

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: P287006

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287006
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-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 6551 lumens
Efficiency: N/A
Efficacy: 126.0 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



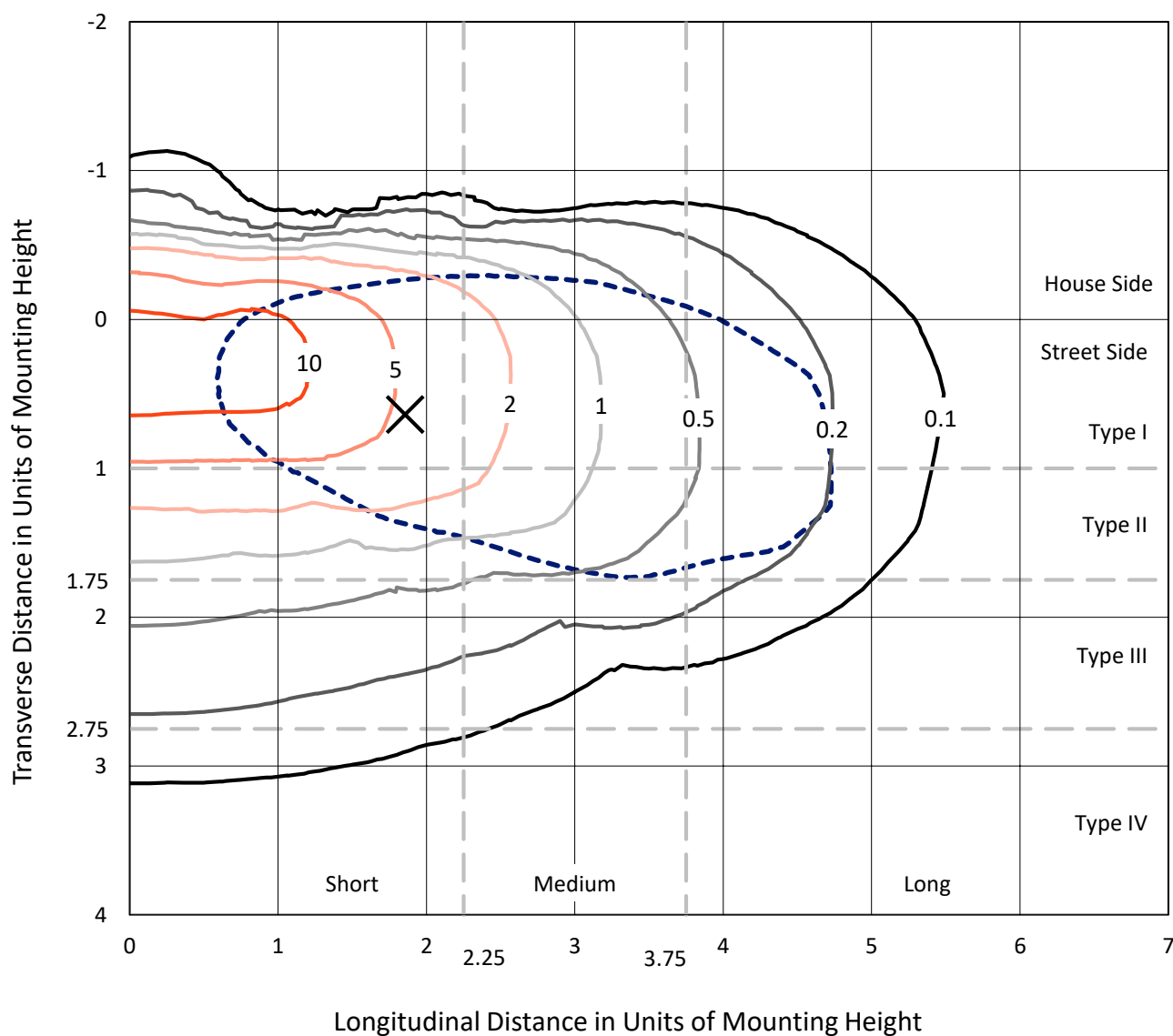
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

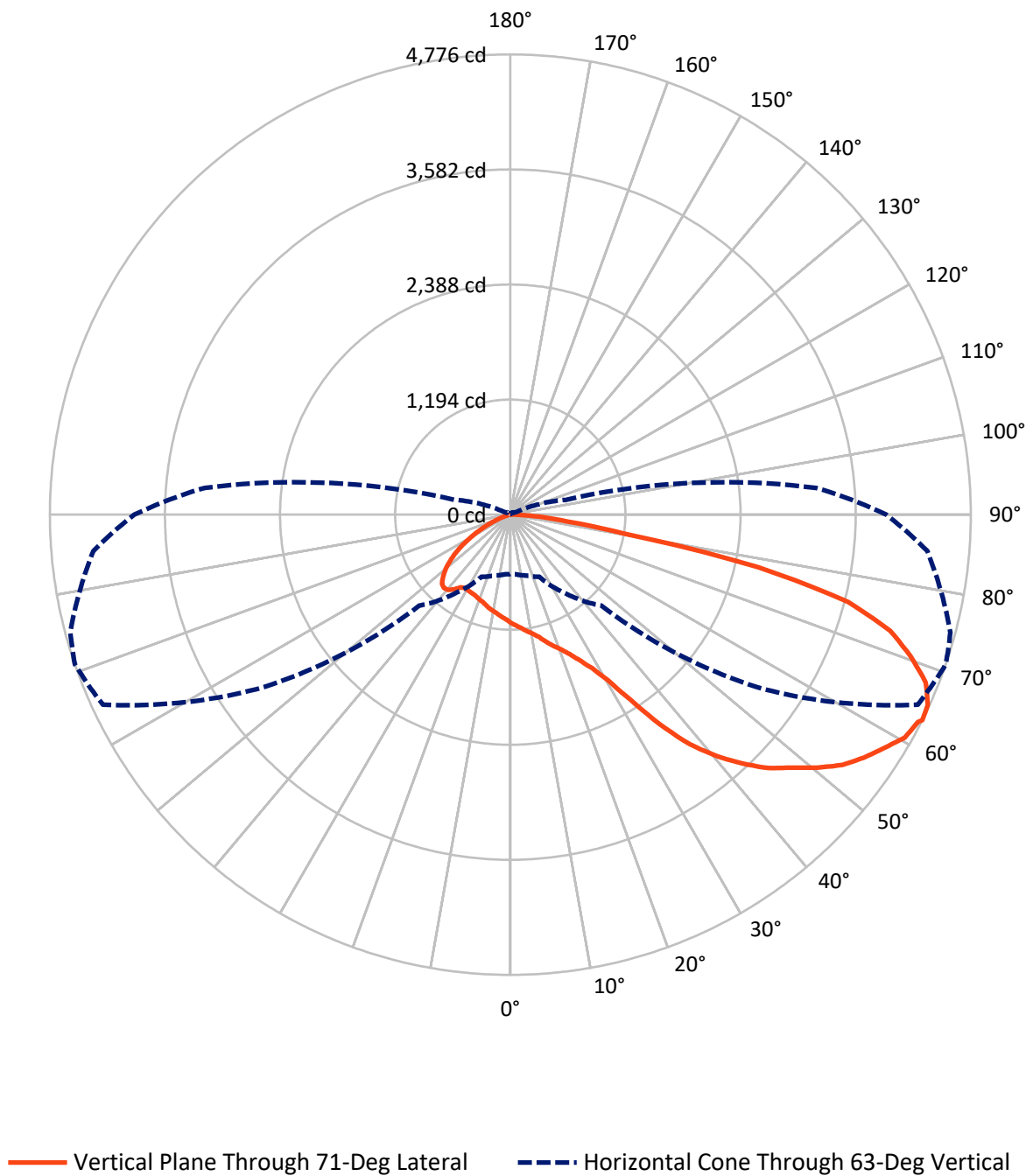


Based on 10 foot mounting height. Maximum calculated value = 15 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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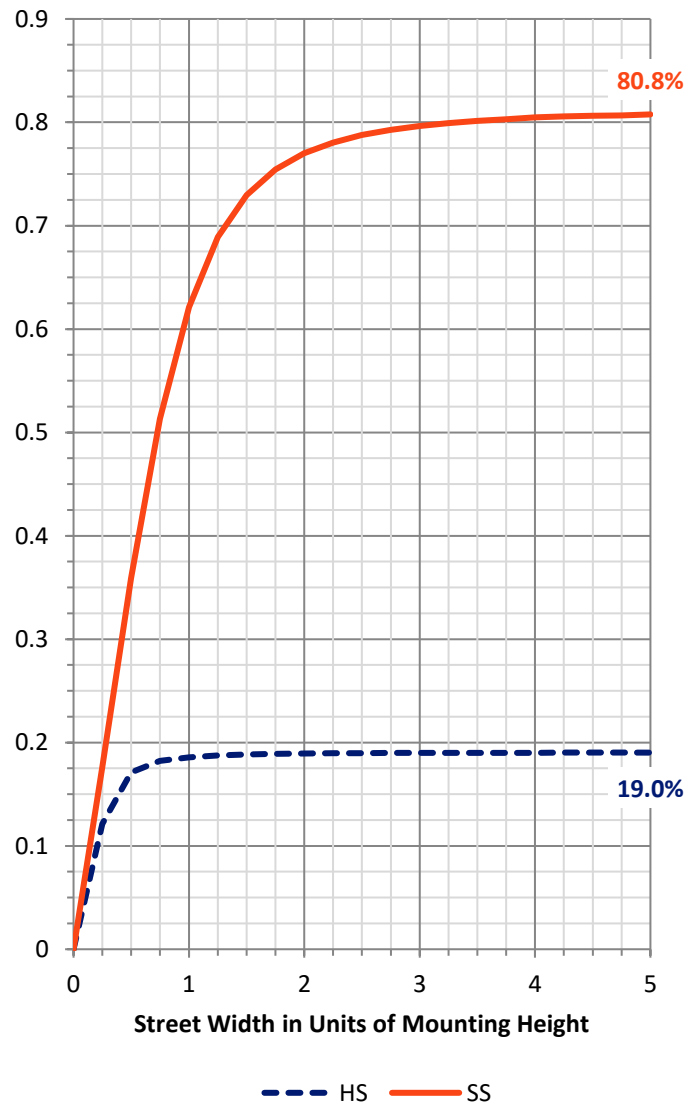
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1260.8	0.0	1260.8
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5290.2	0.0	5290.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	6551.0	0.0	6551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	1.6
10°-20°	322.1	4.9
20°-30°	541.6	8.3
30°-40°	827.7	12.6
40°-50°	1153.1	17.6
50°-60°	1335.5	20.4
60°-70°	1322.6	20.2
70°-80°	819.9	12.5
80°-90°	121.4	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°	6551.0	100.0
