

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: P286938

Luminaire Tested: **USSL-C01-D-U-T2-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C01-D-U-T2-AP-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE II OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7412.9 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 52
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: 28.75 FT

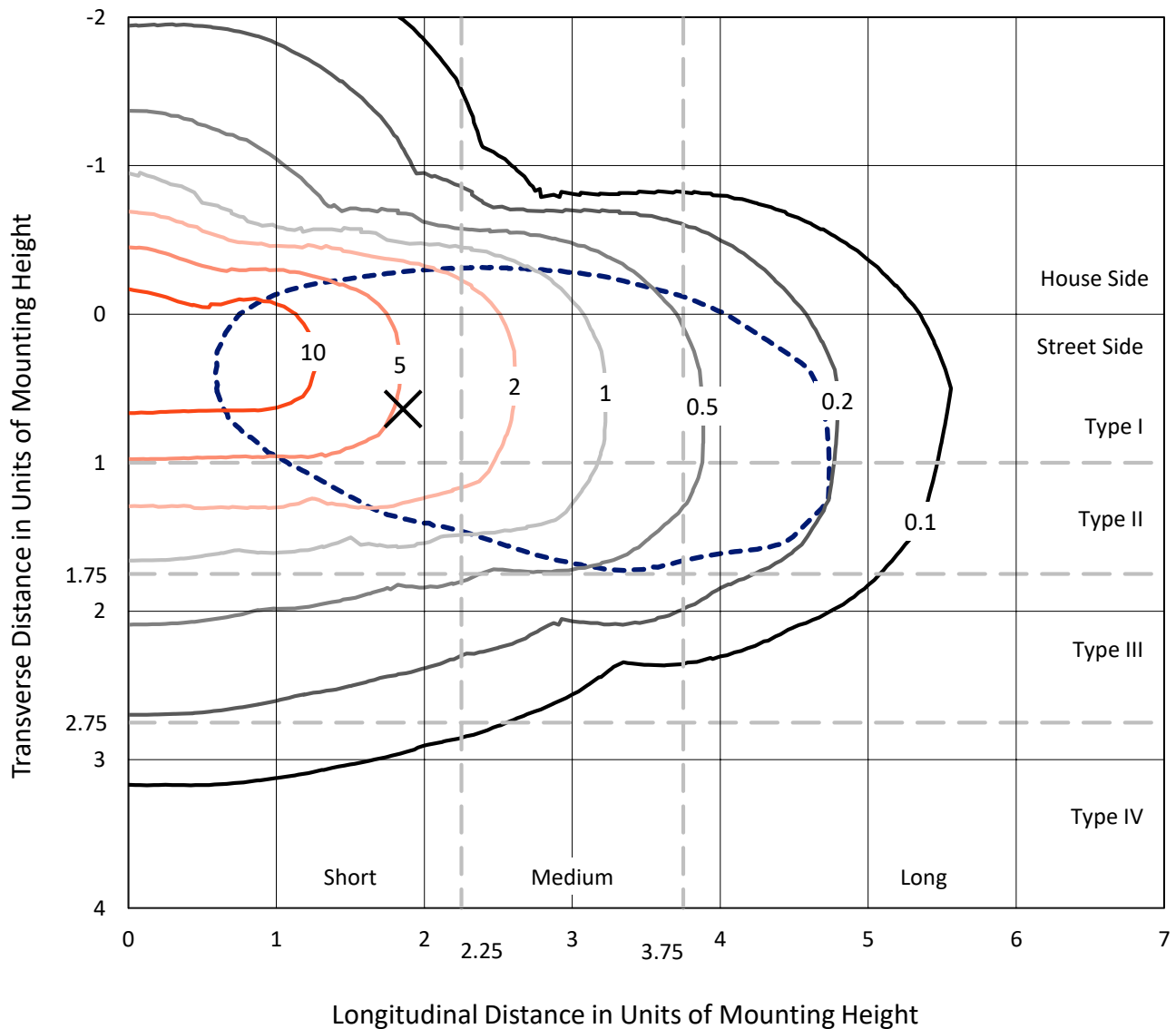


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

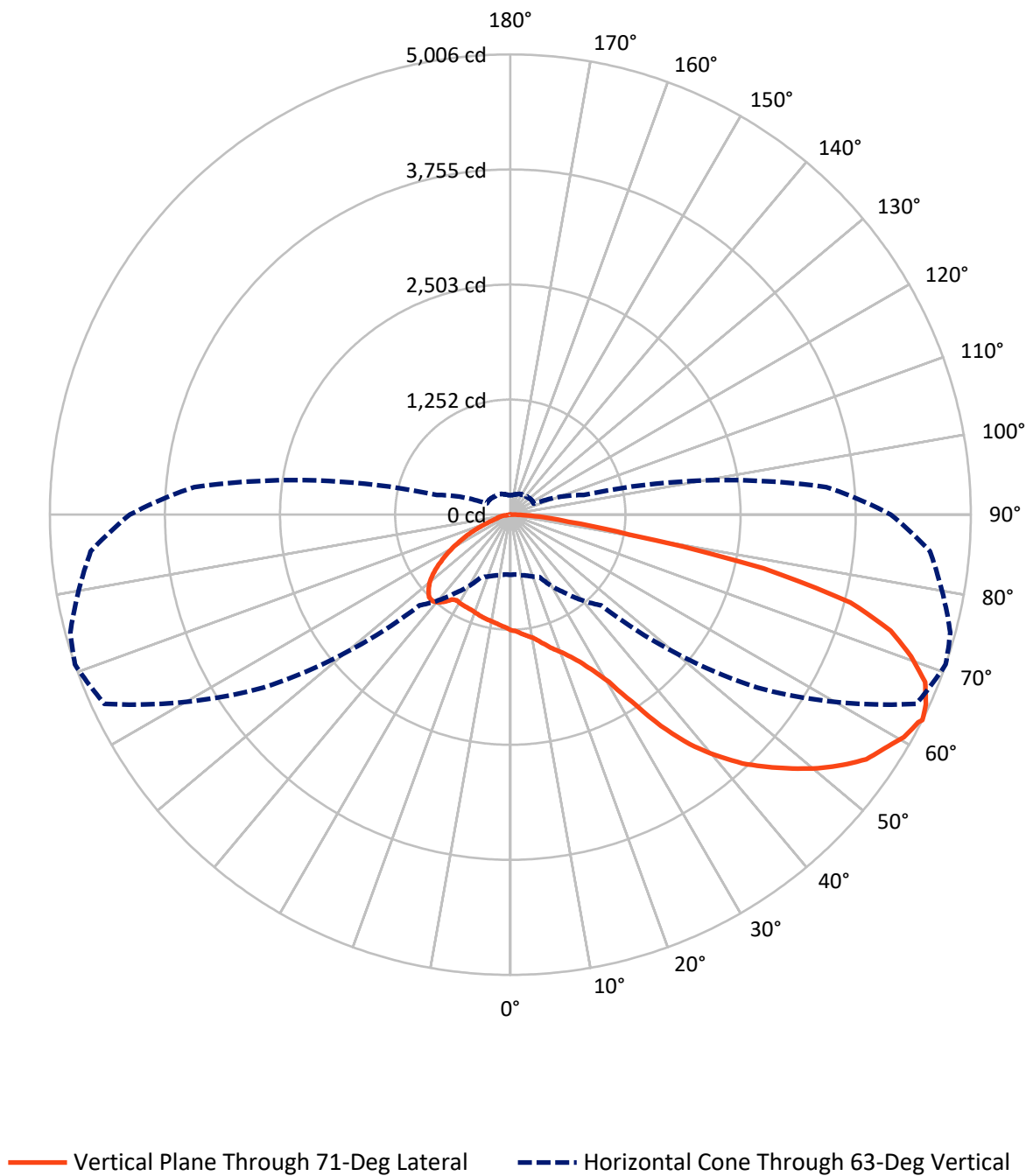


Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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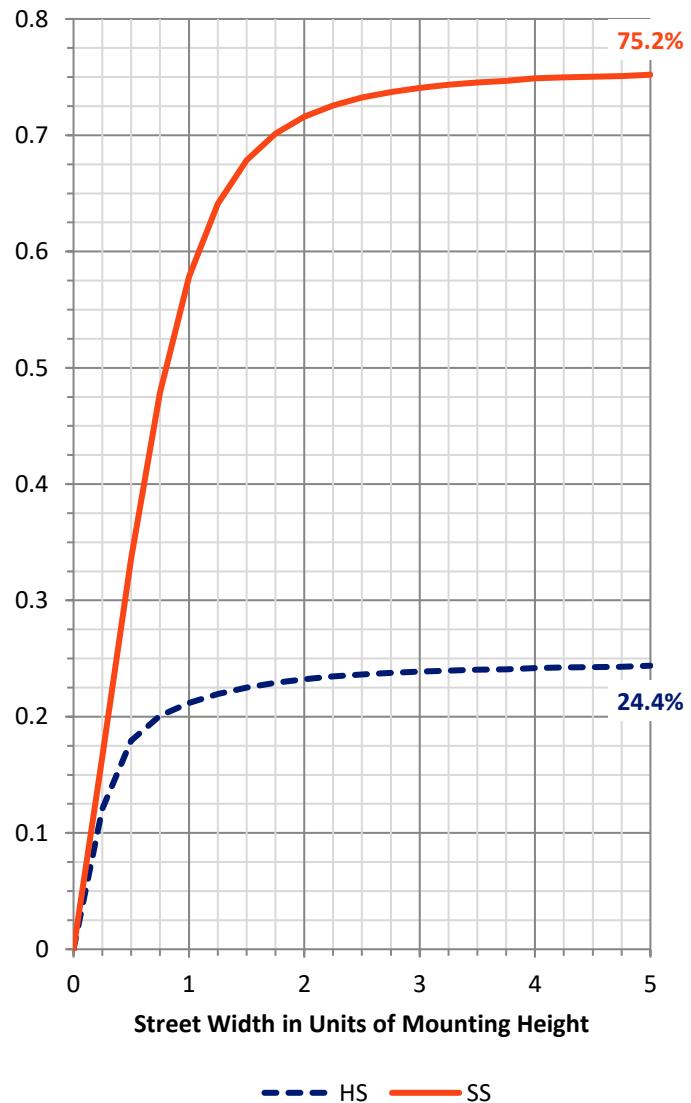
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1838.5	0.0	1838.5
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	5574.5	0.0	5574.5
	% Fixture	75.2	0.0	75.2
Total	Lumens	7412.9	0.0	7412.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	1.6
10°-20°	368.9	5.0
20°-30°	622.9	8.4
30°-40°	936.1	12.6
40°-50°	1286.8	17.4
50°-60°	1496.2	20.2
60°-70°	1487.5	20.1
70°-80°	938.9	12.7
80°-90°	154.7	2.1
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°	7412.9	100.0
0°-180°	7412.9	100.0

Coefficient of Utilization



