

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208527

Luminaire Tested: UPW-SA1-070-730-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5297 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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



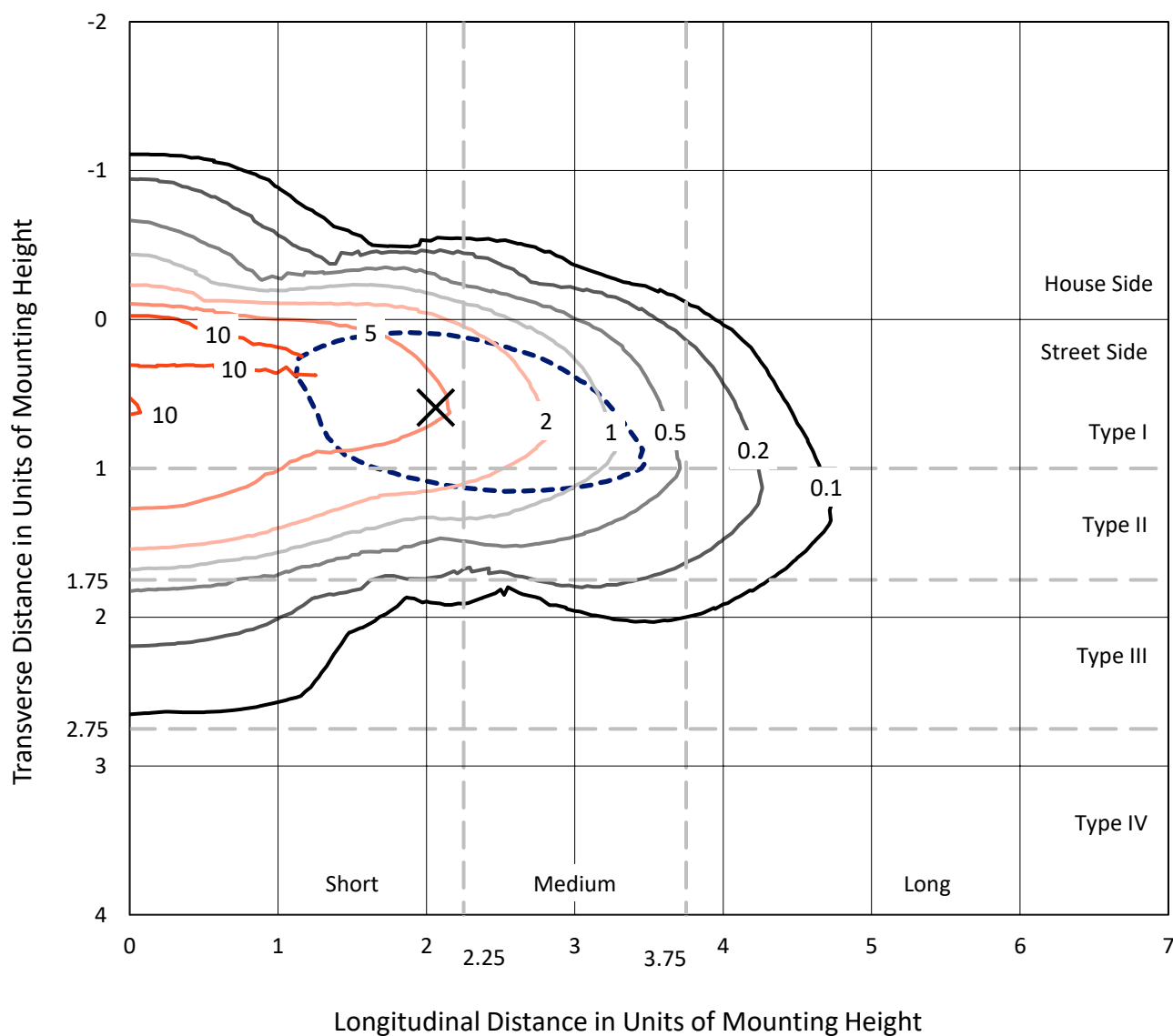
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

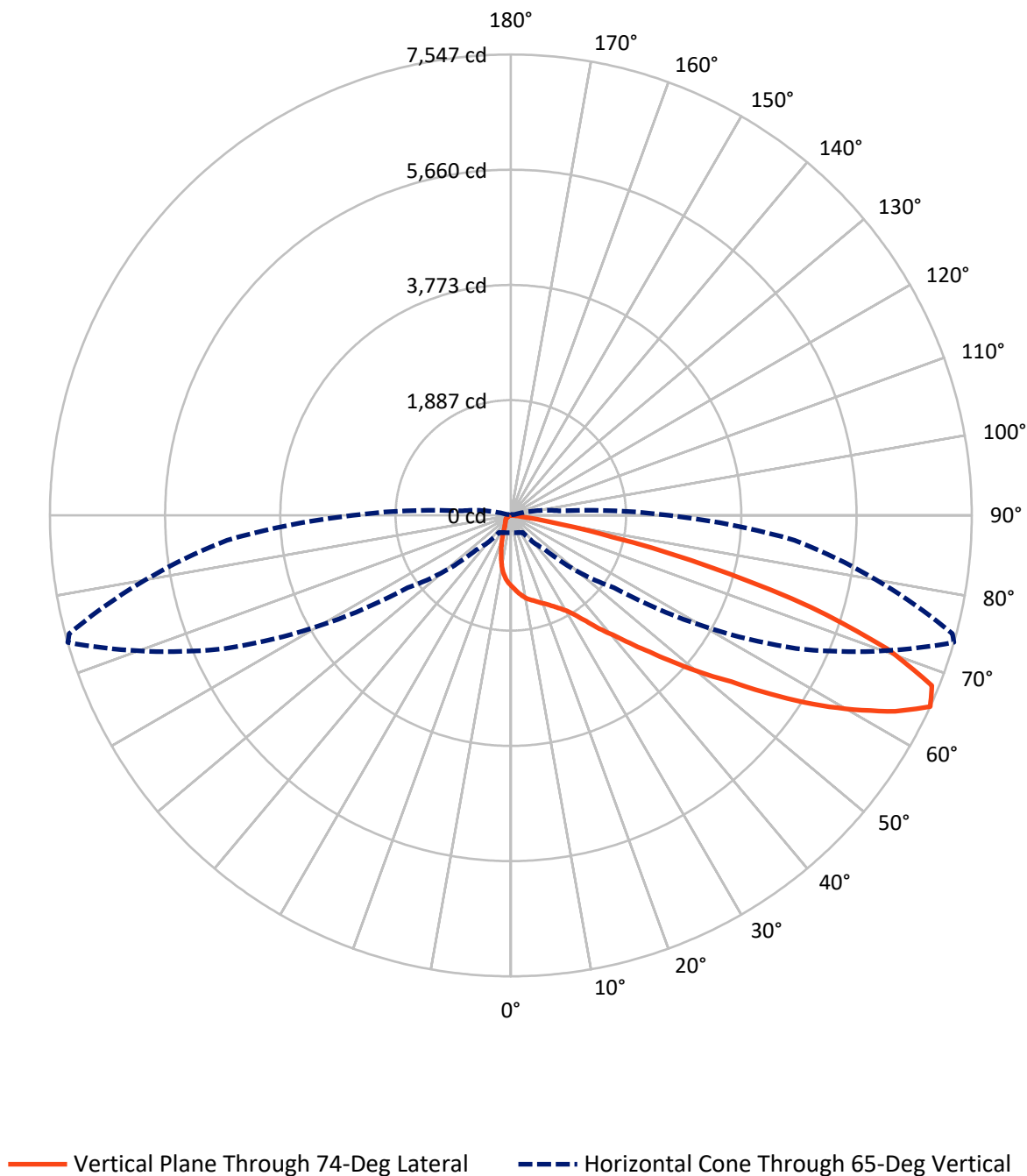


Based on 10 foot mounting height. Maximum calculated value = 14 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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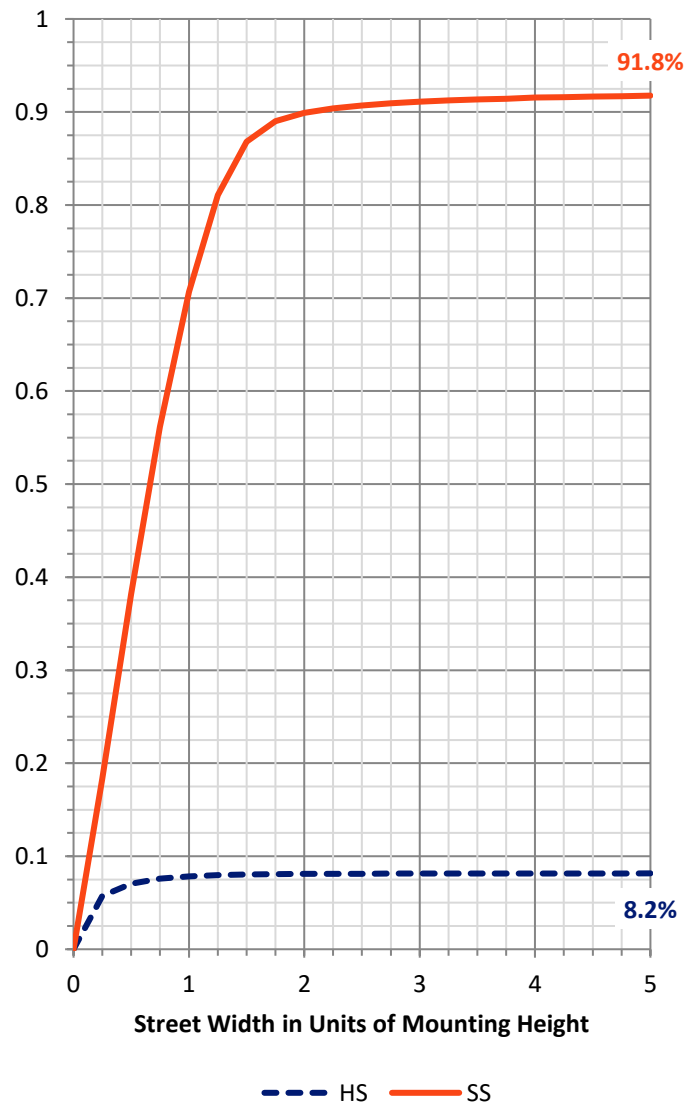
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.4	0.0	435.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	4861.6	0.0	4861.6
	% Fixture	91.8	0.0	91.8
Total	Lumens	5297.0	0.0	5297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	1.9
10°-20°	241.4	4.6
20°-30°	376.4	7.1
30°-40°	594.1	11.2
40°-50°	924.1	17.4
50°-60°	1335.8	25.2
60°-70°	1207.4	22.8
70°-80°	485.3	9.2
80°-90°	34.1	0.6
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°	5297.0	100.0