0°-180°	6551.0	100.0

Coefficient of Utilization



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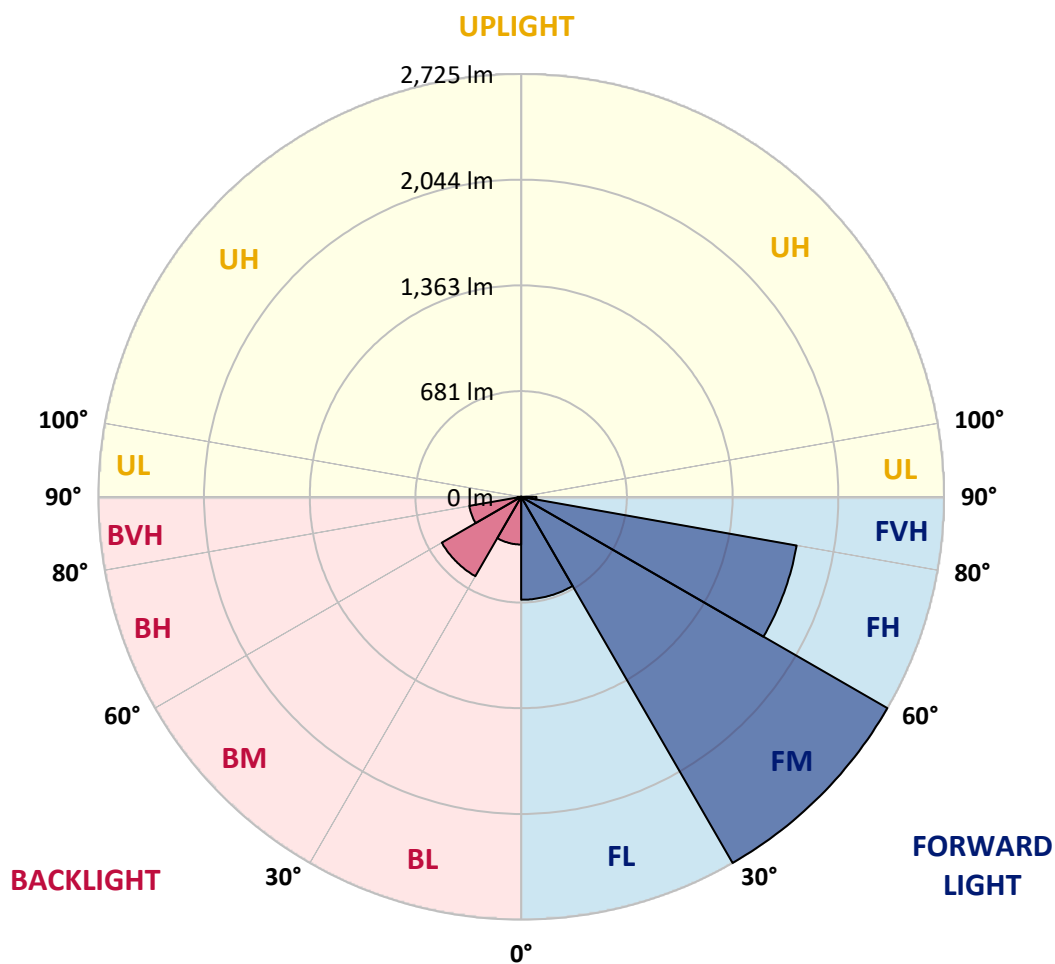
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	663.4	10.1			
FM	(30°-60°)	2725.3	41.6			
FH	(60°-80°)	1803.2	27.5			G2/5000
FVH	(80°-90°)	98.3	1.5			G1/100
BL	(0°-30°)	307.5	4.7	B1/500		
BM	(30°-60°)	591.0	9.0	B1/1000		
BH	(60°-80°)	339.3	5.2	B1/500		G1/500
BVH	(80°-90°)	23.1	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°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9
2.5°	1240.0	1228.1	1227.8	1212.9	1201.7	1195.5	1178.4	1163.5	1150.6	1149.2	1126.3
5°	1307.4	1304.6	1300.8	1277.5	1267.1	1253.2	1234.4	1205.6	1182.3	1176.4	1139.9
7.5°	1383.5	1381.4	1373.8	1352.9	1326.5	1310.2	1273.7	1244.8	1220.2	1207.6	1158.3
10°	1427.3	1427.0	1426.3	1408.9	1388.4	1364.4	1325.5	1283.1	1254.6	1241.4	1170.1
12.5°	1496.9	1487.5	1484.3	1463.1	1437.1	1419.7	1383.9	1338.3	1299.8	1276.5	1196.9
15°	1552.8	1553.2	1547.3	1528.1	1508.7	1480.9	1450.6	1405.1	1362.7	1344.9	1242.7
17.5°	1622.3	1616.1	1609.1	1589.0	1568.5	1539.3	1520.5	1465.2	1430.5	1391.5	1283.1
20°	1666.5	1655.7	1648.1	1635.2	1626.9	1603.6	1586.5	1537.5	1489.9	1456.5	1328.3
