

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: P287010

Luminaire Tested: **USSL-C01-D-U-T2-AP-7050-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287010
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-AP-7050-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7069.5 lumens
Efficiency: N/A
Efficacy: 136.0 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 - 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



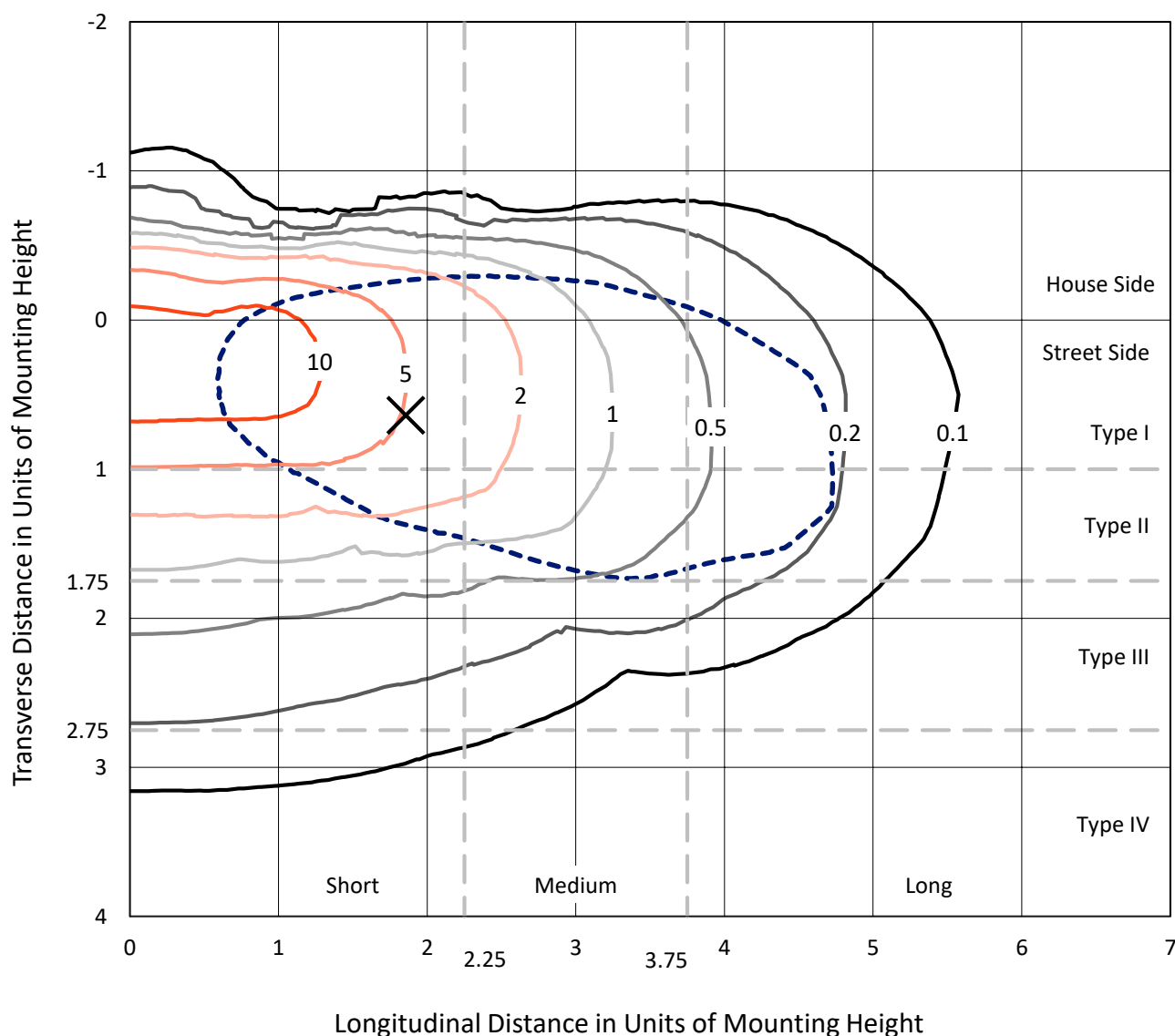
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

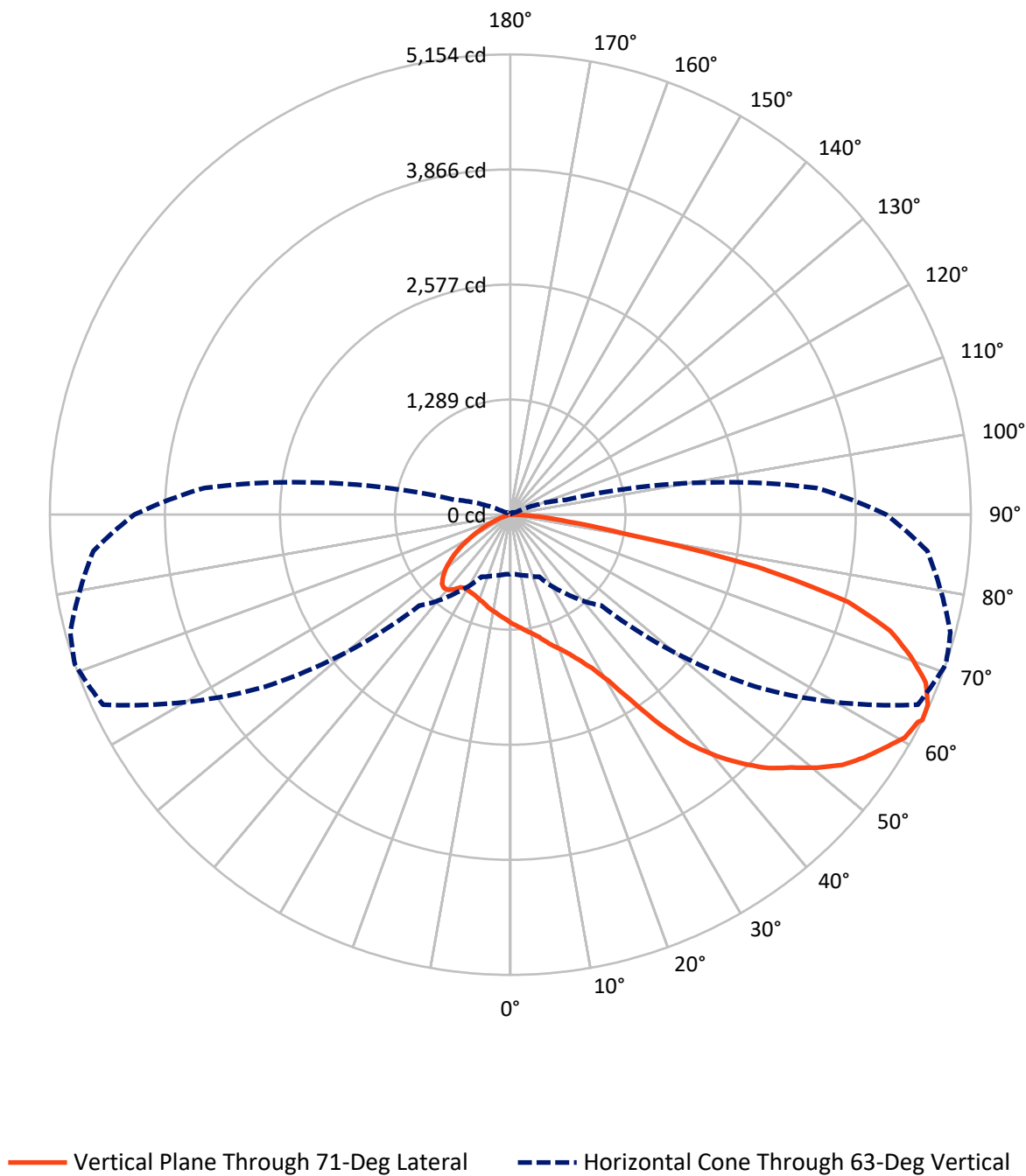


Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
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Luminous Intensity Polar Plot



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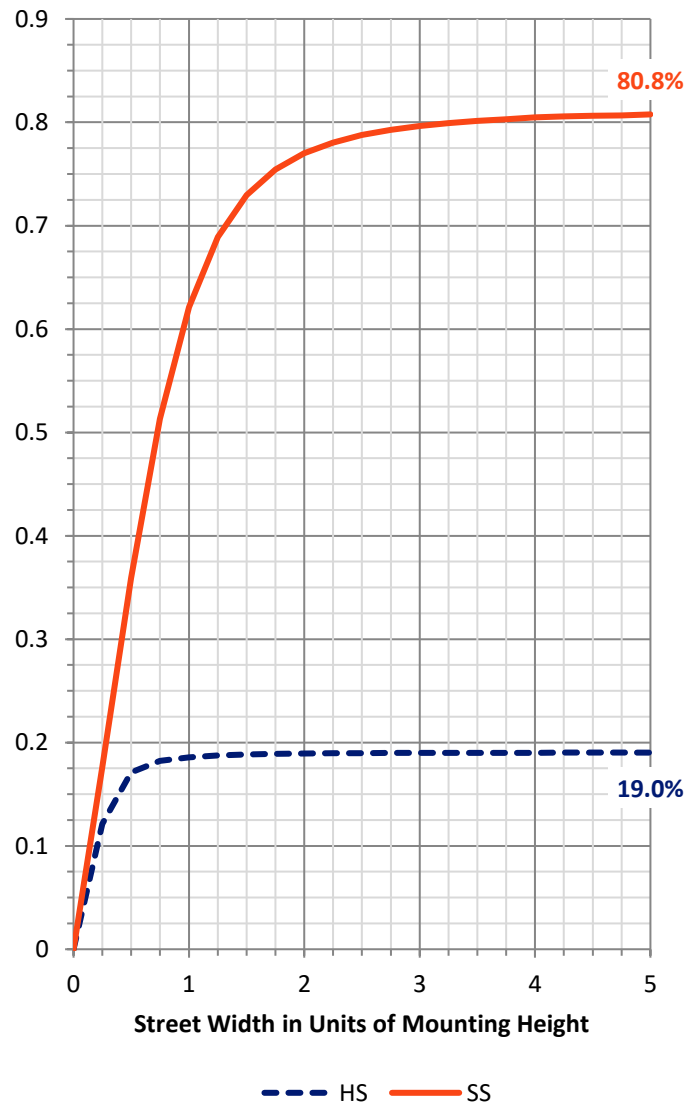
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1360.6	0.0	1360.6
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5708.9	0.0	5708.9
	% Fixture	80.8	0.0	80.8
Total	Lumens	7069.5	0.0	7069.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	1.6
10°-20°	347.6	4.9
20°-30°	584.5	8.3
30°-40°	893.3	12.6
40°-50°	1244.4	17.6
50°-60°	1441.2	20.4
60°-70°	1427.3	20.2
