

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: P286942

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286942
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-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE II OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7549.7 lumens
Efficiency: N/A
Efficacy: 145.2 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

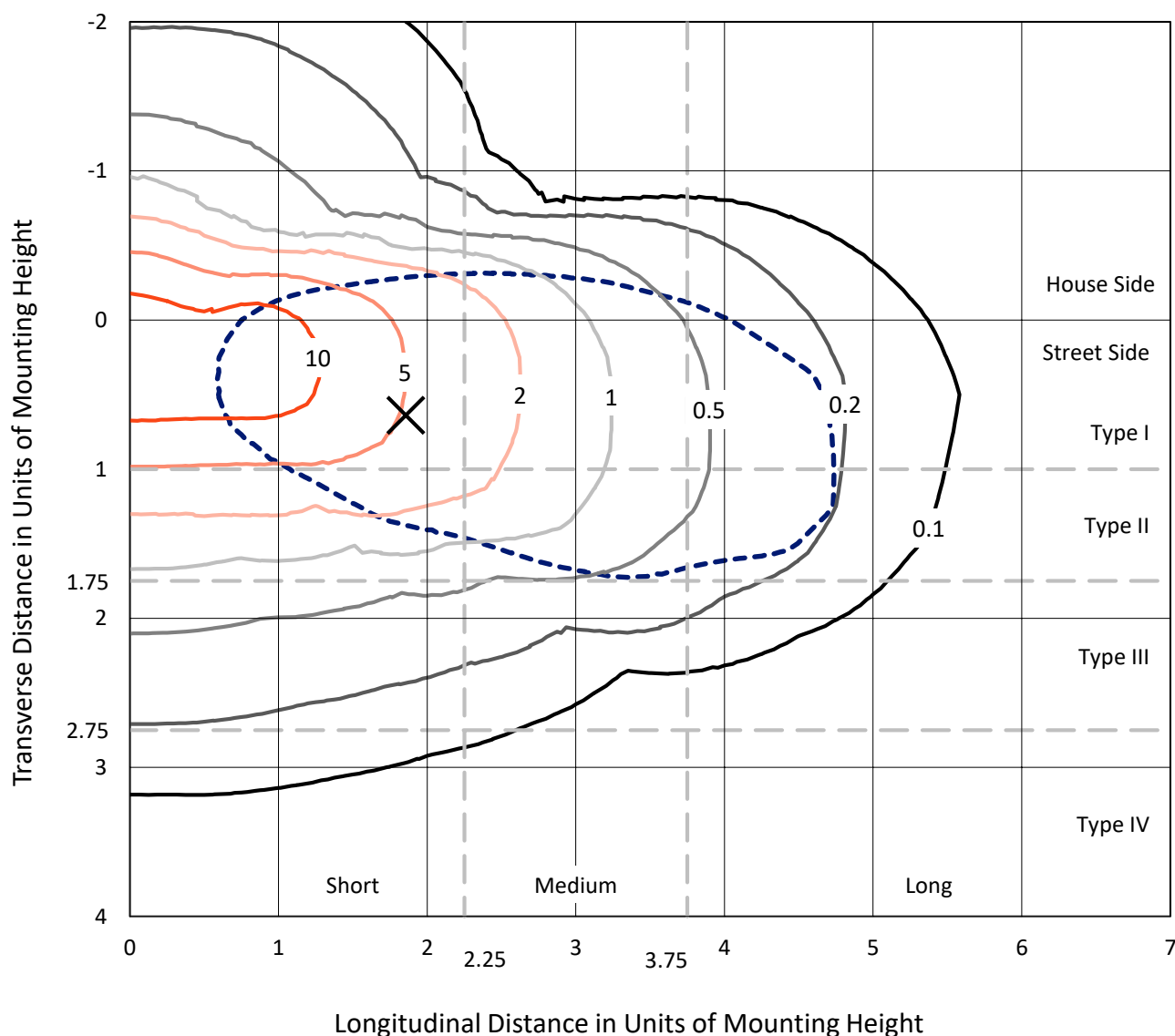


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

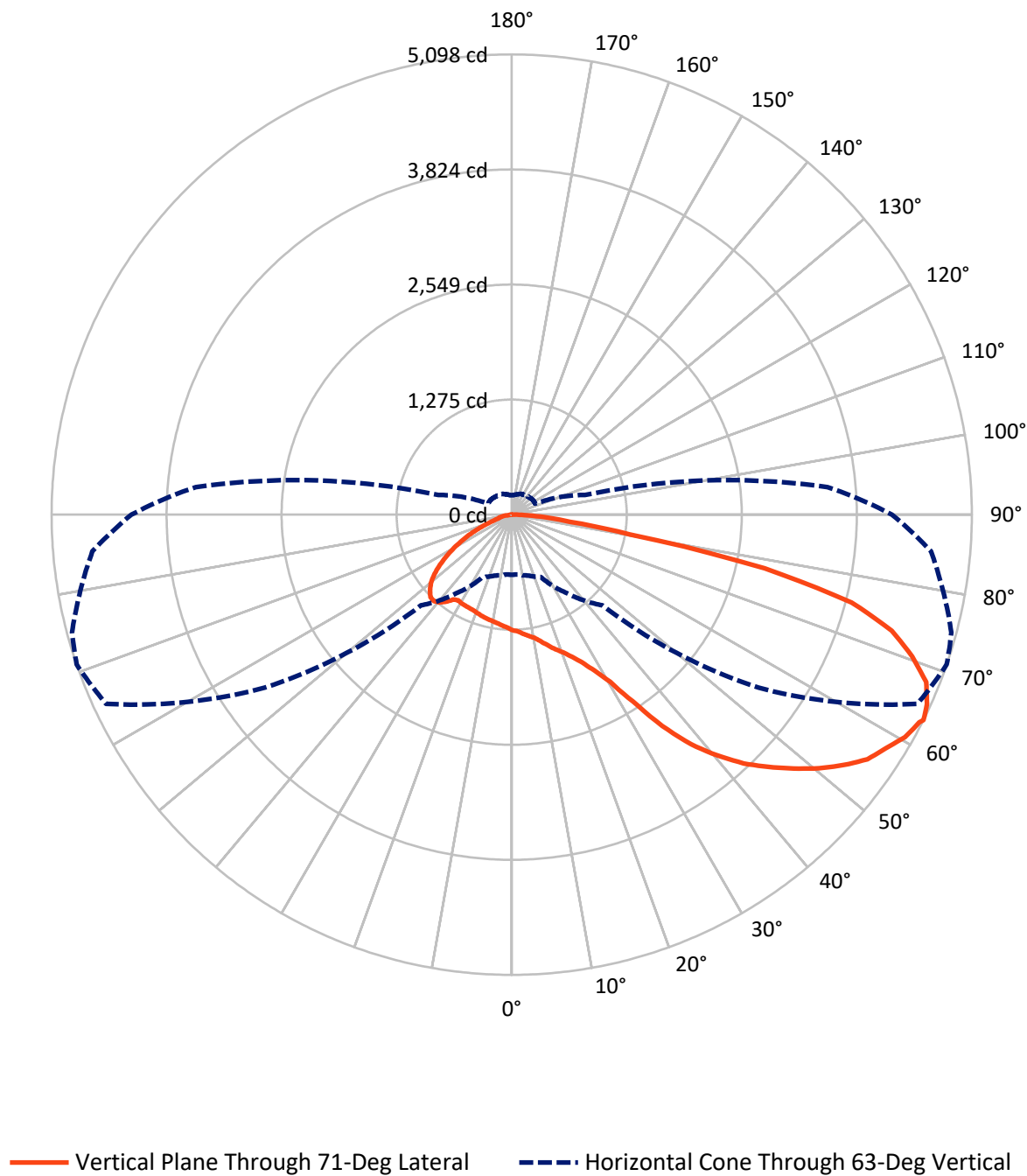


Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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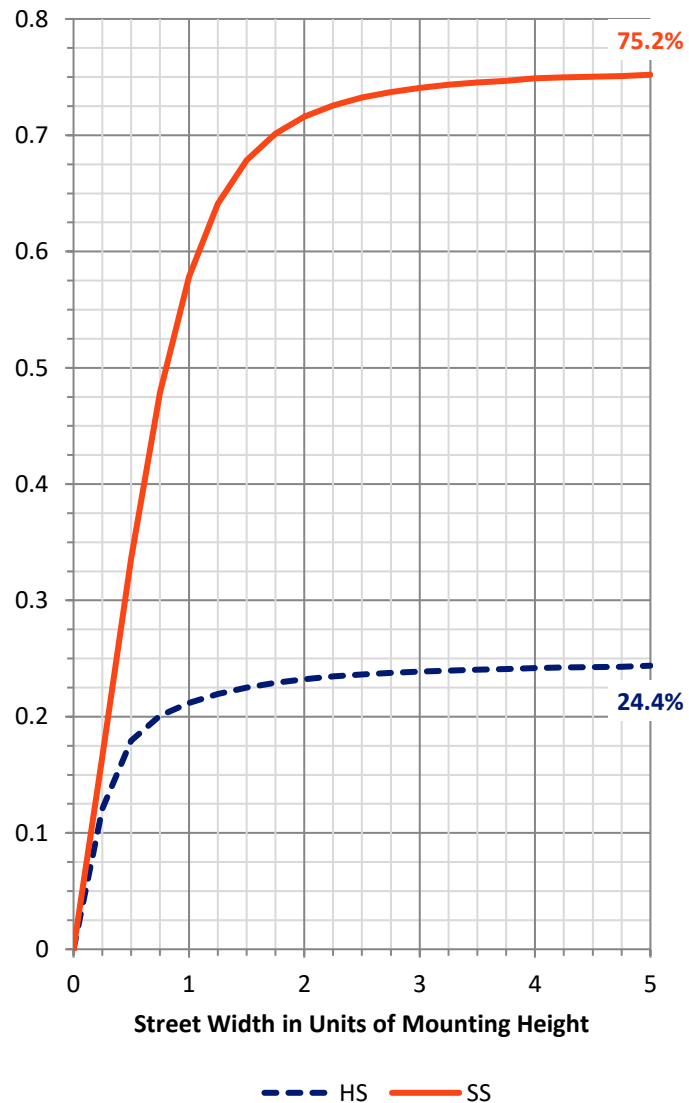
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1872.4	0.0	1872.4
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	5677.2	0.0	5677.2
	% Fixture	75.2	0.0	75.2
Total	Lumens	7549.7	0.0	7549.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	1.6
10°-20°	375.7	5.0
20°-30°	634.4	8.4
30°-40°	953.4	12.6
40°-50°	1310.5	17.4
50°-60°	1523.8	20.2
60°-70°	1515.0	20.1
70°-80°	956.2	12.7
80°-90°	157.5	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°	7549.7	100.0
0°-180°	7549.7	100.0

Coefficient of Utilization