22.5°	1697.1	1708.2	1705.1	1684.2	1687.4	1680.4	1658.9	1625.8	1572.3	1517.4	1380.4
25°	1715.9	1713.4	1731.5	1745.1	1768.7	1767.3	1751.3	1722.5	1674.8	1615.7	1458.3
27.5°	1721.4	1721.4	1750.6	1788.9	1844.5	1856.6	1858.7	1857.0	1804.2	1750.6	1560.5
30°	1729.8	1739.2	1767.3	1814.9	1895.6	1943.9	1966.8	2005.4	1992.2	1945.6	1727.3
32.5°	1696.7	1697.8	1738.8	1830.6	1948.1	2048.5	2093.7	2230.3	2288.4	2309.9	2065.6
35°	1590.4	1601.1	1675.9	1802.4	1972.4	2138.6	2261.3	2543.5	2671.5	2674.3	2389.2
37.5°	1516.7	1527.1	1607.4	1761.7	1991.5	2229.3	2452.8	2895.3	3024.7	2992.7	2668.3
40°	1436.0	1453.4	1538.6	1706.8	1988.7	2318.3	2657.6	3206.8	3293.0	3251.0	2896.7
42.5°	1357.5	1360.2	1444.0	1630.7	1974.5	2390.6	2857.8	3436.9	3532.2	3478.0	3120.6
45°	1262.2	1274.7	1357.5	1529.5	1927.2	2435.1	3034.0	3689.3	3752.6	3692.1	3307.6
47.5°	1152.4	1168.4	1274.7	1436.0	1822.2	2441.7	3192.6	3916.3	3922.6	3874.6	3504.4
50°	889.9	900.0	1118.6	1343.9	1696.7	2415.3	3343.8	4086.3	4127.0	4064.4	3672.3
52.5°	805.8	814.1	875.3	1224.0	1528.8	2327.0	3449.4	4281.7	4314.7	4259.8	3836.4
55°	772.4	776.2	797.8	992.1	1388.1	2170.2	3516.2	4427.7	4451.3	4383.2	3972.3
