

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: P286946

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286946
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-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE II OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7686.4 lumens
Efficiency: N/A
Efficacy: 147.8 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



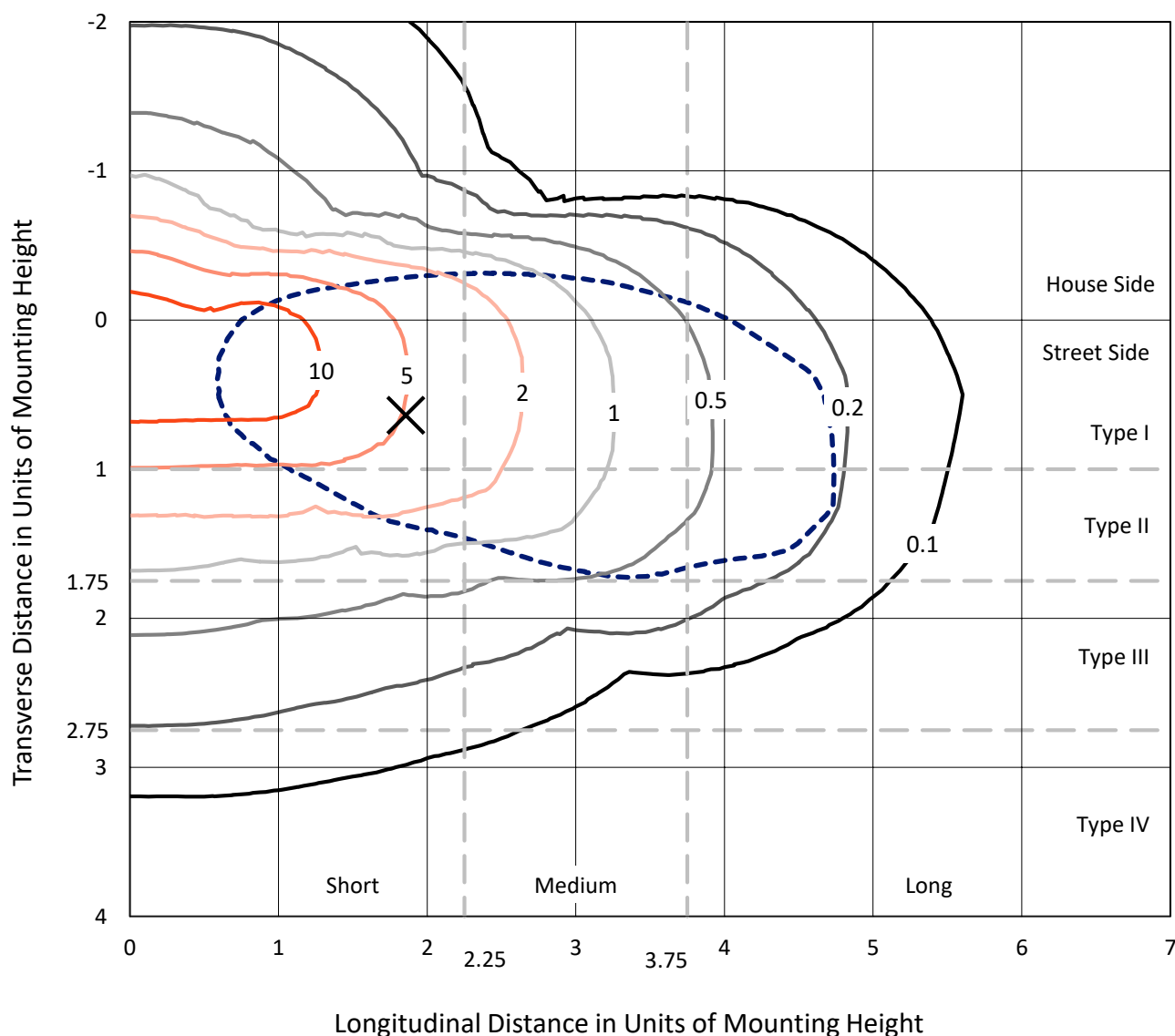
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

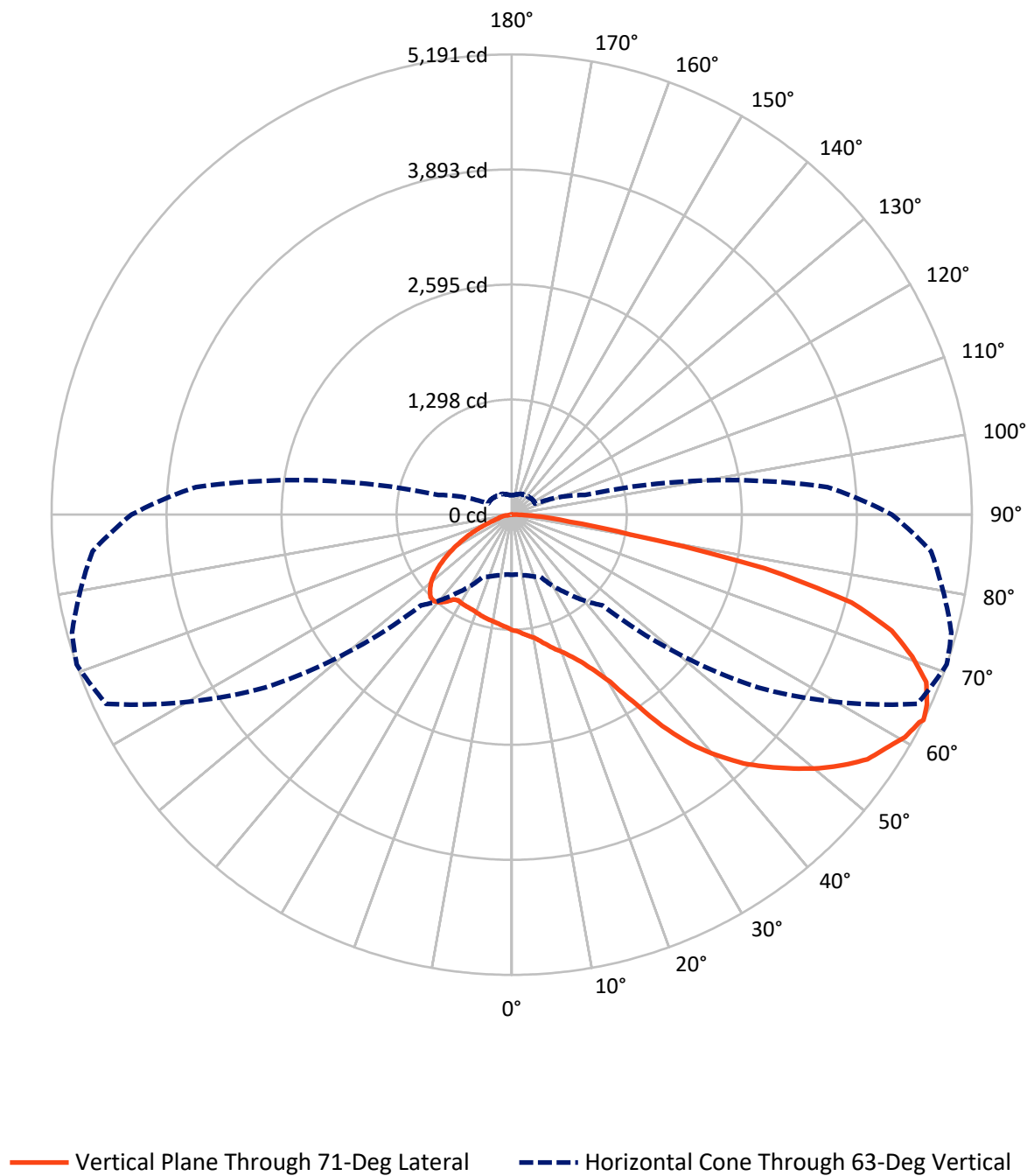


Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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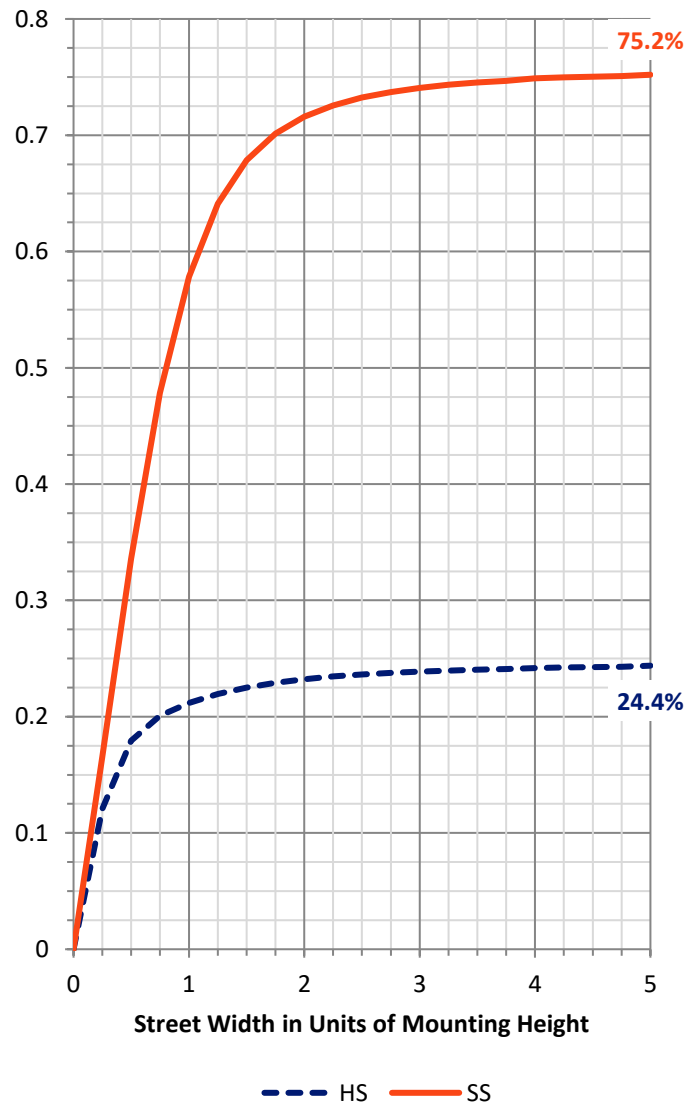
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1906.3	0.0	1906.3
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	5780.1	0.0	5780.1
	% Fixture	75.2	0.0	75.2
Total	Lumens	7686.4	0.0	7686.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	1.6
10°-20°	382.5	5.0
20°-30°	645.9	8.4
30°-40°	970.6	12.6
40°-50°	1334.2	17.4
50°-60°	1551.4	20.2
60°-70°	1542.4	20.1
70°-80°	973.5	12.7
80°-90°	160.4	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°	7686.4	100.0
0°-180°	7686.4	100.0

Coefficient of Utilization