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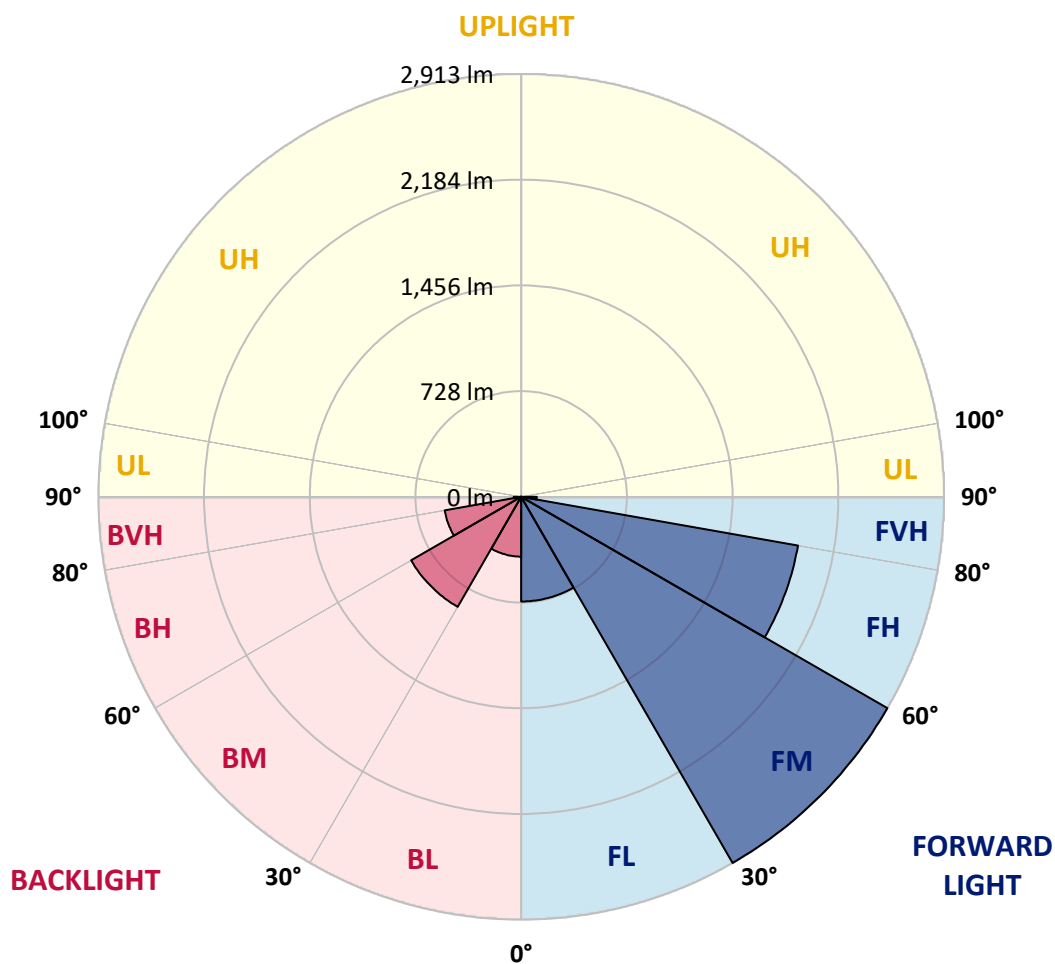
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	721.2	9.6			
FM	(30°-60°)	2912.7	38.6			
FH	(60°-80°)	1936.2	25.6			G2/5000
FVH	(80°-90°)	107.2	1.4			G2/225
BL	(0°-30°)	412.1	5.5	B1/500		
BM	(30°-60°)	875.0	11.6	B1/1000		
BH	(60°-80°)	534.9	7.1	B2/1000		G2/1000
BVH	(80°-90°)	50.4	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°	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5
2.5°	1372.1	1369.9	1367.0	1348.2	1344.9	1333.5	1321.3	1308.0	1293.3	1295.1	1277.1
5°	1449.2	1444.3	1442.5	1414.5	1393.9	1381.4	1364.7	1334.5	1326.0	1319.5	1284.5
7.5°	1511.1	1513.2	1509.2	1482.7	1462.0	1441.5	1411.9	1367.4	1356.2	1342.3	1307.7
10°	1561.1	1566.6	1563.8	1533.6	1515.9	1495.6	1459.8	1414.1	1388.7	1368.4	1313.2
12.5°	1621.5	1618.3	1619.0	1590.3	1574.8	1547.1	1521.0	1469.0	1440.0	1411.9	1338.7
15°	1697.1	1692.7	1687.1	1659.6	1636.4	1620.2	1592.1	1534.3	1502.6	1476.0	1379.1
17.5°	1764.2	1748.7	1746.1	1715.6	1697.1	1675.4	1656.2	1606.8	1567.4	1533.1	1423.8
20°	1809.1	1801.4	1791.1	1773.4	1765.7	1749.5	1725.5	1671.4	1627.2	1592.1	1461.7
22.5°	1839.4	1834.9	1834.9	1829.4	1833.1	1826.4	1807.3	1756.0	1710.8	1661.0	1519.9