70°-80°	884.8	12.5
80°-90°	131.0	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°	7069.5	100.0
0°-180°	7069.5	100.0

Coefficient of Utilization



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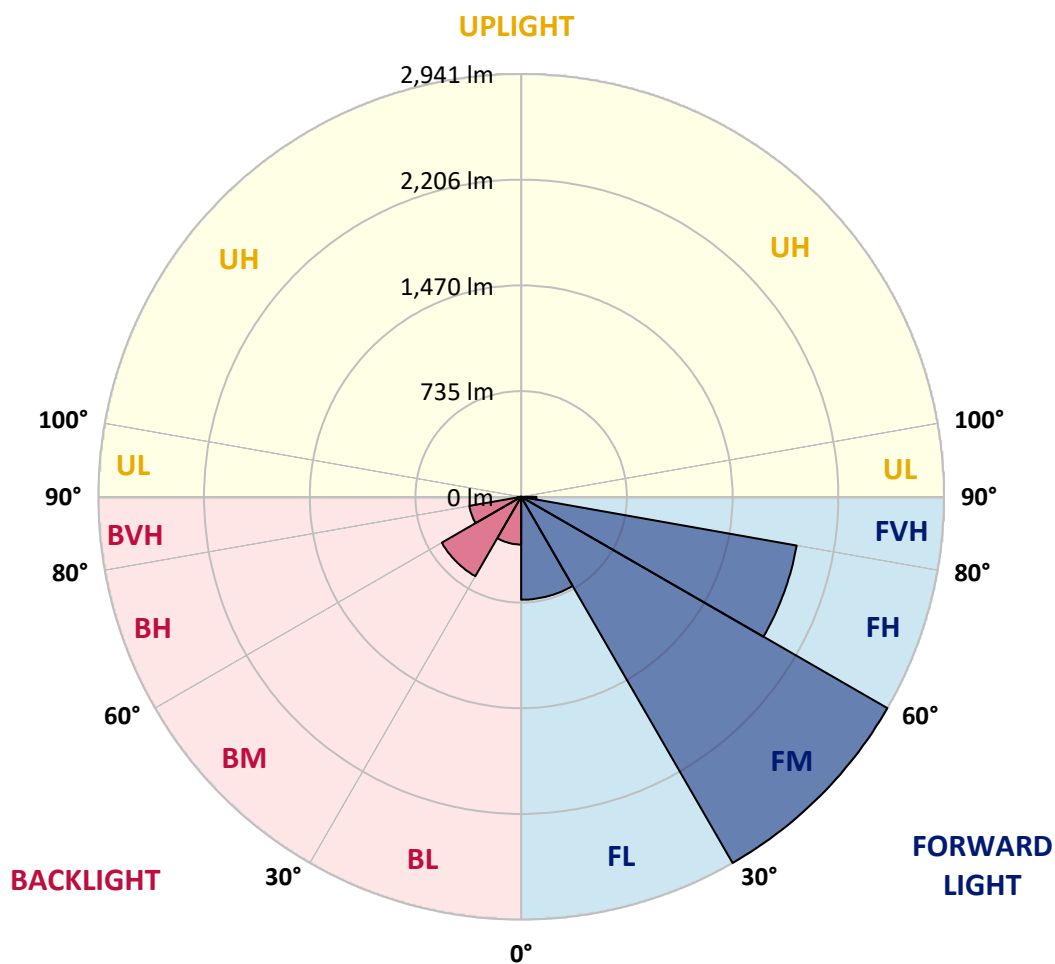
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	715.9	10.1			
FM	(30°-60°)	2941.0	41.6			
FH	(60°-80°)	1945.9	27.5			G2/5000
FVH	(80°-90°)	106.1	1.5			G2/225
BL	(0°-30°)	331.8	4.7	B1/500		
BM	(30°-60°)	637.8	9.0	B1/1000		
BH	(60°-80°)	366.1	5.2	B1/500		G1/500
BVH	(80°-90°)	24.9	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1
2.5°	1338.1	1325.4	1325.0	1308.9	1296.9	1290.1	1271.7	1255.6	1241.7	1240.2	1215.5
5°	1410.9	1407.9	1403.7	1378.6	1367.4	1352.3	1332.1	1301.0	1275.8	1269.4	1230.1
7.5°	1493.1	1490.7	1482.6	1460.0	1431.5	1413.9	1374.5	1343.3	1316.7	1303.3	1249.9
10°	1540.4	1539.9	1539.2	1520.4	1498.3	1472.4	1430.4	1384.7	1353.9	1339.6	1262.7
12.5°	1615.3	1605.2	1601.8	1578.9	1550.8	1532.1	1493.4	1444.3	1402.7	1377.6	1291.6
15°	1675.7	1676.1	1669.8	1649.1	1628.1	1598.1	1565.5	1516.3	1470.5	1451.4	1341.1
17.5°	1750.7	1744.0	1736.5	1714.7	1692.7	1661.1	1640.8	1581.2	1543.6	1501.7	1384.7
20°	1798.4	1786.8	1778.5	1764.6	1755.6	1730.5	1712.2	1659.3	1607.9	1571.8	1433.4
