

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: P287002

Luminaire Tested: **USSL-C01-D-U-T2-BZ-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-5)
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-BZ-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6432 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

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



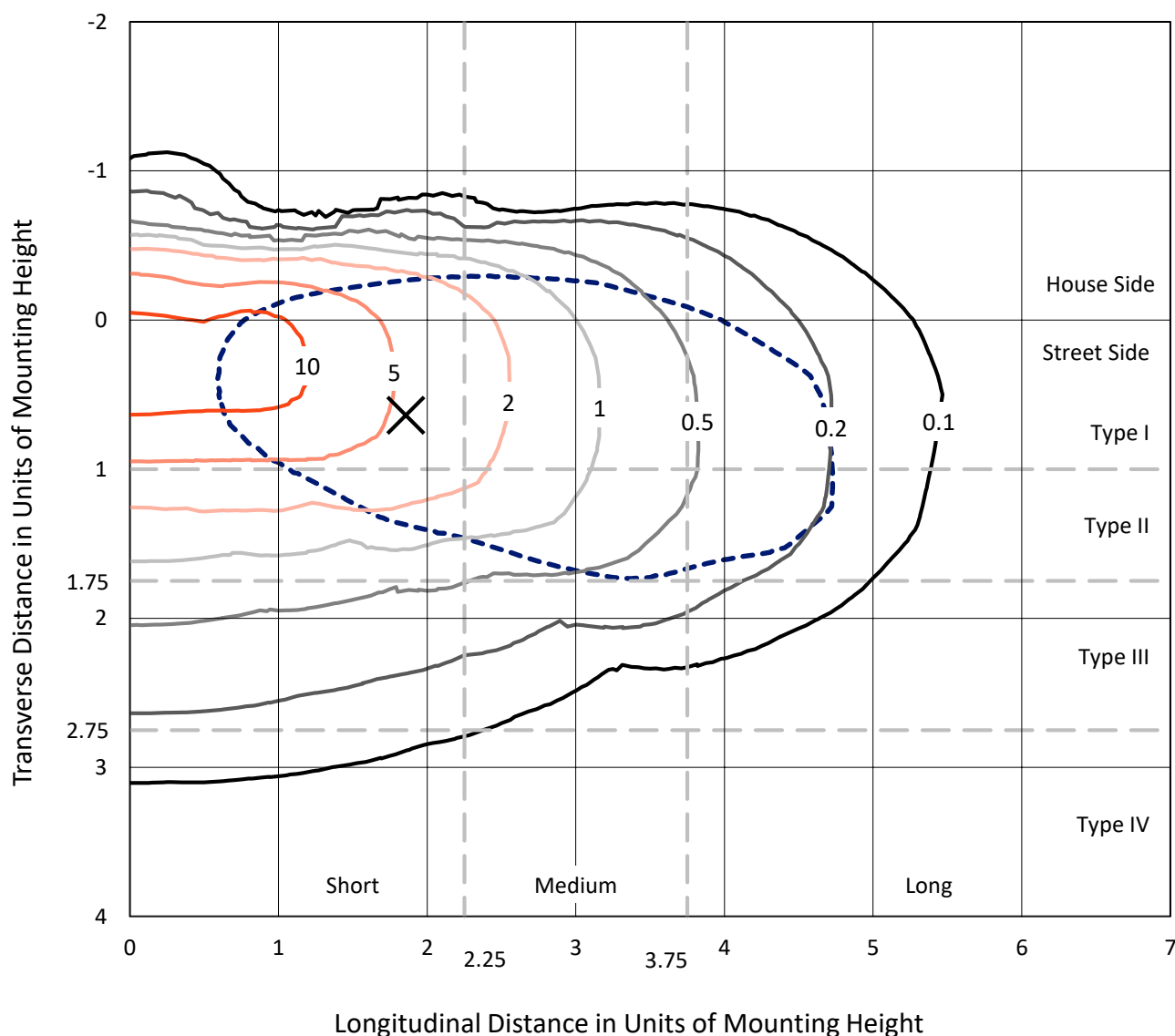
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

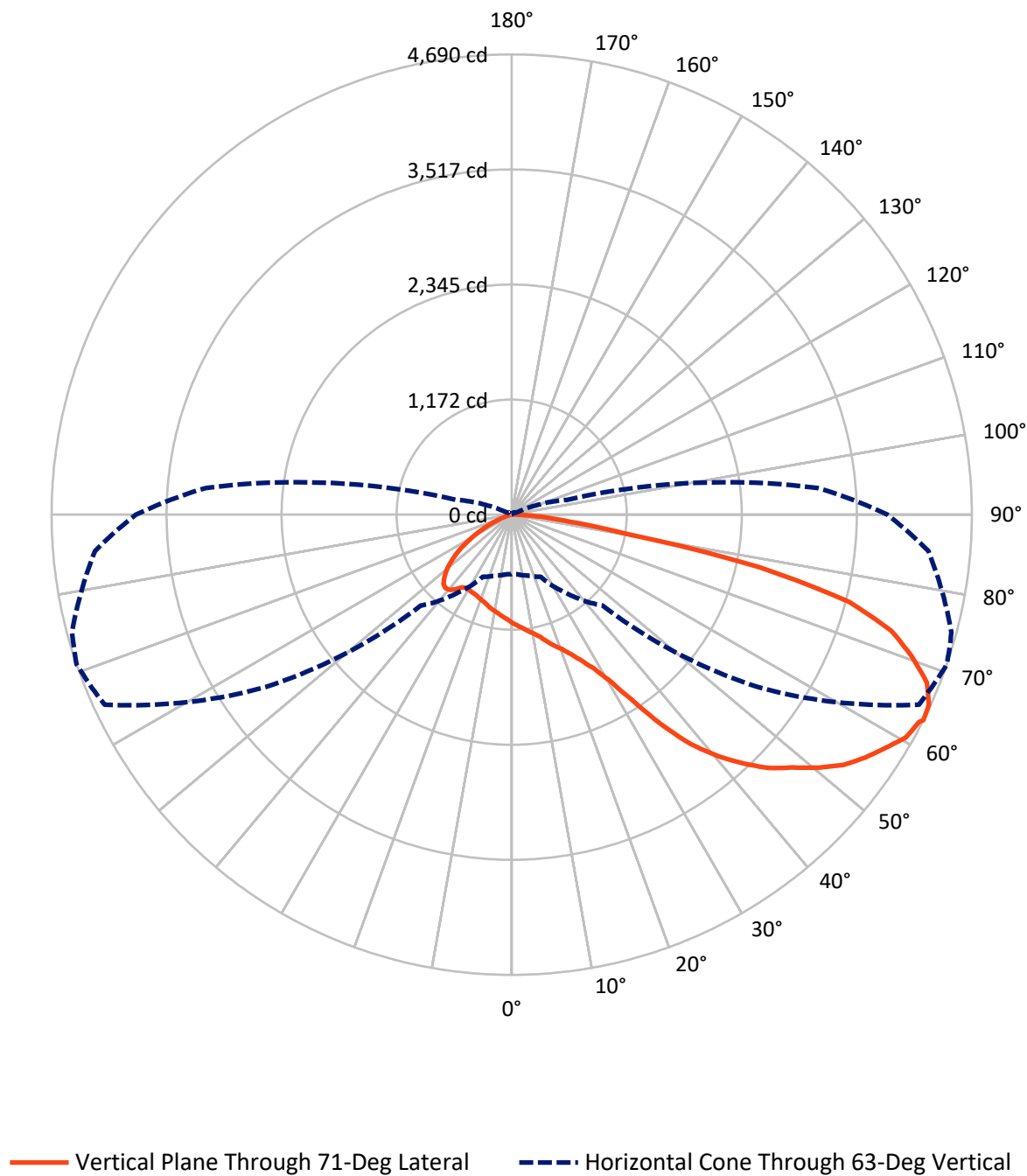


Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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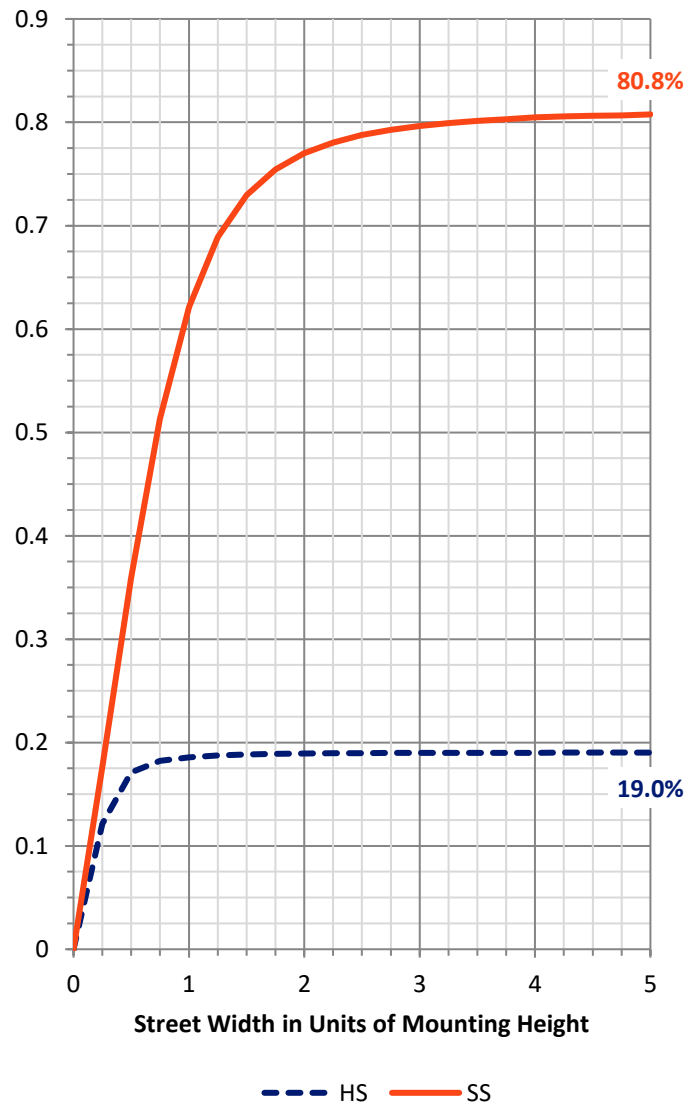
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.9	0.0	1237.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5194.1	0.0	5194.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	6432.0	0.0	6432.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.6
10°-20°	316.2	4.9
20°-30°	531.8	8.3
30°-40°	812.7	12.6
40°-50°	1132.1	17.6
50°-60°	1311.2	20.4
60°-70°	1298.5	20.2
70°-80°	805.0	12.5
80°-90°	119.2	1.9
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°	6432.0	100.0
0°-180°	6432.0	100.0

