

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: P691693

Luminaire Tested: **CRTK2-C018-D-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T3-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6054 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

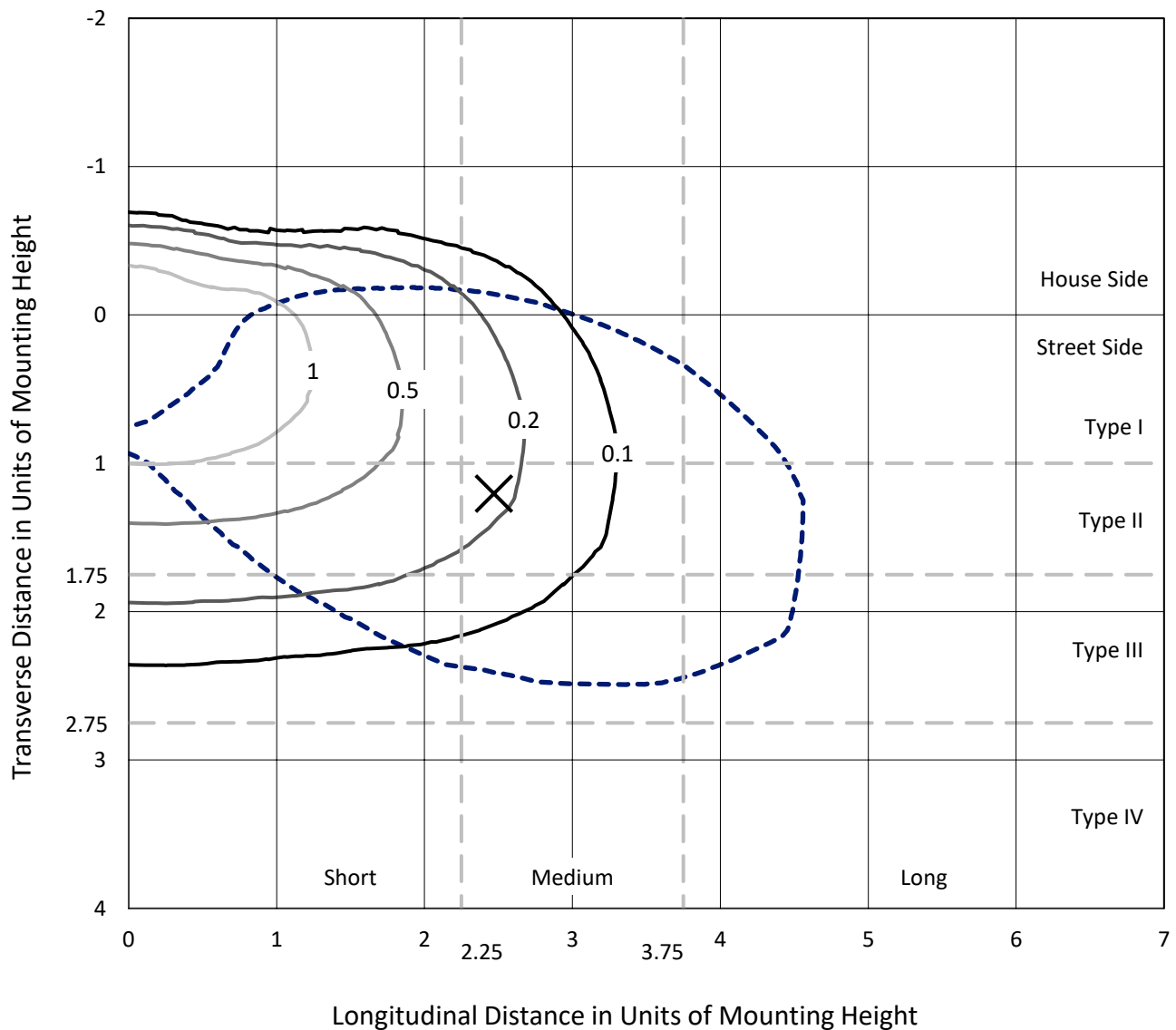


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

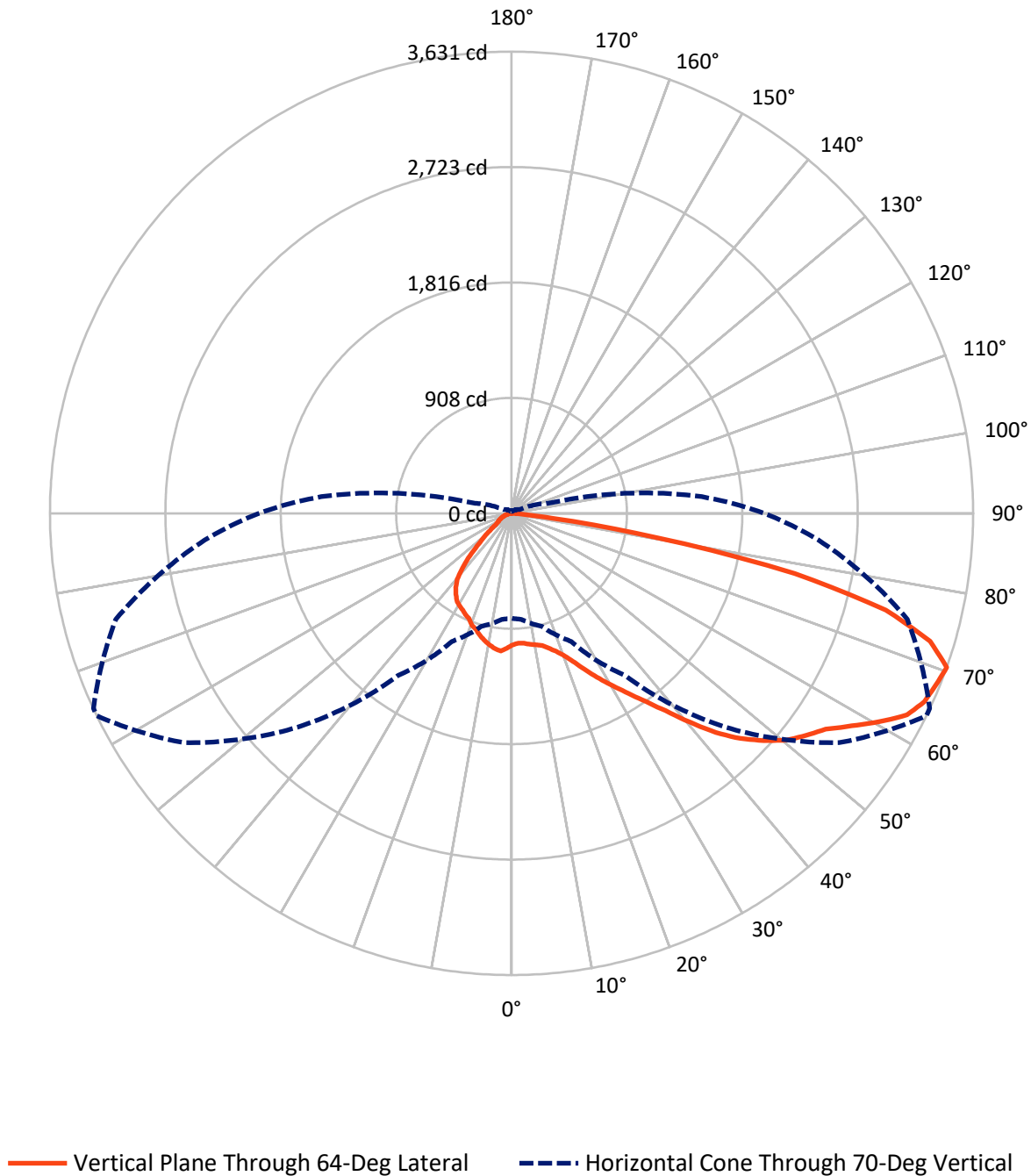


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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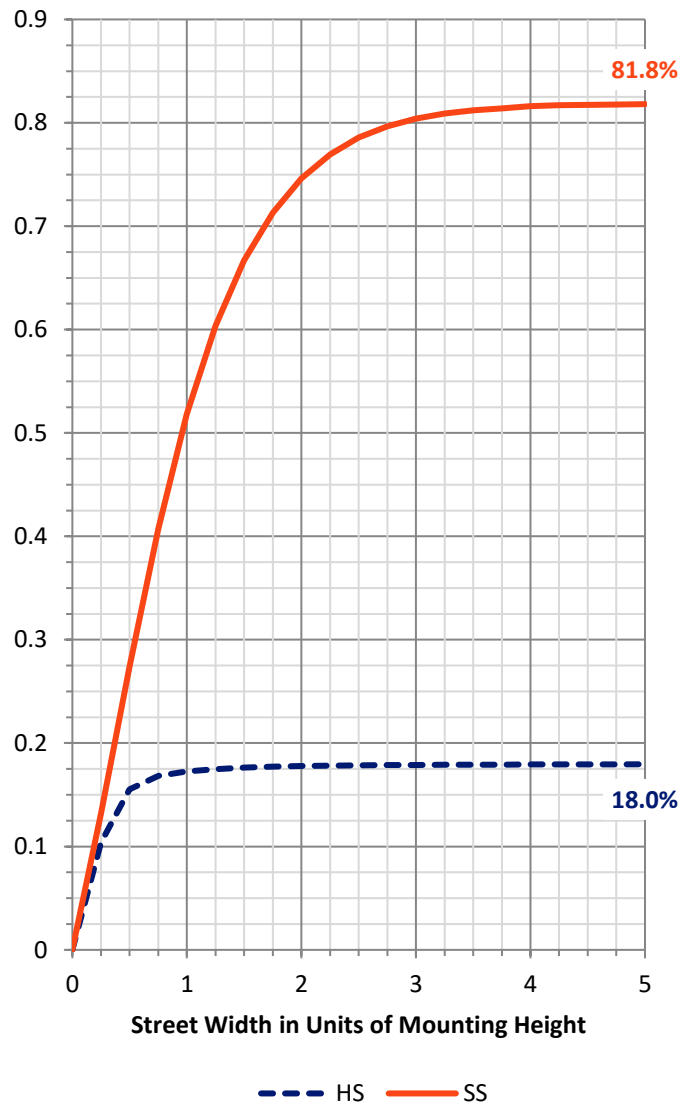
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.3	0.0	1100.3
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	4953.7	0.0	4953.7
	% Fixture	81.8	0.0	81.8
Total	Lumens	6054.0	0.0	6054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.7
10°-20°	298.0	4.9
20°-30°	502.1	8.3
30°-40°	739.0	12.2
40°-50°	1013.4	16.7
50°-60°	1233.1	20.4
60°-70°	1309.1	21.6
70°-80°	802.5	13.3
80°-90°	56.0	0.9
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°	6054.0	100.0
0°-180°	6054.0	100.0

Coefficient of Utilization



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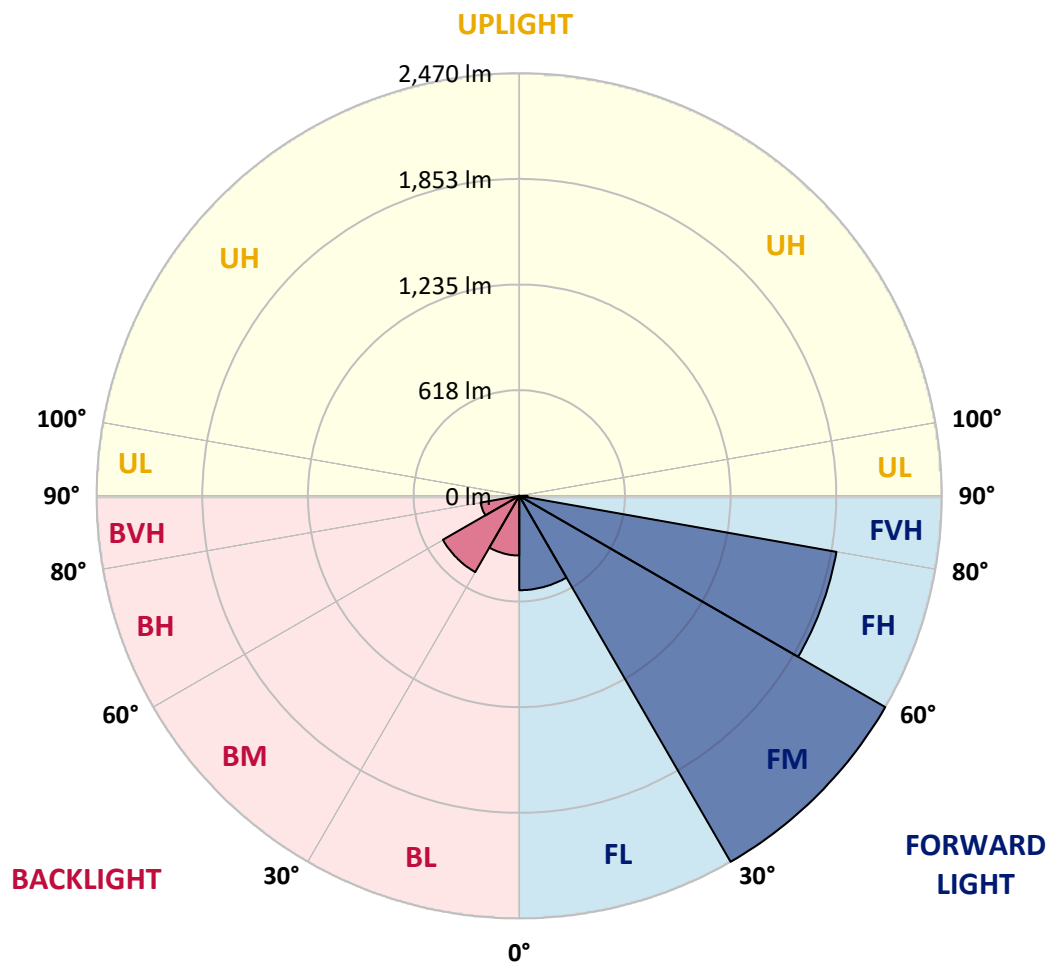