0°-180°	5297.0	100.0

Coefficient of Utilization



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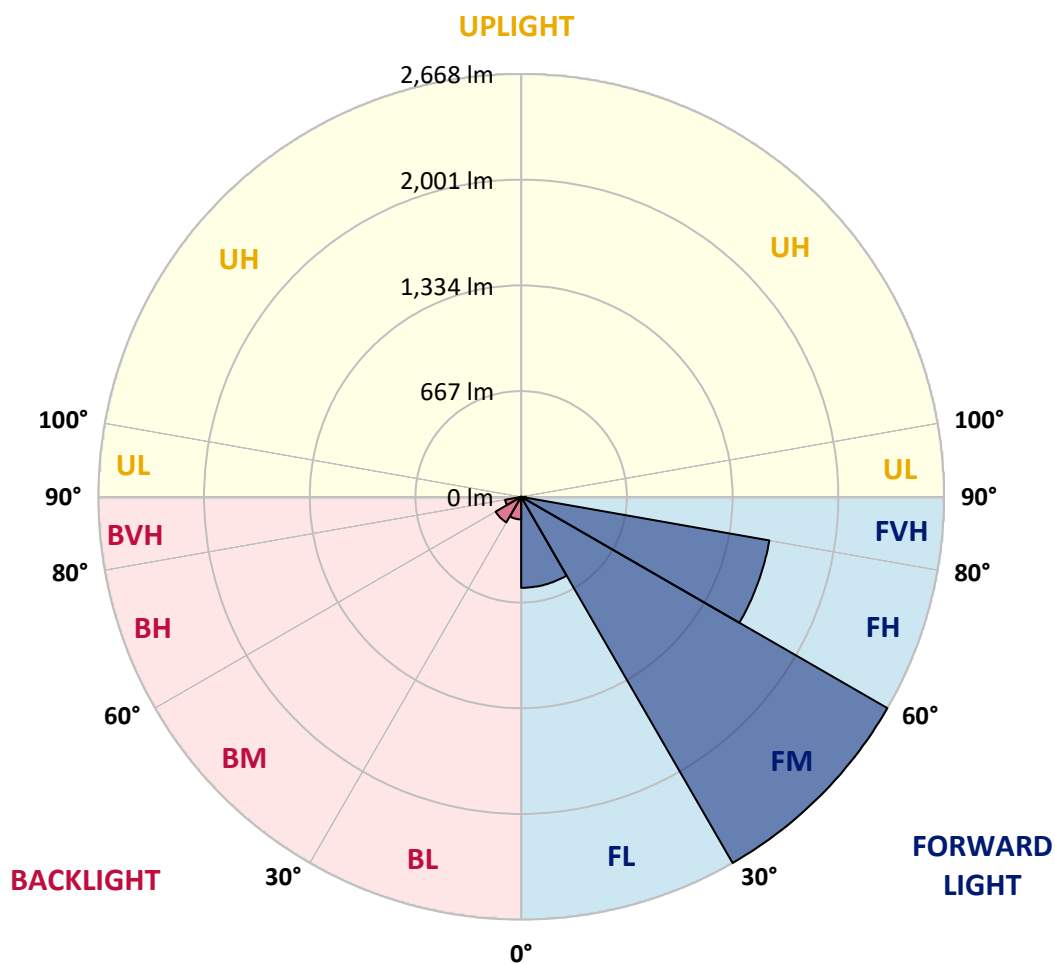
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.9	10.8			
FM	(30°-60°)	2667.6	50.4			
FH	(60°-80°)	1589.8	30.0			G1/1800
FVH	(80°-90°)	30.3	0.6			G1/100
BL	(0°-30°)	142.4	2.7	B1/500		
BM	(30°-60°)	186.3	3.5	B0/220		
BH	(60°-80°)	102.9	1.9	B0/110		G0/110
BVH	(80°-90°)	3.8	0.1			G0/10
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°	74°	75°	85°
0°	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1
2.5°	1302.3	1297.4	1299.9	1289.3	1287.7	1277.2	1253.7	1230.2	1208.4	1202.7	1176.0
5°	1397.1	1394.6	1392.2	1390.6	1383.3	1375.2	1342.0	1310.4	1269.9	1262.6	1206.7
7.5°	1422.2	1419.7	1424.6	1432.7	1437.6	1433.5	1409.2	1378.4	1327.4	1319.3	1238.3
10°	1366.3	1363.9	1385.7	1417.3	1446.5	1467.5	1458.6	1431.1	1377.6	1369.5	1260.2
12.5°	1243.2	1239.9	1275.6	1340.4	1409.2	1469.1	1487.0	1468.3	1418.1	1409.2	1278.0
15°	1130.6	1125.7	1161.4	1227.0	1313.6	1429.5	1497.5	1503.2	1451.3	1445.7	1297.4