Coefficient of Utilization



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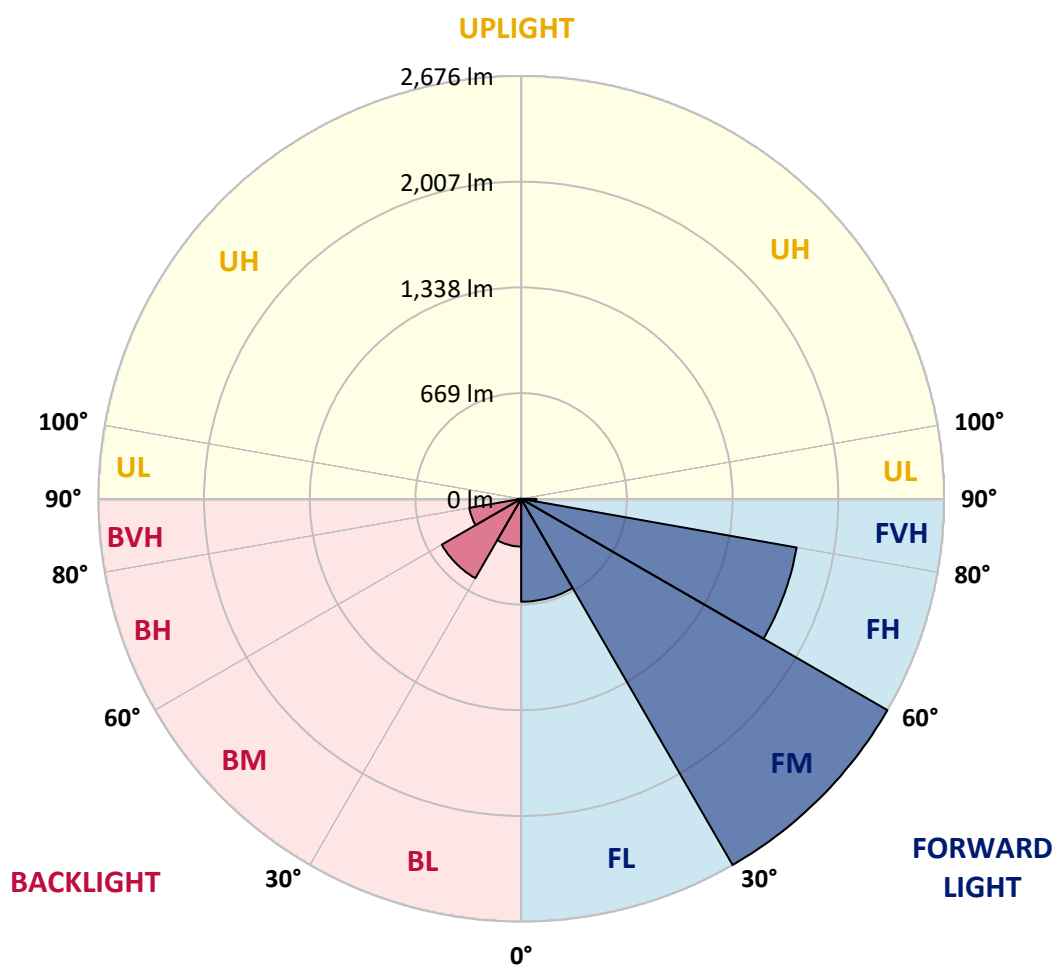
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	651.3	10.1			
FM	(30°-60°)	2675.8	41.6			
FH	(60°-80°)	1770.4	27.5			G1/1800
FVH	(80°-90°)	96.5	1.5			G1/100
BL	(0°-30°)	301.9	4.7	B1/500		
BM	(30°-60°)	580.3	9.0	B1/1000		
BH	(60°-80°)	333.1	5.2	B1/500		G1/500
BVH	(80°-90°)	22.6	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°	71°	75°	85°
0°	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5
2.5°	1217.4	1205.8	1205.5	1190.8	1179.9	1173.8	1157.0	1142.4	1129.7	1128.4	1105.8
5°	1283.7	1280.9	1277.2	1254.3	1244.1	1230.4	1212.0	1183.7	1160.8	1155.0	1119.1
7.5°	1358.4	1356.4	1348.8	1328.4	1302.4	1286.4	1250.5	1222.2	1198.0	1185.7	1137.2
10°	1401.4	1401.1	1400.4	1383.3	1363.2	1339.6	1301.4	1259.8	1231.8	1218.8	1148.8
12.5°	1469.7	1460.5	1457.4	1436.6	1411.0	1393.9	1358.7	1314.0	1276.1	1253.3	1175.1
15°	1524.6	1525.0	1519.2	1500.4	1481.3	1454.0	1424.3	1379.6	1337.9	1320.5	1220.2
17.5°	1592.9	1586.7	1579.9	1560.1	1540.0	1511.3	1492.9	1438.6	1404.5	1366.3	1259.8
20°	1636.2	1625.6	1618.1	1605.5	1597.3	1574.4	1557.7	1509.6	1462.8	1430.1	1304.1