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	551.8	9.1			
FM	(30°-60°)	2470.5	40.8			
FH	(60°-80°)	1882.6	31.1			G2/5000
FVH	(80°-90°)	48.8	0.8			G1/100
BL	(0°-30°)	349.0	5.8	B1/500		
BM	(30°-60°)	515.0	8.5	B1/1000		
BH	(60°-80°)	229.1	3.8	B1/500		G1/500
BVH	(80°-90°)	7.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7
2.5°	1022.6	1022.6	1024.8	1022.6	1027.1	1020.4	1022.6	1022.6	1022.6	1024.8	1031.5
5°	1053.7	1053.7	1049.3	1042.6	1035.9	1027.1	1027.1	1027.1	1027.1	1031.5	1047.0
7.5°	1073.7	1071.4	1071.4	1071.4	1064.8	1047.0	1042.6	1040.4	1040.4	1040.4	1055.9
10°	1122.5	1115.8	1106.9	1093.6	1087.0	1071.4	1053.7	1051.5	1051.5	1053.7	1073.7
12.5°	1169.0	1162.4	1162.4	1153.5	1126.9	1109.1	1078.1	1067.0	1067.0	1071.4	1082.5
15°	1246.7	1240.0	1222.3	1206.7	1182.3	1151.3	1120.2	1100.3	1098.1	1106.9	1091.4
17.5°	1302.1	1291.0	1293.3	1268.9	1248.9	1204.5	1173.5	1142.4	1142.4	1151.3	1120.2
20°	1355.4	1355.4	1357.6	1355.4	1322.1	1286.6	1235.6	1197.9	1200.1	1202.3	1153.5
22.5°	1435.2	1433.0	1433.0	1435.2	1413.0	1373.1	1317.7	1275.5	1273.3	1255.6	1195.7