57.5°	714.0	717.5	763.4	846.1	1269.9	1910.9	3507.8	4571.6	4569.8	4493.7	4113.1
60°	669.9	677.2	716.1	778.0	1127.3	1598.7	3393.5	4681.8	4698.8	4628.9	4215.6
62.5°	628.2	630.9	664.0	723.7	1011.6	1371.0	3178.3	4671.7	4743.6	4691.8	4344.6
63°	616.3	621.5	654.2	712.3	994.9	1335.2	3120.3	4663.7	4776.3	4725.6	4341.4
65°	579.8	580.5	612.5	667.4	915.3	1223.6	2927.3	4558.0	4759.3	4728.7	4395.3
67.5°	510.3	515.5	544.0	597.6	782.5	1081.8	2428.8	4487.8	4648.7	4664.7	4307.4
70°	433.1	436.3	471.4	523.9	657.7	917.7	1816.7	4243.1	4404.0	4423.8	4076.2
72.5°	339.6	341.4	379.6	440.8	538.1	757.8	1253.5	3816.5	4118.6	4118.6	3681.0
75°	106.7	126.2	265.9	355.3	434.9	586.4	823.5	2961.0	3620.1	3710.2	3151.5
77.5°	34.8	37.5	84.1	187.4	273.9	450.2	546.8	1574.0	2629.8	2877.3	2485.8
80°	25.0	29.2	52.1	140.4	172.4	191.5	338.9	857.9	1195.1	1566.4	1660.2
82.5°	12.9	16.7	36.8	89.3	98.0	96.6	150.5	405.7	596.9	721.0	861.4
85°	5.9	7.3	16.0	31.3	27.1	25.4	53.2	212.4	336.5	397.7	429.7
87.5°	1.4	2.1	5.9	11.1	7.0	5.6	6.3	67.4	122.7	153.0	158.2
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°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9
2.5°	1116.6	1122.1	1095.7	1082.8	1060.9	1054.0	1043.2	1030.4	1026.2	1036.6	1029.7