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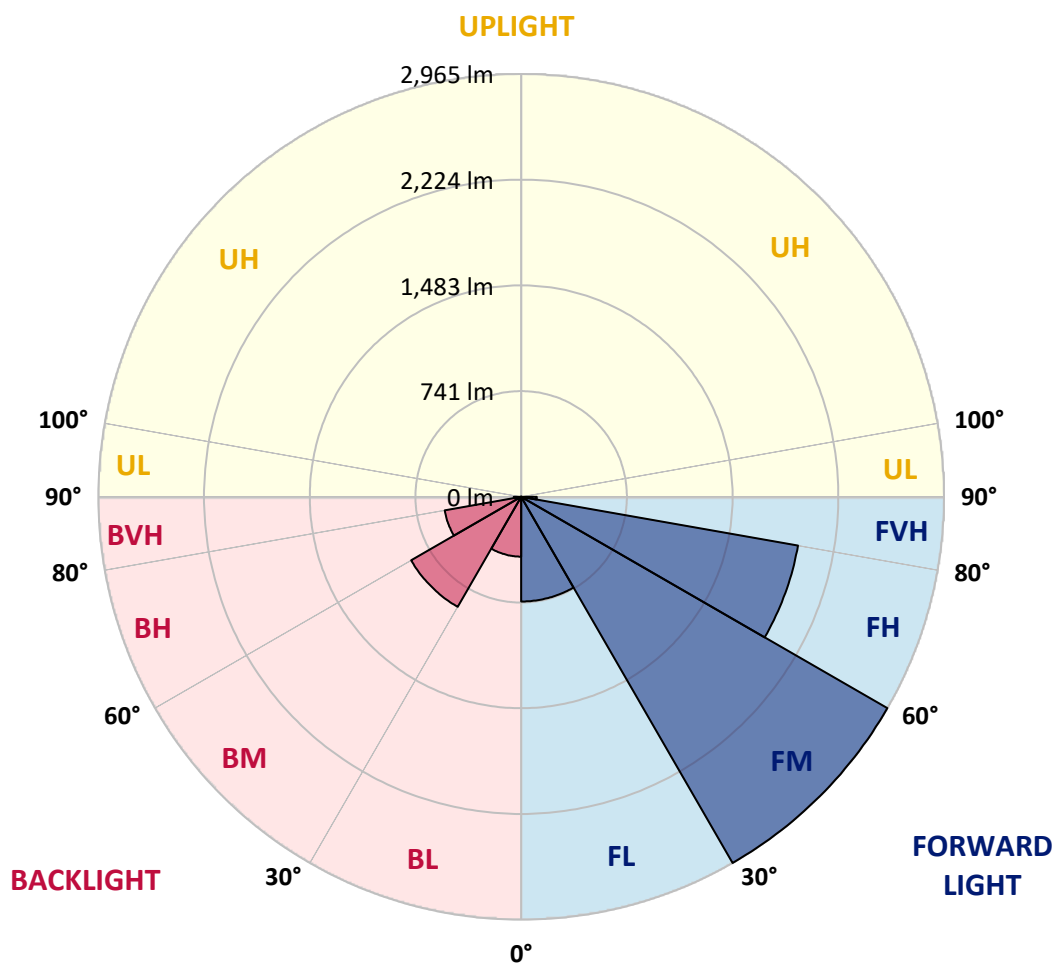
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	734.3	9.6			
FM	(30°-60°)	2965.4	38.6			
FH	(60°-80°)	1971.3	25.6			G2/5000
FVH	(80°-90°)	109.1	1.4			G2/225
BL	(0°-30°)	419.6	5.5	B1/500		
BM	(30°-60°)	890.9	11.6	B1/1000		
BH	(60°-80°)	544.6	7.1	B2/1000		G2/1000
BVH	(80°-90°)	51.3	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°	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7
2.5°	1396.9	1394.7	1391.8	1372.6	1369.3	1357.6	1345.2	1331.8	1316.7	1318.6	1300.2
5°	1475.4	1470.5	1468.6	1440.1	1419.1	1406.4	1389.5	1358.7	1350.1	1343.3	1307.7
7.5°	1538.4	1540.7	1536.5	1509.5	1488.5	1467.5	1437.5	1392.1	1380.8	1366.6	1331.3
10°	1589.4	1595.0	1592.1	1561.3	1543.3	1522.7	1486.3	1439.8	1413.9	1393.2	1337.0
12.5°	1651.0	1647.6	1648.4	1619.1	1603.3	1575.2	1548.5	1495.6	1466.1	1437.5	1362.8
15°	1727.8	1723.4	1717.8	1689.6	1666.0	1649.4	1620.9	1562.1	1529.8	1502.8	1404.2
17.5°	1796.1	1780.4	1777.8	1746.6	1727.8	1705.7	1686.2	1636.0	1595.8	1560.9	1449.5
20°	1841.9	1834.1	1823.6	1805.5	1797.6	1781.2	1756.8	1701.6	1656.6	1620.9	1488.1
22.5°	1872.6	1868.2	1868.2	1862.6	1866.3	1859.5	1840.0	1787.8	1741.7	1691.1	1547.5