25°	1848.1	1834.6	1854.1	1875.5	1901.2	1912.7	1895.0	1859.6	1814.3	1765.7	1595.0
27.5°	1854.5	1852.3	1876.6	1913.0	1978.3	2004.4	2004.4	1984.6	1955.4	1898.0	1704.1
30°	1855.1	1855.9	1888.7	1945.1	2033.2	2105.7	2109.4	2162.5	2147.4	2103.2	1871.0
32.5°	1802.5	1800.7	1850.1	1948.4	2075.5	2191.2	2251.3	2396.9	2466.5	2469.5	2234.4
35°	1696.1	1709.6	1787.4	1916.0	2105.4	2288.5	2427.4	2724.0	2874.8	2871.1	2589.1
37.5°	1612.0	1623.0	1712.6	1881.3	2124.9	2377.2	2625.3	3087.3	3226.7	3214.5	2871.8
40°	1535.7	1548.6	1637.8	1820.9	2118.3	2478.3	2845.2	3401.6	3507.4	3490.5	3137.8
42.5°	1444.3	1454.0	1542.4	1736.5	2099.4	2547.6	3043.1	3688.7	3767.8	3722.2	3346.0
45°	1353.7	1360.7	1457.3	1626.0	2040.2	2593.3	3240.6	3949.5	3986.4	3949.9	3575.9
47.5°	1238.8	1245.8	1357.4	1529.4	1938.1	2591.8	3425.2	4169.5	4204.1	4155.4	3749.1
50°	952.4	959.4	1188.3	1430.8	1795.9	2556.7	3572.9	4373.3	4416.4	4345.3	3944.3
52.5°	865.5	868.8	931.1	1308.0	1614.2	2459.1	3680.5	4555.7	4608.3	4531.0	4113.9
55°	825.8	822.8	848.2	1053.4	1474.2	2303.6	3762.3	4728.4	4782.3	4704.5	4264.9
57.5°	763.1	767.9	810.9	902.0	1347.5	2019.9	3733.3	4890.6	4885.4	4825.7	4413.4
60°	718.1	720.3	763.1	827.9	1195.7	1697.1	3610.1	4980.5	5005.2	4925.6	4541.7