22.5°	1666.3	1677.2	1674.1	1653.6	1656.7	1649.9	1628.7	1596.3	1543.7	1489.8	1355.3
25°	1684.7	1682.3	1700.1	1713.4	1736.6	1735.2	1719.5	1691.2	1644.4	1586.4	1431.8
27.5°	1690.2	1690.2	1718.8	1756.4	1811.0	1822.9	1825.0	1823.3	1771.4	1718.8	1532.1
30°	1698.3	1707.6	1735.2	1782.0	1861.1	1908.6	1931.1	1969.0	1956.0	1910.3	1696.0
32.5°	1665.9	1666.9	1707.2	1797.3	1912.7	2011.3	2055.7	2189.8	2246.8	2268.0	2028.0
35°	1561.5	1572.1	1645.4	1769.7	1936.6	2099.7	2220.2	2497.3	2622.9	2625.7	2345.8
37.5°	1489.1	1499.4	1578.2	1729.7	1955.3	2188.8	2408.3	2842.7	2969.7	2938.3	2619.9
40°	1409.9	1427.0	1510.6	1675.8	1952.6	2276.2	2609.3	3148.6	3233.2	3191.9	2844.1
42.5°	1332.8	1335.5	1417.8	1601.1	1938.6	2347.2	2805.9	3374.5	3468.0	3414.8	3063.9
45°	1239.3	1251.6	1332.8	1501.8	1892.2	2390.9	2978.9	3622.3	3684.4	3625.0	3247.5
47.5°	1131.4	1147.1	1251.6	1409.9	1789.1	2397.3	3134.6	3845.2	3851.3	3804.2	3440.7
50°	873.7	883.6	1098.3	1319.5	1665.9	2371.4	3283.0	4012.1	4052.0	3990.6	3605.6
52.5°	791.1	799.3	859.4	1201.7	1501.1	2284.7	3386.8	4203.9	4236.3	4182.4	3766.7
55°	758.4	762.1	783.3	974.1	1362.8	2130.8	3452.3	4347.2	4370.4	4303.5	3900.1
57.5°	701.0	704.5	749.5	830.7	1246.8	1876.2	3444.1	4488.5	4486.8	4412.1	4038.3