25°	1528.4	1524.0	1515.1	1524.0	1512.9	1466.3	1413.0	1370.9	1364.2	1339.8	1257.8
27.5°	1606.0	1606.0	1606.0	1610.5	1610.5	1577.2	1517.3	1472.9	1477.4	1444.1	1331.0
30°	1661.5	1661.5	1681.5	1690.3	1697.0	1685.9	1621.6	1575.0	1583.9	1543.9	1421.9
32.5°	1721.4	1719.2	1745.8	1765.8	1774.6	1779.1	1725.8	1688.1	1690.3	1654.8	1526.2
35°	1776.8	1772.4	1807.9	1850.1	1872.2	1867.8	1830.1	1816.8	1821.2	1810.1	1668.2
37.5°	1816.8	1823.4	1870.0	1925.5	1961.0	1969.8	1945.4	1969.8	1994.2	2009.8	1852.3
40°	1861.1	1861.1	1905.5	1965.4	2020.9	2054.1	2071.9	2160.6	2180.6	2191.7	1961.0
42.5°	1816.8	1832.3	1925.5	2012.0	2085.2	2136.2	2209.4	2358.0	2380.2	2311.5	2105.2
45°	1779.1	1792.4	1885.5	2032.0	2138.4	2238.3	2371.3	2526.6	2548.8	2431.2	2187.2
47.5°	1741.4	1756.9	1854.5	2016.4	2187.2	2351.4	2502.2	2670.8	2681.9	2535.5	2295.9
50°	1699.2	1714.7	1816.8	1996.5	2216.1	2473.4	2630.9	2803.9	2806.1	2626.5	2351.4
52.5°	1646.0	1665.9	1768.0	1967.6	2240.5	2555.5	2746.2	2901.5	2888.2	2737.4	2417.9
55°	1579.4	1601.6	1714.7	1929.9	2253.8	2608.7	2821.7	2996.9	2988.0	2866.0	2504.4
57.5°	1504.0	1528.4	1646.0	1872.2	2249.3	2635.3	2899.3	3154.4	3158.8	2972.5	2568.8