62.5°	671.3	674.3	710.8	769.7	1077.4	1460.2	3412.7	4975.3	5068.9	5019.9	4657.7
63°	665.4	664.7	697.8	762.0	1059.4	1420.1	3340.1	4959.1	5098.3	5043.1	4663.2
65°	619.0	621.9	657.3	716.3	982.0	1309.8	3134.9	4849.7	5057.1	5061.9	4714.1
67.5°	551.6	556.0	586.2	640.7	834.1	1148.8	2596.1	4786.6	4952.5	4981.5	4650.0
70°	472.0	476.7	508.4	559.0	707.1	980.8	1929.7	4513.3	4706.7	4758.6	4360.3
72.5°	374.0	380.3	420.5	471.2	580.0	805.8	1358.2	4066.7	4404.5	4415.2	3956.2
75°	243.9	248.8	306.9	378.1	469.0	638.2	897.2	3113.5	3890.2	3955.8	3390.9
77.5°	144.0	150.7	179.4	208.2	297.0	480.9	582.9	1658.1	2865.5	3074.5	2675.7
80°	39.0	43.1	136.0	158.8	189.7	207.4	358.9	915.2	1326.5	1684.2	1802.1
82.5°	20.2	25.0	75.9	102.1	108.7	105.4	165.8	425.5	648.4	759.7	904.9
85°	9.2	11.0	25.0	37.2	30.2	28.7	55.2	222.2	362.6	420.8	455.0
87.5°	3.3	4.0	8.8	13.7	8.1	6.3	7.7	67.1	140.0	176.9	160.7
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°	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5	1281.5
2.5°	1264.1	1275.3	1260.5	1243.6	1231.7	1225.1	1219.6	1207.1	1210.7	1215.6	1214.9
5°	1276.3	1277.8	1243.6	1221.9	1196.0	1181.3	1175.7	1154.3	1156.6	1158.8	1158.5
7.5°	1284.1	1270.5	1228.8	1197.2	1169.8	1147.3	1126.4	1105.1	1100.9	1105.1	1108.3