17.5°	1070.7	1071.5	1093.3	1147.6	1231.0	1357.4	1486.1	1535.5	1495.9	1488.6	1318.5
20°	1095.0	1096.6	1099.0	1120.1	1170.3	1294.2	1461.0	1570.4	1539.6	1531.5	1345.2
22.5°	1165.4	1169.5	1163.0	1151.7	1158.1	1248.0	1435.1	1608.4	1589.8	1581.7	1363.9
25°	1296.6	1291.8	1271.5	1226.2	1193.8	1234.3	1426.2	1652.2	1653.0	1643.3	1386.5
27.5°	1452.9	1440.0	1415.7	1343.6	1264.2	1256.9	1423.8	1699.1	1726.7	1712.9	1412.4
30°	1585.8	1579.3	1549.3	1482.9	1363.9	1309.6	1430.3	1744.5	1814.1	1806.9	1446.5
32.5°	1671.6	1670.0	1648.1	1603.6	1499.1	1394.6	1458.6	1806.1	1946.2	1921.9	1511.3
35°	1743.7	1736.4	1719.4	1690.2	1627.1	1510.4	1518.5	1904.9	2124.3	2117.0	1614.9
37.5°	1825.5	1816.6	1796.3	1759.9	1716.2	1647.3	1614.1	2032.8	2351.1	2347.9	1751.8
40°	1920.2	1914.6	1894.3	1845.7	1791.5	1750.2	1713.7	2164.8	2570.6	2547.9	1878.1
42.5°	2013.4	2015.0	1999.6	1949.4	1875.7	1819.8	1832.0	2299.3	2856.5	2845.1	2074.9
45°	2119.5	2113.8	2105.7	2069.3	1989.9	1874.9	1945.4	2485.5	3188.5	3216.9	2360.8