22.5°	1831.4	1843.4	1840.1	1817.5	1820.9	1813.4	1790.2	1754.6	1696.8	1637.4	1489.7
25°	1851.6	1849.1	1868.6	1883.2	1908.7	1907.2	1889.9	1858.9	1807.4	1743.6	1573.7
27.5°	1857.7	1857.7	1889.2	1930.5	1990.5	2003.6	2005.9	2004.0	1946.9	1889.2	1684.0
30°	1866.7	1876.8	1907.2	1958.6	2045.6	2097.8	2122.6	2164.2	2149.9	2099.7	1864.0
32.5°	1831.1	1832.1	1876.4	1975.4	2102.3	2210.6	2259.5	2406.9	2469.6	2492.8	2229.1
35°	1716.3	1727.8	1808.5	1945.1	2128.5	2307.8	2440.3	2744.9	2882.9	2885.9	2578.3
37.5°	1636.7	1647.9	1734.6	1901.1	2149.2	2405.8	2647.0	3124.5	3264.1	3229.5	2879.5
40°	1549.7	1568.4	1660.3	1841.9	2146.2	2501.8	2867.9	3460.7	3553.6	3508.3	3126.1
42.5°	1464.9	1468.0	1558.4	1759.8	2130.8	2579.8	3084.0	3709.0	3811.7	3753.2	3367.6
45°	1362.1	1375.6	1464.9	1650.6	2079.7	2627.8	3274.2	3981.3	4049.6	3984.4	3569.4
47.5°	1243.6	1260.9	1375.6	1549.7	1966.4	2634.9	3445.2	4226.2	4233.0	4181.3	3781.7
50°	960.4	971.2	1207.2	1450.3	1831.1	2606.4	3608.4	4409.7	4453.6	4386.1	3963.0
52.5°	869.5	878.6	944.6	1320.8	1649.8	2511.1	3722.5	4620.5	4656.2	4596.9	4140.0
55°	833.5	837.6	861.0	1070.6	1498.0	2342.0	3794.5	4778.1	4803.7	4730.1	4286.7