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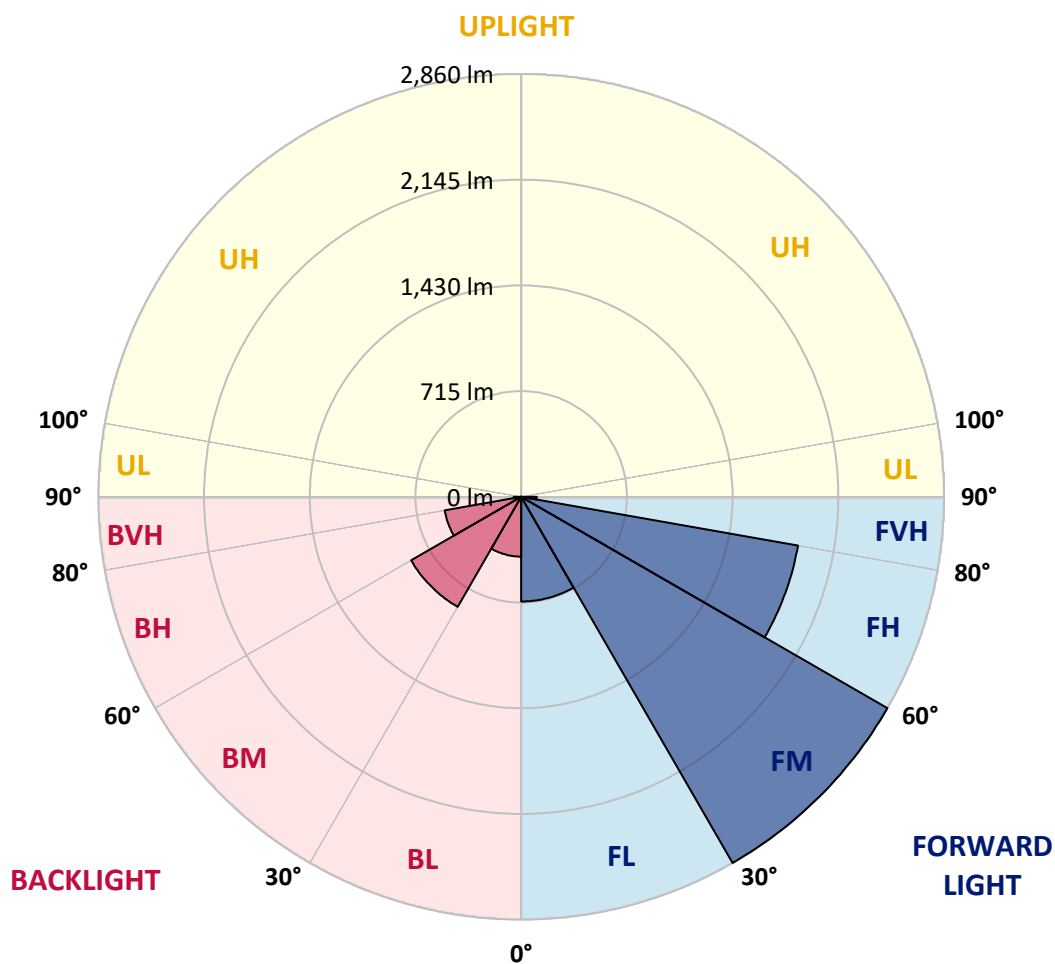
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.1	9.6			
FM	(30°-60°)	2859.9	38.6			
FH	(60°-80°)	1901.2	25.6			G2/5000
FVH	(80°-90°)	105.2	1.4			G2/225
BL	(0°-30°)	404.6	5.5	B1/500		
BM	(30°-60°)	859.2	11.6	B1/1000		
BH	(60°-80°)	525.2	7.1	B2/1000		G2/1000
BVH	(80°-90°)	49.5	0.7			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3
2.5°	1347.3	1345.1	1342.3	1323.8	1320.5	1309.3	1297.3	1284.4	1269.9	1271.7	1254.0
5°	1422.9	1418.3	1416.3	1388.9	1368.6	1356.4	1340.0	1310.4	1302.1	1295.5	1261.2
7.5°	1483.6	1485.9	1481.8	1455.9	1435.5	1415.3	1386.3	1342.6	1331.8	1318.0	1284.0
10°	1532.9	1538.3	1535.4	1505.8	1488.4	1468.5	1433.4	1388.6	1363.6	1343.6	1289.4
12.5°	1592.2	1589.0	1589.7	1561.4	1546.3	1519.2	1493.5	1442.4	1413.9	1386.3	1314.4
15°	1666.4	1662.0	1656.6	1629.5	1606.7	1590.8	1563.2	1506.4	1475.4	1449.3	1354.1
17.5°	1732.2	1717.0	1714.5	1684.5	1666.4	1645.1	1626.2	1577.8	1539.1	1505.4	1397.9
20°	1776.4	1768.8	1758.7	1741.3	1733.7	1717.8	1694.3	1641.0	1597.7	1563.2	1435.2
22.5°	1806.1	1801.7	1801.7	1796.3	1799.9	1793.4	1774.6	1724.2	1679.7	1631.0	1492.3