10°	1286.3	1265.6	1218.5	1174.3	1137.5	1105.4	1086.9	1053.4	1047.5	1055.7	1060.7
12.5°	1306.5	1272.3	1211.1	1159.2	1116.1	1073.7	1041.7	1004.5	986.8	993.3	999.6
15°	1331.7	1284.1	1204.9	1140.0	1082.6	1035.0	993.0	952.9	930.7	939.6	943.9
17.5°	1361.9	1305.8	1204.5	1108.7	1046.8	989.3	946.9	903.5	862.5	877.0	872.2
20°	1395.4	1324.7	1202.2	1079.6	1003.0	933.7	877.3	848.6	806.2	806.6	800.3
22.5°	1435.1	1350.4	1199.7	1052.0	949.6	879.5	809.1	776.0	741.3	728.5	724.4
25°	1497.7	1391.6	1204.2	1033.2	903.5	808.8	726.2	683.5	668.8	652.6	645.6
27.5°	1582.9	1449.2	1213.7	1009.2	845.6	734.0	632.7	591.4	581.0	569.0	560.8
30°	1707.8	1531.3	1225.1	982.0	778.6	632.7	539.4	509.6	493.0	486.7	481.9
32.5°	2025.0	1762.3	1233.9	946.2	709.0	535.0	467.6	437.7	414.5	403.5	404.6
35°	2350.4	2042.3	1296.6	903.5	623.4	453.5	404.6	367.7	339.4	332.0	326.9
37.5°	2605.3	2272.6	1440.0	860.3	541.6	406.4	342.7	310.7	286.7	284.8	296.2
40°	2845.9	2484.2	1558.3	810.6	456.9	352.6	280.0	267.1	256.5	259.0	274.5
42.5°	3045.7	2673.9	1655.5	739.2	388.3	291.8	239.1	252.8	256.1	259.4	260.5
45°	3241.4	2823.5	1708.1	645.6	327.9	242.8	234.7	260.1	265.6	270.5	264.6
47.5°	3443.3	2992.3	1707.4	530.6	282.6	237.3	243.9	260.1	269.7	275.6	273.8