60°	1417.5	1439.7	1550.6	1796.8	2191.7	2684.1	3065.7	3327.4	3343.0	3090.1	2595.4
62.5°	1304.4	1324.3	1430.8	1685.9	2118.5	2719.6	3192.1	3491.6	3484.9	3169.9	2604.3
65°	1162.4	1184.6	1284.4	1539.5	2003.1	2697.4	3232.0	3569.2	3569.2	3227.6	2597.6
67.5°	1018.2	1038.2	1122.5	1353.2	1816.8	2586.5	3207.6	3600.3	3620.2	3265.3	2537.7
70°	825.2	836.3	920.6	1111.4	1557.2	2378.0	3145.5	3631.3	3629.1	3223.2	2424.6
72.5°	605.6	618.9	687.7	834.1	1204.5	2058.6	2950.3	3442.8	3407.3	2996.9	2205.0
75°	312.8	326.1	379.3	523.5	767.5	1453.0	2515.5	3041.3	3034.6	2653.1	1825.7
77.5°	42.1	42.1	48.8	86.5	177.5	579.0	1648.2	2278.2	2264.9	2023.1	1326.5
80°	28.8	28.8	33.3	39.9	51.0	126.4	581.2	1155.7	1175.7	1042.6	594.5
82.5°	22.2	20.0	24.4	28.8	31.1	57.7	177.5	319.4	323.9	290.6	181.9
85°	13.3	13.3	13.3	13.3	11.1	15.5	39.9	53.2	59.9	57.7	46.6
87.5°	6.7	6.7	6.7	4.4	2.2	2.2	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°	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7	1033.7
2.5°	1033.7	1040.4	1049.3	1060.3	1071.4	1080.3	1089.2	1093.6	1098.1	1100.3	1102.5
5°	1051.5	1060.3	1071.4	1087.0	1087.0	1080.3	1075.9	1075.9	1080.3	1087.0	1089.2
