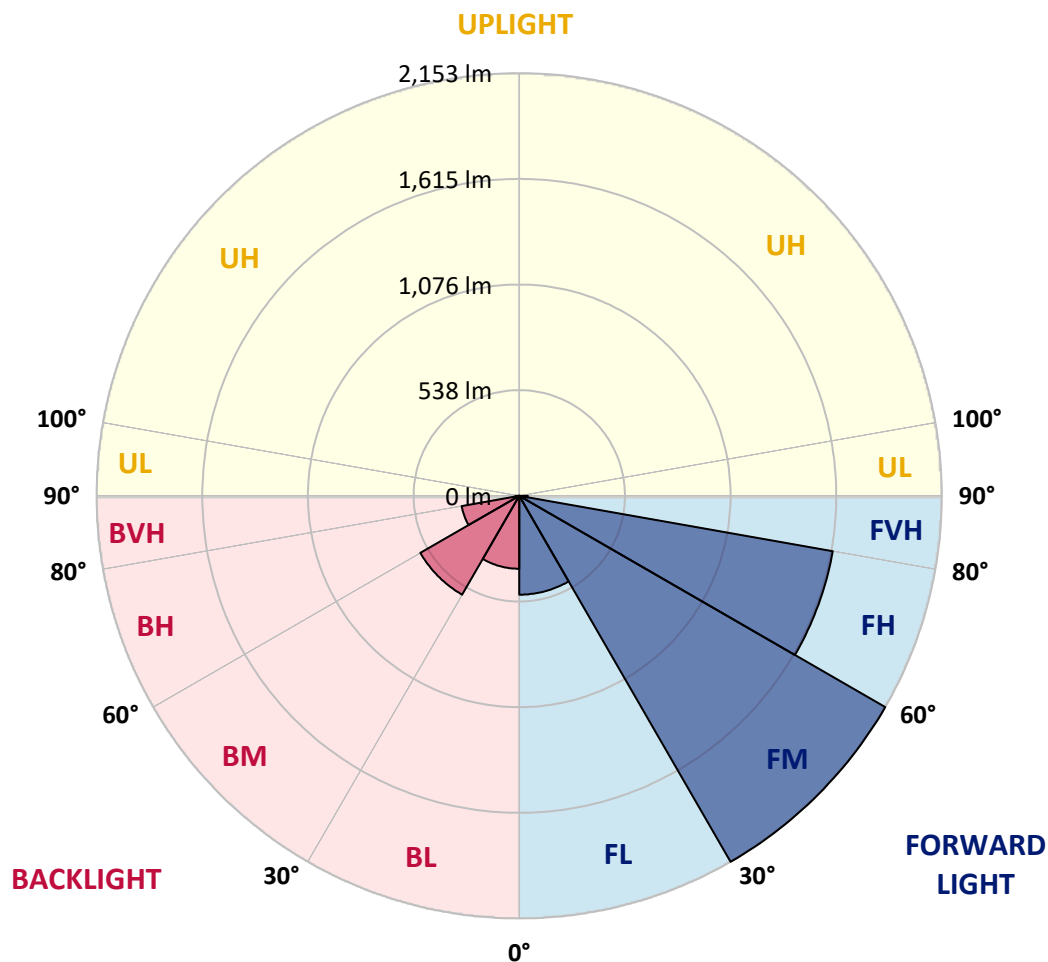
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	503.5	9.0			
FM	(30°-60°)	2152.8	38.5			
FH	(60°-80°)	1621.9	29.0			G1/1800
FVH	(80°-90°)	43.4	0.8			G1/100
BL	(0°-30°)	371.6	6.6	B1/500		
BM	(30°-60°)	581.6	10.4	B1/1000		
BH	(60°-80°)	297.9	5.3	B1/500		G1/500
BVH	(80°-90°)	19.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3
2.5°	1009.5	1009.5	1009.5	1009.5	1011.4	1013.3	1011.4	1013.3	1013.3	1017.1	1022.8
5°	1026.6	1026.6	1022.8	1015.2	1009.5	1001.9	998.1	1000.0	1000.0	1009.5	1024.7
7.5°	1032.4	1032.4	1028.6	1028.6	1022.8	1005.7	1000.0	998.1	1000.0	1003.8	1024.7
10°	1060.9	1059.0	1049.5	1038.1	1030.5	1015.2	1001.9	1000.0	1001.9	1007.6	1030.5
12.5°	1091.3	1091.3	1087.5	1078.0	1057.1	1041.9	1019.0	1011.4	1009.5	1015.2	1028.6
15°	1152.1	1144.5	1129.3	1116.0	1100.8	1076.1	1045.7	1032.4	1028.6	1036.2	1030.5
17.5°	1188.3	1182.5	1184.4	1163.5	1150.2	1116.0	1085.6	1060.9	1059.0	1066.6	1041.9
20°	1228.2	1226.3	1230.1	1228.2	1207.3	1176.8	1129.3	1098.9	1095.1	1097.0	1059.0
22.5°	1289.0	1289.0	1287.1	1287.1	1275.7	1239.6	1186.4	1155.9	1150.2	1136.9	1087.5
25°	1355.6	1355.6	1355.6	1359.4	1359.4	1317.5	1264.3	1230.1	1226.3	1207.3	1135.0
27.5°	1418.3	1422.1	1424.0	1425.9	1431.6	1412.6	1353.7	1313.7	1311.8	1287.1	1197.8
30°	1467.7	1469.6	1486.7	1490.5	1501.9	1496.2	1439.2	1401.2	1405.0	1372.7	1268.1
32.5°	1511.5	1513.4	1538.1	1551.4	1564.7	1566.6	1519.1	1492.4	1492.4	1463.9	1353.7
35°	1553.3	1555.2	1585.6	1617.9	1644.5	1636.9	1610.3	1595.1	1600.8	1591.3	1471.5
37.5°	1589.4	1597.0	1636.9	1684.5	1714.9	1720.6	1709.2	1730.1	1741.5	1756.7	1631.2
40°	1623.6	1627.4	1665.5	1714.9	1766.2	1792.8	1806.1	1891.7	1903.1	1914.5	1722.5
42.5°	1591.3	1598.9	1680.7	1754.8	1819.5	1865.1	1927.8	2053.3	2078.0	2015.3	1846.1
45°	1553.3	1562.8	1644.5	1770.0	1861.3	1944.9	2060.9	2194.0	2213.0	2117.9	1912.6
47.5°	1521.0	1532.4	1616.0	1756.7	1905.0	2053.3	2169.3	2319.5	2330.9	2205.4	2003.9