25°	1814.8	1801.3	1820.5	1841.5	1866.8	1878.0	1860.7	1825.9	1781.5	1733.7	1566.2
27.5°	1820.9	1818.7	1842.5	1878.4	1942.5	1968.1	1968.1	1948.6	1920.0	1863.5	1673.3
30°	1821.5	1822.3	1854.5	1909.8	1996.3	2067.7	2071.3	2123.3	2108.5	2065.1	1837.1
32.5°	1769.8	1768.0	1816.6	1913.1	2038.0	2151.6	2210.5	2353.4	2421.8	2424.7	2193.9
35°	1665.3	1678.7	1755.0	1881.3	2067.2	2247.1	2383.5	2674.7	2822.6	2819.0	2542.3
37.5°	1582.9	1593.7	1681.6	1847.3	2086.4	2334.2	2577.8	3031.4	3168.1	3156.3	2819.8
40°	1507.9	1520.6	1608.2	1787.9	2079.9	2433.4	2793.7	3340.1	3443.8	3427.2	3081.0
42.5°	1418.3	1427.6	1514.5	1705.1	2061.5	2501.4	2988.0	3621.9	3699.6	3654.7	3285.4
45°	1329.2	1336.1	1430.9	1596.5	2003.2	2546.3	3181.9	3878.0	3914.2	3878.4	3511.1
47.5°	1216.3	1223.2	1332.8	1501.8	1903.1	2544.8	3363.2	4094.0	4128.0	4080.2	3681.1
50°	935.3	942.1	1166.7	1404.8	1763.4	2510.5	3508.3	4294.1	4336.4	4266.5	3873.0
52.5°	849.8	853.1	914.3	1284.4	1585.0	2414.6	3613.9	4473.1	4524.8	4448.9	4039.4
55°	810.7	807.9	832.9	1034.4	1447.5	2261.9	3694.2	4642.8	4695.7	4619.3	4187.7
57.5°	749.2	754.0	796.3	885.7	1323.1	1983.3	3665.7	4802.0	4796.9	4738.3	4333.5
60°	705.2	707.3	749.2	812.9	1174.1	1666.4	3544.8	4890.3	4914.5	4836.3	4459.4