7.5°	1069.2	1078.1	1073.7	1071.4	1073.7	1064.8	1053.7	1047.0	1042.6	1042.6	1047.0
10°	1075.9	1067.0	1062.6	1051.5	1029.3	1024.8	1016.0	998.2	993.8	998.2	982.7
12.5°	1071.4	1064.8	1042.6	1024.8	1002.7	965.0	942.8	942.8	931.7	929.5	931.7
15°	1082.5	1060.3	1033.7	996.0	956.1	925.0	889.5	858.5	849.6	851.8	851.8
17.5°	1091.4	1069.2	1016.0	958.3	922.8	867.4	827.4	809.7	794.1	791.9	791.9
20°	1111.4	1080.3	1004.9	942.8	854.0	811.9	767.5	745.3	720.9	687.7	676.6
22.5°	1142.4	1100.3	998.2	900.6	823.0	756.4	692.1	625.6	585.6	559.0	565.7
25°	1184.6	1138.0	1004.9	885.1	776.4	692.1	607.8	516.9	457.0	439.2	450.3
27.5°	1260.0	1180.1	1024.8	862.9	743.1	616.7	490.2	410.4	354.9	337.2	343.8
30°	1328.8	1244.5	1027.1	849.6	689.9	528.0	386.0	297.3	252.9	226.3	219.6
32.5°	1453.0	1313.2	1082.5	831.9	634.4	430.3	283.9	197.4	157.5	142.0	137.5
35°	1575.0	1435.2	1098.1	798.6	532.4	319.4	175.2	117.6	95.4	84.3	82.1
37.5°	1743.6	1583.9	1162.4	763.1	430.3	195.2	106.5	71.0	66.5	64.3	64.3
40°	1827.9	1661.5	1215.6	712.1	301.7	110.9	68.8	62.1	59.9	57.7	57.7
42.5°	1947.7	1750.2	1260.0	621.1	177.5	73.2	62.1	57.7	55.5	53.2	53.2
45°	2014.2	1796.8	1248.9	510.2	88.7	68.8	59.9	55.5	51.0	51.0	51.0