47.5°	2194.0	2192.4	2208.6	2181.0	2115.4	1963.2	2062.0	2716.4	3596.7	3623.4	2675.1
50°	2213.4	2211.0	2265.3	2287.9	2285.5	2134.1	2222.3	3008.7	4045.4	4041.3	3026.6
52.5°	2088.7	2094.4	2199.7	2320.3	2432.9	2397.3	2511.5	3411.2	4524.8	4538.6	3357.0
55°	1730.7	1766.4	1883.0	2162.4	2458.8	2665.3	2884.0	3965.2	5157.4	5120.9	3617.0
57.5°	1085.3	1066.6	1263.4	1668.4	2139.7	2685.6	3185.3	4521.6	5832.8	5786.7	3999.2
60°	553.2	528.9	643.9	930.6	1485.3	2257.2	3191.8	5006.7	6455.6	6403.8	4385.5
62.5°	338.5	334.5	358.0	454.3	769.4	1522.6	2765.8	5299.9	7064.7	7023.4	4647.1
65°	285.1	284.3	293.2	308.6	341.0	790.5	2063.6	5156.6	7546.5	7486.6	4662.5
67.5°	252.7	252.7	271.3	278.6	226.8	340.2	1265.9	4560.5	7434.0	7422.6	4337.8
70°	217.9	214.6	240.5	262.4	188.7	174.9	652.0	3663.9	6530.9	6568.2	3694.7
72.5°	164.4	167.6	194.4	223.5	154.7	123.1	298.0	2564.1	5142.8	5160.6	2903.4
75°	123.9	127.2	150.6	183.0	124.7	93.1	164.4	1665.9	3368.3	3408.8	1695.9
77.5°	94.8	95.6	119.1	151.4	96.4	71.3	111.0	925.7	1707.2	1670.8	659.2
80°	65.6	68.0	93.1	117.4	76.9	53.5	74.5	400.9	616.3	568.5	204.9