60°	657.7	664.9	703.1	763.8	1106.9	1569.7	3331.8	4596.7	4613.4	4544.8	4139.0
62.5°	616.7	619.5	651.9	710.6	993.2	1346.1	3120.6	4586.8	4657.5	4606.6	4265.7
63°	605.1	610.3	642.3	699.3	976.8	1311.0	3063.6	4579.0	4689.6	4639.7	4262.6
65°	569.3	570.0	601.4	655.3	898.7	1201.4	2874.1	4475.2	4672.8	4642.8	4315.5
67.5°	501.0	506.2	534.1	586.7	768.3	1062.1	2384.7	4406.3	4564.3	4580.0	4229.1
70°	425.3	428.3	462.8	514.3	645.8	901.1	1783.7	4166.0	4324.0	4343.5	4002.2
72.5°	333.5	335.2	372.7	432.8	528.3	744.0	1230.8	3747.2	4043.8	4043.8	3614.1
75°	104.8	123.9	261.1	348.8	427.0	575.8	808.6	2907.3	3554.4	3642.8	3094.3
77.5°	34.1	36.9	82.6	184.0	268.9	442.0	536.9	1545.4	2582.0	2825.0	2440.7
80°	24.6	28.7	51.2	137.9	169.3	188.1	332.8	842.3	1173.4	1537.9	1630.1
82.5°	12.6	16.4	36.2	87.7	96.2	94.9	147.8	398.3	586.0	707.9	845.8
85°	5.8	7.2	15.7	30.7	26.6	24.9	52.2	208.5	330.4	390.5	421.9
87.5°	1.4	2.0	5.8	10.9	6.8	5.5	6.1	66.2	120.5	150.2	155.3
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°	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5	1105.5
2.5°	1096.3	1101.7	1075.8	1063.2	1041.7	1034.8	1024.3	1011.6	1007.5	1017.8	1011.0