47.5°	2102.9	1865.6	1220.1	377.1	79.9	66.5	57.7	53.2	51.0	53.2	51.0
50°	2187.2	1932.1	1140.2	299.5	77.6	64.3	57.7	51.0	51.0	51.0	51.0
52.5°	2233.8	1994.2	1040.4	219.6	79.9	64.3	55.5	51.0	51.0	48.8	51.0
55°	2278.2	2003.1	960.5	159.7	79.9	62.1	53.2	48.8	46.6	44.4	44.4
57.5°	2309.2	1983.1	896.2	133.1	79.9	62.1	51.0	46.6	39.9	37.7	37.7
60°	2300.4	1934.3	842.9	122.0	75.4	57.7	46.6	39.9	35.5	31.1	31.1
62.5°	2276.0	1905.5	745.3	106.5	68.8	53.2	42.1	33.3	28.8	26.6	26.6
65°	2253.8	1814.6	632.2	95.4	64.3	46.6	35.5	28.8	24.4	22.2	22.2
67.5°	2147.3	1694.8	470.3	82.1	57.7	42.1	31.1	26.6	22.2	20.0	17.7
70°	1989.8	1501.8	308.3	71.0	51.0	35.5	26.6	22.2	17.7	15.5	15.5
72.5°	1721.4	1240.0	159.7	57.7	42.1	31.1	24.4	20.0	15.5	13.3	13.3
75°	1397.5	911.7	95.4	44.4	33.3	26.6	20.0	15.5	13.3	11.1	11.1
77.5°	967.2	503.6	68.8	33.3	22.2	20.0	15.5	13.3	11.1	8.9	8.9
80°	326.1	137.5	48.8	24.4	15.5	15.5	11.1	8.9	8.9	6.7	6.7
82.5°	128.7	84.3	33.3	17.7	13.3	11.1	8.9	6.7	6.7	6.7	6.7
85°	35.5	24.4	13.3	8.9	6.7	6.7	6.7	4.4	4.4	4.4	4.4
87.5°	2.2	4.4	4.4	4.4	4.4	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

(END OF REPORT)