62.5°	659.2	662.1	697.8	755.8	1057.9	1433.7	3350.9	4885.2	4977.1	4929.0	4573.4
63°	653.4	652.7	685.2	748.2	1040.2	1394.3	3279.6	4869.3	5006.0	4951.7	4578.8
65°	607.9	610.7	645.5	703.3	964.2	1286.2	3078.1	4761.8	4965.5	4970.2	4628.7
67.5°	541.6	546.0	575.6	629.2	819.1	1128.1	2549.2	4700.0	4862.8	4891.3	4565.7
70°	463.5	468.2	499.2	548.8	694.2	963.0	1894.7	4431.5	4621.5	4672.5	4281.4
72.5°	367.3	373.4	412.8	462.8	569.5	791.2	1333.6	3993.1	4324.8	4335.3	3884.5
75°	239.5	244.2	301.3	371.2	460.5	626.6	881.0	3057.1	3819.8	3884.1	3329.6
77.5°	141.5	148.0	176.2	204.5	291.6	472.1	572.3	1628.0	2813.6	3018.7	2627.3
80°	38.4	42.3	133.5	155.9	186.3	203.7	352.4	898.7	1302.4	1653.8	1769.5
82.5°	19.9	24.6	74.5	100.3	106.7	103.4	162.8	417.8	636.8	746.0	888.5
85°	9.0	10.8	24.6	36.6	29.7	28.2	54.3	218.1	356.0	413.1	446.9
87.5°	3.3	4.0	8.7	13.4	7.9	6.1	7.6	65.8	137.5	173.6	157.7
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°	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3
2.5°	1241.2	1252.2	1237.6	1221.0	1209.5	1203.0	1197.5	1185.2	1188.8	1193.6	1192.8
5°	1253.2	1254.7	1221.0	1199.7	1174.4	1159.8	1154.4	1133.5	1135.7	1137.8	1137.5
7.5°	1260.9	1247.4	1206.6	1175.4	1148.7	1126.6	1106.0	1085.0	1081.0	1085.0	1088.3