5°	1105.8	1098.3	1060.8	1026.7	998.0	975.5	958.4	936.9	923.9	927.0	929.0
7.5°	1109.6	1092.9	1039.6	997.6	949.2	920.2	889.1	858.7	845.8	847.8	849.2
10°	1113.3	1088.1	1025.3	963.5	905.8	861.1	825.6	785.3	765.9	766.6	773.1
12.5°	1135.5	1086.4	1013.3	938.6	863.8	808.2	764.9	720.2	692.5	694.6	699.7
15°	1166.9	1101.1	998.0	901.7	823.2	760.1	706.2	656.7	635.5	638.6	643.4
17.5°	1193.9	1117.4	986.0	862.8	774.1	706.2	657.4	615.0	576.5	582.3	578.9
20°	1221.2	1140.6	982.3	830.1	731.8	653.6	598.3	564.2	516.4	503.4	499.3
22.5°	1264.9	1166.6	978.9	800.0	681.6	607.5	538.6	488.4	419.8	396.3	387.0
25°	1322.2	1203.8	973.7	773.1	640.0	552.6	459.1	369.0	318.1	288.1	274.1
27.5°	1399.7	1257.0	981.3	749.2	598.0	487.4	348.5	267.9	222.5	196.6	181.9
30°	1529.4	1326.7	983.0	727.7	546.8	388.7	248.1	186.4	147.8	130.0	121.2
32.5°	1814.4	1537.9	998.3	703.1	491.8	286.0	172.7	124.9	94.2	82.9	88.1
35°	2114.1	1797.3	1053.6	668.3	405.8	193.5	114.0	80.9	60.4	62.1	63.8
37.5°	2341.4	1998.7	1169.7	625.6	305.1	132.4	68.6	55.3	53.2	58.0	66.9
40°	2564.9	2199.0	1273.1	574.1	206.8	79.5	46.4	50.9	47.8	49.8	50.5
42.5°	2760.8	2358.8	1347.1	498.0	128.0	46.8	40.6	47.1	43.7	42.7	37.5
45°	2950.3	2497.0	1392.9	392.8	73.4	37.2	37.2	45.1	42.3	39.9	34.1