57.5°	770.5	774.3	823.8	913.1	1370.3	2062.1	3785.5	4933.4	4931.5	4849.4	4438.6
60°	722.9	730.8	772.8	839.5	1216.6	1725.3	3662.1	5052.3	5070.8	4995.3	4549.3
62.5°	677.9	680.9	716.5	781.0	1091.7	1479.5	3429.8	5041.4	5119.1	5063.2	4688.5
63°	665.1	670.7	706.0	768.6	1073.7	1440.9	3367.2	5032.8	5154.4	5099.6	4685.1
65°	625.8	626.5	661.0	720.3	987.7	1320.5	3159.0	4918.8	5136.0	5103.0	4743.3
67.5°	550.7	556.3	587.1	644.8	844.4	1167.4	2621.1	4843.0	5016.7	5034.0	4648.3
70°	467.4	470.8	508.6	565.4	709.7	990.4	1960.5	4578.9	4752.6	4774.0	4398.9
72.5°	366.5	368.4	409.7	475.7	580.7	817.8	1352.8	4118.7	4444.6	4444.6	3972.3
75°	115.2	136.2	287.0	383.4	469.3	632.9	888.7	3195.4	3906.7	4003.9	3401.0
77.5°	37.5	40.5	90.8	202.2	295.6	485.8	590.0	1698.6	2837.9	3105.0	2682.6
80°	27.0	31.5	56.3	151.6	186.1	206.7	365.8	925.8	1289.7	1690.3	1791.7
82.5°	13.9	18.0	39.7	96.5	105.8	104.3	162.5	437.7	644.1	778.1	929.6
85°	6.4	7.8	17.3	33.8	29.3	27.3	57.4	229.3	363.1	429.2	463.7
87.5°	1.5	2.2	6.4	12.0	7.5	6.0	6.8	72.8	132.4	165.0	170.6
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°	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1
2.5°	1204.9	1210.9	1182.4	1168.5	1144.9	1137.4	1125.8	1111.9	1107.4	1118.6	1111.2