50°	3604.6	3117.6	1685.7	417.5	271.2	250.1	248.8	249.4	265.0	269.0	269.3
52.5°	3757.6	3235.8	1596.2	343.0	287.0	265.0	254.3	245.4	252.0	261.6	250.9
55°	3906.8	3338.6	1437.3	322.7	294.8	277.5	265.6	250.1	243.6	241.3	245.0
57.5°	4029.5	3424.1	1250.9	313.5	297.0	278.5	285.2	249.8	242.4	225.5	223.6
60°	4149.2	3505.2	1067.4	300.7	295.2	276.3	266.0	256.1	238.4	212.9	203.7
62.5°	4223.7	3530.2	875.5	289.6	287.0	273.8	259.4	254.6	234.3	214.8	212.2
63°	4213.0	3512.5	841.9	287.8	285.2	272.0	259.8	252.8	232.5	217.1	215.9
65°	4238.8	3411.2	693.8	276.3	277.5	266.8	254.3	241.7	215.9	204.9	203.0
67.5°	4116.4	3226.2	500.7	255.3	265.6	258.6	243.1	220.4	196.4	182.0	181.2
70°	3795.5	2875.8	344.1	217.8	246.9	247.3	237.6	208.2	182.0	165.8	168.0
72.5°	3342.0	2512.9	221.8	169.5	212.2	227.3	221.8	196.7	162.5	133.0	130.8
75°	2855.2	2049.4	163.6	136.7	156.5	202.3	193.9	160.3	136.3	117.5	116.1
77.5°	2143.0	1482.0	144.8	116.8	116.5	137.0	159.5	157.7	161.7	194.6	190.1
80°	1483.4	1045.7	115.3	94.6	71.1	86.6	134.5	166.9	208.2	120.8	113.5
82.5°	858.5	567.8	37.6	29.9	43.5	56.0	98.8	207.4	137.8	72.2	64.9
85°	404.2	215.6	16.2	9.2	12.9	18.8	55.6	175.4	88.1	36.1	6.7
87.5°	125.3	59.4	3.7	3.0	3.3	4.0	23.5	92.1	60.4	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)