50°	1484.8	1494.3	1583.7	1739.6	1927.8	2152.2	2283.3	2433.5	2437.3	2277.6	2051.4
52.5°	1437.3	1446.8	1538.1	1713.0	1944.9	2218.7	2378.4	2517.2	2502.0	2370.8	2106.5
55°	1376.5	1389.8	1488.6	1676.9	1954.4	2258.6	2443.0	2595.1	2587.5	2481.1	2178.8
57.5°	1311.8	1325.1	1425.9	1627.4	1944.9	2283.3	2509.6	2730.1	2728.2	2570.4	2232.0
60°	1239.6	1251.0	1336.5	1562.8	1893.6	2323.3	2656.0	2876.5	2891.7	2671.2	2252.9
62.5°	1144.5	1146.4	1232.0	1469.6	1827.1	2351.8	2760.5	3015.3	3005.8	2737.7	2256.7
65°	1019.0	1024.7	1100.8	1340.3	1718.7	2329.0	2787.2	3078.0	3078.0	2787.2	2252.9
67.5°	897.4	895.5	960.1	1178.7	1551.4	2228.2	2764.3	3104.7	3118.0	2819.5	2203.5
70°	732.0	728.2	777.6	981.0	1311.8	2041.9	2705.4	3127.5	3125.6	2781.5	2098.9
72.5°	541.8	539.9	574.2	743.4	1003.8	1747.2	2530.5	2960.2	2941.2	2598.9	1895.5
75°	300.4	285.2	283.3	460.1	583.7	1224.4	2150.3	2610.4	2618.0	2296.7	1587.5
77.5°	43.7	45.6	47.5	83.7	100.8	458.2	1397.4	1967.7	1963.9	1771.9	1157.8
80°	30.4	32.3	34.2	41.8	47.5	108.4	482.9	992.4	1049.5	931.6	534.2
82.5°	22.8	22.8	24.7	28.5	26.6	49.4	150.2	275.7	285.2	258.6	157.8
85°	15.2	15.2	13.3	15.2	9.5	13.3	34.2	51.3	55.1	53.2	43.7
87.5°	7.6	7.6	5.7	5.7	3.8	3.8	3.8	1.9	3.8	1.9	3.8
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°	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3	1034.3
2.5°	1028.6	1032.4	1043.8	1053.3	1064.7	1078.0	1085.6	1093.2	1100.8	1097.0	1102.7
5°	1032.4	1040.0	1057.1	1074.2	1083.7	1085.6	1087.5	1093.2	1104.6	1104.6	1114.1
7.5°	1036.2	1049.5	1049.5	1059.0	1072.3	1076.1	1078.0	1081.8	1087.5	1089.4	1087.5
10°	1036.2	1030.5	1040.0	1041.9	1036.2	1045.7	1051.4	1049.5	1055.2	1057.1	1057.1
12.5°	1024.7	1022.8	1015.2	1015.2	1013.3	998.1	998.1	1013.3	1013.3	1022.8	1024.7
15°	1024.7	1009.5	1000.0	986.7	973.4	967.7	960.1	948.7	952.5	965.8	969.6
17.5°	1022.8	1005.7	977.2	950.6	941.1	918.3	910.7	910.7	908.8	916.4	918.3
20°	1030.5	1005.7	962.0	931.6	880.3	872.7	857.4	859.3	861.2	849.8	844.1