5°	1126.3	1118.6	1080.4	1045.6	1016.4	993.5	976.1	954.2	941.0	944.1	946.2
7.5°	1130.1	1113.1	1058.9	1016.1	966.7	937.2	905.6	874.6	861.4	863.5	864.9
10°	1133.9	1108.2	1044.3	981.3	922.6	877.0	840.9	799.9	780.1	780.8	787.4
12.5°	1156.5	1106.5	1032.1	956.0	879.8	823.2	779.0	733.5	705.3	707.4	712.6
15°	1188.5	1121.4	1016.4	918.4	838.5	774.2	719.2	668.8	647.3	650.4	655.3
17.5°	1216.0	1138.1	1004.3	878.8	788.4	719.2	669.5	626.4	587.1	593.0	589.6
20°	1243.8	1161.8	1000.5	845.4	745.3	665.7	609.4	574.6	526.0	512.7	508.6
22.5°	1288.3	1188.2	997.0	814.8	694.2	618.8	548.5	497.4	427.6	403.6	394.2
25°	1346.7	1226.1	991.8	787.4	651.8	562.8	467.6	375.8	324.0	293.4	279.1
27.5°	1425.6	1280.3	999.4	763.0	609.0	496.4	354.9	272.9	226.6	200.2	185.3
30°	1557.7	1351.2	1001.2	741.1	556.9	395.9	252.7	189.8	150.5	132.4	123.4
32.5°	1848.0	1566.4	1016.8	716.1	500.9	291.3	175.9	127.2	95.9	84.5	89.7
35°	2153.2	1830.6	1073.1	680.6	413.3	197.1	116.1	82.4	61.5	63.3	65.0
37.5°	2384.7	2035.7	1191.3	637.2	310.8	134.9	69.9	56.3	54.2	59.1	68.1
40°	2612.4	2239.7	1296.6	584.7	210.7	81.0	47.3	51.8	48.7	50.8	51.4
42.5°	2811.9	2402.4	1372.1	507.2	130.4	47.6	41.4	48.0	44.5	43.5	38.2