10°	1263.0	1242.7	1196.4	1153.1	1116.8	1085.3	1067.3	1034.4	1028.5	1036.5	1041.6
12.5°	1282.9	1249.2	1189.2	1138.2	1095.8	1054.3	1022.8	986.2	968.9	975.4	981.6
15°	1307.5	1260.9	1183.1	1119.4	1063.0	1016.2	975.0	935.6	913.8	922.5	926.9
17.5°	1337.2	1282.2	1182.6	1088.6	1027.8	971.4	929.7	887.1	847.0	861.1	856.4
20°	1370.1	1300.6	1180.5	1060.0	984.8	916.8	861.4	833.2	791.6	792.0	785.8
22.5°	1409.1	1325.9	1178.0	1032.9	932.3	863.6	794.5	762.0	727.9	715.2	711.3
25°	1470.6	1366.4	1182.3	1014.4	887.1	794.1	713.1	671.1	656.6	640.7	633.8
27.5°	1554.2	1422.9	1191.8	990.9	830.3	720.7	621.2	580.7	570.5	558.6	550.6
30°	1676.9	1503.6	1203.0	964.2	764.5	621.2	529.6	500.4	484.1	477.9	473.2
32.5°	1988.4	1730.4	1211.6	929.1	696.0	525.3	459.1	429.8	407.0	396.2	397.3
35°	2307.8	2005.4	1273.2	887.1	612.1	445.4	397.3	361.1	333.2	325.9	320.9
37.5°	2558.2	2231.5	1413.9	844.7	531.9	399.1	336.4	305.0	281.5	279.7	290.8
40°	2794.4	2439.1	1530.0	795.9	448.7	346.3	274.9	262.3	251.8	254.4	269.5
42.5°	2990.5	2625.5	1625.5	725.7	381.4	286.5	234.8	248.2	251.4	254.7	255.8
45°	3182.7	2772.4	1677.3	633.8	322.0	238.4	230.4	255.4	260.8	265.5	259.8
47.5°	3380.9	2938.0	1676.5	520.9	277.5	233.0	239.5	255.4	264.9	270.6	268.8
50°	3539.3	3061.1	1655.1	409.9	266.2	245.7	244.2	244.9	260.1	264.1	264.4