22.5°	1051.4	1020.9	950.6	891.7	851.7	817.5	789.0	770.0	768.1	762.4	768.1
25°	1083.7	1047.6	952.5	868.8	804.2	754.8	735.8	690.1	669.2	671.1	682.5
27.5°	1142.6	1079.9	962.0	844.1	766.2	695.8	635.0	606.5	583.7	583.7	587.5
30°	1197.8	1129.3	958.2	823.2	707.2	619.8	541.8	496.2	488.6	481.0	479.1
32.5°	1300.4	1192.1	996.2	792.8	652.1	522.8	444.9	382.1	387.8	389.7	393.5
35°	1403.1	1292.8	1003.8	754.8	572.3	425.9	344.1	309.9	325.1	328.9	332.7
37.5°	1540.0	1418.3	1055.2	720.6	490.5	327.0	273.8	258.6	273.8	273.8	275.7
40°	1614.1	1477.2	1097.0	686.3	384.0	241.5	214.8	203.4	222.4	237.7	241.5
42.5°	1718.7	1553.3	1135.0	617.9	271.9	180.6	165.4	188.2	218.6	233.8	235.7
45°	1771.9	1591.3	1121.7	526.6	178.7	146.4	161.6	190.1	220.5	235.7	237.7
47.5°	1844.2	1644.5	1095.1	420.2	142.6	144.5	163.5	195.8	226.2	239.6	241.5
50°	1914.5	1699.7	1026.6	334.6	136.9	144.5	167.3	197.7	224.3	233.8	231.9
52.5°	1954.4	1751.0	939.2	254.8	136.9	146.4	171.1	201.5	222.4	224.3	224.3
55°	1990.6	1756.7	866.9	197.7	135.0	148.3	174.9	205.3	224.3	224.3	220.5
57.5°	2013.4	1733.9	811.8	171.1	135.0	148.3	174.9	205.3	233.8	239.6	233.8
60°	2003.9	1690.2	773.8	159.7	131.2	146.4	173.0	211.0	287.1	300.4	289.0
62.5°	1981.1	1665.5	692.0	146.4	125.5	140.7	169.2	228.1	308.0	309.9	300.4
65°	1960.1	1583.7	593.2	131.2	117.9	135.0	163.5	231.9	260.5	251.0	249.1
67.5°	1865.1	1477.2	452.5	116.0	106.5	127.4	157.8	212.9	231.9	220.5	216.7
70°	1730.1	1290.9	302.3	98.9	95.1	117.9	157.8	199.6	207.2	188.2	180.6
72.5°	1482.9	1068.5	165.4	79.9	79.9	108.4	142.6	186.3	192.0	169.2	155.9
75°	1207.3	773.8	106.5	60.8	60.8	91.3	129.3	176.8	188.2	163.5	146.4
77.5°	830.8	424.0	74.1	43.7	39.9	70.3	102.7	144.5	167.3	140.7	119.8
80°	281.4	112.2	47.5	28.5	24.7	39.9	68.4	112.2	152.1	144.5	129.3
82.5°	110.3	70.3	32.3	19.0	17.1	19.0	34.2	70.3	121.7	131.2	152.1
85°	32.3	19.0	11.4	9.5	9.5	9.5	9.5	28.5	72.2	95.1	119.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	17.1	30.4	39.9
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)