47.5°	3117.8	2651.6	1381.6	271.3	44.7	33.4	34.8	40.6	39.6	36.5	33.4
50°	3272.1	2763.6	1352.3	153.9	39.3	31.7	33.8	33.8	35.5	27.6	25.3
52.5°	3406.6	2862.9	1257.7	82.3	36.5	30.4	30.4	27.0	28.7	21.2	20.1
55°	3544.8	2967.0	1124.6	64.5	34.8	30.4	27.0	23.6	21.5	15.4	16.4
57.5°	3658.5	3043.8	952.2	58.0	35.8	29.0	24.6	20.5	17.1	11.9	11.6
60°	3763.6	3107.3	785.0	51.5	38.6	29.4	20.5	17.1	11.9	9.6	8.5
62.5°	3827.1	3121.6	608.9	46.8	38.6	27.0	18.4	14.3	9.2	6.5	6.1
63°	3829.1	3126.0	581.2	46.4	39.3	27.0	18.4	14.0	8.5	6.1	5.8
65°	3859.2	3033.5	458.7	45.4	39.9	25.6	17.4	11.3	7.2	4.8	4.4
67.5°	3744.5	2855.4	301.7	44.7	39.9	24.9	15.4	9.6	6.1	3.8	3.1
70°	3441.4	2550.6	184.6	43.0	40.6	24.6	19.1	8.2	5.5	2.7	2.4
72.5°	3023.6	2253.0	106.1	38.2	39.9	20.1	10.9	7.2	4.8	2.0	1.7
75°	2559.5	1811.0	66.9	29.7	31.1	16.7	9.2	6.5	4.1	1.0	1.0
77.5°	1944.8	1303.1	57.3	22.9	18.4	14.7	7.9	5.1	2.7	0.3	0.3
80°	1373.4	920.8	41.3	14.3	10.2	9.2	5.8	3.4	1.0	0.0	0.0
82.5°	773.1	503.1	22.5	5.1	3.1	3.4	2.7	1.4	0.0	0.0	0.0
85°	364.5	196.6	11.3	3.4	1.7	1.4	0.3	0.0	0.0	0.0	0.0
87.5°	135.5	47.4	2.7	1.4	1.0	0.3	0.0	0.0	0.0	0.0	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)