25°	1881.6	1867.8	1887.7	1909.4	1935.7	1947.4	1929.3	1893.3	1847.2	1797.6	1624.0
27.5°	1888.0	1885.8	1910.6	1947.7	2014.1	2040.7	2040.7	2020.5	1990.8	1932.3	1735.0
30°	1888.7	1889.6	1923.0	1980.3	2070.0	2143.9	2147.7	2201.6	2186.3	2141.2	1905.0
32.5°	1835.1	1833.3	1883.5	1983.7	2113.1	2230.9	2292.0	2440.2	2511.1	2514.2	2274.8
35°	1726.7	1740.6	1819.7	1950.6	2143.5	2330.0	2471.4	2773.3	2926.8	2923.0	2636.1
37.5°	1641.3	1652.5	1743.6	1915.5	2163.4	2420.4	2672.9	3143.2	3285.1	3272.7	2923.7
40°	1563.6	1576.7	1667.4	1853.9	2156.7	2523.1	2896.8	3463.2	3570.9	3553.6	3194.6
42.5°	1470.5	1480.3	1570.3	1768.0	2137.5	2593.7	3098.2	3755.4	3836.1	3789.6	3406.6
45°	1378.2	1385.4	1483.6	1655.5	2077.1	2640.2	3299.3	4021.0	4058.6	4021.5	3640.7
47.5°	1261.2	1268.3	1382.0	1557.2	1973.2	2638.7	3487.3	4245.0	4280.3	4230.7	3817.0
50°	969.7	976.8	1209.8	1456.6	1828.4	2603.0	3637.7	4452.4	4496.3	4423.9	4015.7
52.5°	881.2	884.6	948.0	1331.8	1643.5	2503.6	3747.2	4638.1	4691.8	4613.0	4188.4
55°	840.7	837.6	863.6	1072.5	1500.9	2345.3	3830.5	4814.1	4868.9	4789.7	4342.2
57.5°	776.9	781.8	825.7	918.3	1371.8	2056.5	3800.8	4979.1	4973.9	4913.1	4493.3
60°	731.1	733.3	776.9	842.9	1217.3	1727.8	3675.5	5070.7	5095.8	5014.8	4623.9