82.5°	24.3	31.6	65.6	85.0	54.3	38.1	55.1	161.2	180.6	169.3	75.3
85°	4.0	4.0	35.6	62.4	29.2	22.7	34.8	55.9	59.1	62.4	38.9
87.5°	0.0	0.0	4.0	13.8	4.9	3.2	9.7	13.8	28.3	31.6	21.1
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°	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1	1154.1
2.5°	1158.1	1141.1	1107.1	1078.0	1032.6	992.9	967.8	948.4	933.8	916.8	899.8
5°	1171.1	1131.4	1048.0	954.0	857.7	771.0	699.7	635.0	592.8	588.0	567.7
7.5°	1182.4	1119.3	978.3	811.5	664.1	538.6	450.3	396.0	349.1	334.5	341.0
10°	1182.4	1098.2	886.0	656.8	479.5	351.5	286.7	251.1	238.1	232.4	227.6
12.5°	1179.2	1064.2	770.2	511.8	333.7	255.9	226.8	213.8	206.5	203.3	201.7
15°	1174.3	1022.9	656.0	382.3	255.1	219.5	204.9	195.2	188.7	185.5	183.0
17.5°	1171.1	980.0	552.3	289.9	220.3	200.0	187.9	178.2	172.5	167.6	166.8
20°	1161.4	929.8	451.9	238.1	200.0	183.0	170.1	161.2	155.5	149.8	149.8
22.5°	1146.0	858.5	357.2	207.3	183.0	166.0	152.3	143.4	137.7	134.4	132.8
25°	1126.6	788.0	283.5	189.5	166.8	148.2	136.1	127.2	122.3	120.7	119.1