5°	1215.5	1207.2	1165.9	1128.4	1096.9	1072.1	1053.4	1029.8	1015.5	1018.9	1021.1
7.5°	1219.5	1201.2	1142.7	1096.6	1043.3	1011.4	977.2	943.8	929.6	931.9	933.3
10°	1223.7	1195.9	1126.9	1059.1	995.6	946.5	907.5	863.2	841.8	842.5	849.7
12.5°	1248.0	1194.1	1113.7	1031.6	949.5	888.3	840.7	791.5	761.1	763.4	769.1
15°	1282.6	1210.2	1096.9	991.1	904.8	835.4	776.2	721.8	698.5	701.9	707.2
17.5°	1312.3	1228.2	1083.7	948.4	850.8	776.2	722.5	676.0	633.6	640.0	636.3
20°	1342.3	1253.8	1079.6	912.4	804.3	718.4	657.7	620.1	567.6	553.4	548.8
22.5°	1390.3	1282.3	1075.9	879.3	749.1	667.7	592.0	536.8	461.4	435.5	425.4
25°	1453.2	1323.1	1070.3	849.7	703.3	607.3	504.5	405.5	349.7	316.6	301.2
27.5°	1538.4	1381.6	1078.6	823.4	657.2	535.7	383.0	294.4	244.6	216.1	199.9
30°	1681.0	1458.1	1080.4	799.8	601.0	427.2	272.7	204.8	162.5	142.9	133.1
32.5°	1994.2	1690.3	1097.3	772.8	540.5	314.4	189.8	137.3	103.6	91.2	96.8
35°	2323.6	1975.4	1158.0	734.5	446.0	212.7	125.3	88.9	66.3	68.3	70.2
37.5°	2573.4	2196.9	1285.6	687.7	335.4	145.5	75.4	60.7	58.5	63.8	73.6
40°	2819.1	2417.0	1399.3	631.0	227.3	87.4	51.0	55.9	52.6	54.8	55.5
42.5°	3034.5	2592.6	1480.7	547.3	140.6	51.4	44.6	51.7	48.0	46.8	41.2