62.5°	683.5	686.5	723.6	783.7	1096.9	1486.6	3474.5	5065.4	5160.7	5110.8	4742.1
63°	677.5	676.7	710.5	775.7	1078.6	1445.8	3400.6	5048.9	5190.8	5134.5	4747.7
65°	630.2	633.2	669.2	729.2	999.7	1333.6	3191.7	4937.5	5148.7	5153.6	4799.4
67.5°	561.5	566.1	596.8	652.4	849.3	1169.7	2643.2	4873.3	5042.2	5071.8	4734.1
70°	480.6	485.4	517.7	569.1	719.9	998.6	1964.5	4595.0	4791.9	4844.8	4439.3
72.5°	380.7	387.2	428.0	479.8	590.5	820.4	1382.7	4140.3	4484.3	4495.2	4027.8
75°	248.3	253.2	312.5	384.8	477.6	649.7	913.4	3169.8	3960.6	4027.4	3452.3
77.5°	146.7	153.5	182.7	212.0	302.4	489.6	593.4	1688.1	2917.4	3130.1	2724.3
80°	39.7	43.9	138.4	161.6	193.2	211.2	365.3	931.9	1350.5	1714.7	1834.8
82.5°	20.7	25.5	77.3	103.9	110.7	107.3	168.8	433.3	660.2	773.5	921.4
85°	9.3	11.2	25.5	37.8	30.7	29.3	56.3	226.2	369.2	428.4	463.3
87.5°	3.4	4.1	9.0	13.9	8.3	6.4	7.8	68.3	142.6	180.1	163.5
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°	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7	1304.7
2.5°	1287.0	1298.4	1283.3	1266.1	1254.1	1247.3	1241.7	1229.0	1232.7	1237.5	1236.8
5°	1299.4	1300.9	1266.1	1243.9	1217.7	1202.7	1197.1	1175.3	1177.5	1179.8	1179.5
7.5°	1307.4	1293.5	1251.1	1218.8	1191.0	1168.1	1146.8	1125.0	1120.8	1125.0	1128.4