45°	3004.8	2543.2	1418.6	400.1	74.7	37.9	37.9	45.9	43.1	40.7	34.8
47.5°	3175.5	2700.7	1407.2	276.4	45.5	34.1	35.5	41.4	40.3	37.2	34.1
50°	3332.6	2814.7	1377.3	156.8	40.0	32.3	34.4	34.4	36.2	28.2	25.7
52.5°	3469.6	2915.8	1281.0	83.8	37.2	30.9	30.9	27.5	29.2	21.6	20.5
55°	3610.4	3021.9	1145.4	65.7	35.5	30.9	27.5	24.0	21.9	15.6	16.7
57.5°	3726.2	3100.1	969.9	59.1	36.5	29.5	25.0	20.9	17.4	12.2	11.8
60°	3833.2	3164.7	799.5	52.5	39.3	29.9	20.9	17.4	12.2	9.7	8.7
62.5°	3897.9	3179.3	620.2	47.6	39.3	27.5	18.8	14.6	9.4	6.6	6.3
63°	3900.0	3183.9	592.0	47.3	40.0	27.5	18.8	14.3	8.7	6.3	5.9
65°	3930.6	3089.7	467.2	46.2	40.7	26.1	17.7	11.5	7.3	4.9	4.5
67.5°	3813.8	2908.2	307.3	45.5	40.7	25.4	15.6	9.7	6.3	3.8	3.1
70°	3505.1	2597.8	188.1	43.8	41.4	25.0	19.5	8.3	5.6	2.8	2.4
72.5°	3079.6	2294.7	108.1	38.9	40.7	20.5	11.1	7.3	4.9	2.1	1.7
75°	2606.8	1844.5	68.1	30.2	31.6	17.0	9.4	6.6	4.2	1.0	1.0
77.5°	1980.7	1327.2	58.4	23.3	18.8	14.9	8.0	5.2	2.8	0.3	0.3
80°	1398.8	937.9	42.1	14.6	10.4	9.4	5.9	3.5	1.0	0.0	0.0
82.5°	787.4	512.4	22.9	5.2	3.1	3.5	2.8	1.4	0.0	0.0	0.0
85°	371.3	200.2	11.5	3.5	1.7	1.4	0.3	0.0	0.0	0.0	0.0
87.5°	138.0	48.3	2.8	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)