45°	3242.7	2744.5	1530.9	431.8	80.7	40.9	40.9	49.5	46.5	43.9	37.5
47.5°	3426.9	2914.4	1518.5	298.3	49.2	36.8	38.3	44.6	43.6	40.2	36.8
50°	3596.5	3037.5	1486.3	169.2	43.1	34.9	37.1	37.1	39.0	30.4	27.8
52.5°	3744.2	3146.6	1382.4	90.4	40.2	33.4	33.4	29.7	31.5	23.2	22.2
55°	3896.2	3261.1	1236.1	70.9	38.3	33.4	29.7	25.9	23.6	16.9	18.0
57.5°	4021.0	3345.5	1046.7	63.8	39.4	31.9	27.0	22.5	18.8	13.1	12.7
60°	4136.7	3415.2	862.9	56.6	42.4	32.2	22.5	18.8	13.1	10.5	9.3
62.5°	4206.4	3431.0	669.2	51.4	42.4	29.7	20.2	15.8	10.2	7.1	6.8
63°	4208.7	3435.9	638.9	51.0	43.1	29.7	20.2	15.4	9.3	6.8	6.4
65°	4241.7	3334.2	504.2	49.9	43.9	28.1	19.2	12.4	7.8	5.3	4.9
67.5°	4115.6	3138.4	331.6	49.2	43.9	27.3	16.9	10.5	6.8	4.1	3.4
70°	3782.5	2803.4	203.0	47.3	44.6	27.0	21.0	9.0	6.0	3.0	2.6
72.5°	3323.3	2476.2	116.7	42.0	43.9	22.2	12.0	7.8	5.3	2.2	1.9
75°	2813.2	1990.5	73.6	32.6	34.1	18.3	10.2	7.1	4.5	1.2	1.2
77.5°	2137.5	1432.2	63.1	25.1	20.2	16.1	8.6	5.6	3.0	0.4	0.4
80°	1509.5	1012.1	45.4	15.8	11.2	10.2	6.4	3.7	1.2	0.0	0.0
82.5°	849.7	552.9	24.8	5.6	3.4	3.7	3.0	1.5	0.0	0.0	0.0
85°	400.6	216.1	12.4	3.7	1.9	1.5	0.4	0.0	0.0	0.0	0.0
87.5°	148.9	52.1	3.0	1.5	1.2	0.4	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)