10°	1309.6	1288.6	1240.6	1195.6	1158.0	1125.4	1106.6	1072.5	1066.5	1074.7	1080.0
12.5°	1330.2	1295.3	1233.1	1180.2	1136.3	1093.2	1060.5	1022.6	1004.6	1011.4	1017.7
15°	1355.7	1307.4	1226.7	1160.7	1102.2	1053.8	1010.9	970.1	947.6	956.6	961.1
17.5°	1386.5	1329.4	1226.3	1128.8	1065.7	1007.2	964.1	919.8	878.2	892.9	888.0
20°	1420.6	1348.6	1224.1	1099.1	1021.1	950.6	893.2	863.9	820.8	821.2	814.7
22.5°	1461.2	1374.9	1221.4	1071.0	966.7	895.4	823.8	790.0	754.8	741.6	737.5
25°	1524.9	1416.9	1226.0	1051.8	919.8	823.4	739.4	695.8	680.9	664.3	657.2
27.5°	1611.6	1475.4	1235.7	1027.5	861.0	747.2	644.1	602.1	591.6	579.2	571.0
30°	1738.8	1559.0	1247.3	999.7	792.7	644.1	549.2	518.8	502.0	495.5	490.6
32.5°	2061.7	1794.3	1256.3	963.3	721.8	544.7	476.0	445.7	422.1	410.8	411.9
35°	2392.9	2079.3	1320.1	919.8	634.8	461.8	411.9	374.4	345.5	338.0	332.7
37.5°	2652.6	2313.9	1466.1	875.9	551.5	413.8	348.9	316.3	291.9	290.0	301.6
40°	2897.6	2529.1	1586.5	825.3	465.2	359.0	285.1	272.0	261.1	263.7	279.5
42.5°	3100.8	2722.4	1685.5	752.5	395.3	297.1	243.5	257.3	260.7	264.1	265.2
45°	3300.0	2874.7	1739.1	657.2	333.9	247.2	239.0	264.9	270.5	275.4	269.3
47.5°	3505.6	3046.5	1738.3	540.2	287.8	241.6	248.3	264.9	274.6	280.6	278.8