52.5°	3689.5	3177.3	1567.3	336.8	281.8	260.1	249.6	240.9	247.5	256.9	246.4
55°	3836.0	3278.2	1411.4	316.9	289.5	272.4	260.8	245.7	239.1	237.0	240.6
57.5°	3956.5	3362.1	1228.3	307.9	291.6	273.6	280.0	245.3	238.1	221.4	219.6
60°	4074.0	3441.7	1048.1	295.2	289.8	271.3	261.2	251.4	234.0	209.1	200.1
62.5°	4147.2	3466.3	859.6	284.4	281.8	268.8	254.7	250.0	230.1	210.9	208.4
63°	4136.7	3448.9	826.7	282.6	280.0	267.0	255.0	248.2	228.3	213.0	212.0
65°	4162.0	3349.4	681.2	271.3	272.4	261.9	249.6	237.3	212.0	201.2	199.4
67.5°	4041.9	3167.8	491.7	250.7	260.8	254.0	238.8	216.3	192.8	178.7	178.0
70°	3726.7	2823.8	337.9	213.8	242.4	242.7	233.4	204.5	178.7	162.8	165.0
72.5°	3281.5	2467.3	217.8	166.4	208.4	223.2	217.8	193.2	159.5	130.6	128.5
75°	2803.4	2012.2	160.7	134.2	153.8	198.6	190.3	157.4	133.9	115.4	113.9
77.5°	2104.1	1455.1	142.1	114.7	114.4	134.6	156.7	154.9	158.8	191.0	186.6
80°	1456.5	1026.7	113.2	93.0	69.8	85.0	132.1	163.9	204.5	118.7	111.4
82.5°	842.9	557.5	36.9	29.3	42.7	55.0	97.0	203.7	135.3	70.9	63.7
85°	396.9	211.7	15.9	9.0	12.6	18.4	54.6	172.2	86.5	35.5	6.5
87.5°	123.1	58.3	3.6	2.9	3.3	4.0	23.1	90.4	59.4	4.0	0.0
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)