50°	3669.9	3174.0	1716.2	425.0	276.1	254.7	253.2	254.0	269.7	273.9	274.2
52.5°	3825.6	3294.4	1625.0	349.2	292.2	269.7	258.8	249.8	256.6	266.4	255.4
55°	3977.5	3399.1	1463.4	328.6	300.1	282.5	270.5	254.7	247.9	245.7	249.5
57.5°	4102.4	3486.1	1273.6	319.2	302.4	283.6	290.3	254.4	246.9	229.6	227.7
60°	4224.3	3568.7	1086.7	306.1	300.5	281.3	270.8	260.7	242.7	216.9	207.4
62.5°	4300.1	3594.1	891.3	294.9	292.2	278.8	264.1	259.3	238.6	218.7	216.1
63°	4289.3	3576.1	857.1	293.0	290.3	276.8	264.4	257.3	236.7	221.0	219.8
65°	4315.5	3473.0	706.4	281.3	282.5	271.5	258.8	246.1	219.8	208.6	206.7
67.5°	4191.0	3284.6	509.8	260.0	270.5	263.4	247.6	224.4	199.9	185.3	184.5
70°	3864.3	2927.9	350.4	221.7	251.3	251.7	242.0	212.0	185.3	168.8	171.1
72.5°	3402.5	2558.4	225.9	172.6	216.1	231.5	225.9	200.3	165.5	135.5	133.1
75°	2906.9	2086.5	166.5	139.2	159.4	205.9	197.4	163.2	138.8	119.7	118.2
77.5°	2181.8	1508.8	147.4	118.9	118.5	139.6	162.5	160.6	164.7	198.1	193.5
80°	1510.3	1064.7	117.4	96.5	72.4	88.2	136.9	169.9	212.0	123.1	115.5
82.5°	874.1	578.1	38.3	30.4	44.3	57.0	100.6	211.2	140.3	73.6	66.0
85°	411.6	219.5	16.5	9.3	13.1	19.2	56.6	178.6	89.7	36.8	6.8
87.5°	127.5	60.4	3.7	3.0	3.4	4.1	24.1	93.8	61.5	4.1	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)