27.5°	1104.7	717.6	233.2	174.9	151.4	133.6	119.9	113.4	110.1	108.5	106.9
30°	1086.9	653.6	202.5	162.8	136.9	119.1	106.9	101.2	98.8	98.0	96.4
32.5°	1088.5	599.3	181.4	149.0	125.5	107.7	95.6	89.9	89.9	89.1	89.1
35°	1118.5	565.3	166.8	136.9	113.4	96.4	85.8	81.0	82.6	82.6	81.8
37.5°	1150.9	531.3	153.1	123.9	102.9	85.8	75.3	72.9	73.7	74.5	74.5
40°	1193.0	506.2	141.7	111.8	92.3	76.9	68.0	65.6	65.6	65.6	64.8
42.5°	1288.5	503.8	132.0	101.2	82.6	68.0	61.6	58.3	56.7	55.9	54.3
45°	1423.0	521.6	125.5	91.5	72.9	61.6	55.9	51.8	47.0	44.5	43.7
47.5°	1596.3	567.7	119.9	82.6	64.0	55.9	50.2	44.5	38.1	34.8	34.0
50°	1812.5	639.8	114.2	75.3	57.5	50.2	43.7	36.4	30.0	26.7	26.7
52.5°	2015.0	724.9	108.5	68.8	51.0	46.2	37.3	29.2	23.5	21.1	20.2
55°	2197.2	820.4	102.0	61.6	46.2	40.5	30.8	22.7	17.0	14.6	13.8
57.5°	2416.7	941.1	93.9	54.3	41.3	34.8	24.3	16.2	11.3	8.1	7.3
60°	2656.4	1001.8	83.4	47.8	35.6	29.2	18.6	11.3	6.5	3.2	3.2
62.5°	2734.2	971.9	70.5	41.3	30.8	23.5	13.8	7.3	2.4	0.0	0.0
65°	2592.5	832.6	59.9	36.4	26.7	17.8	9.7	4.0	0.0	0.0	0.0
67.5°	2266.1	647.9	49.4	31.6	22.7	14.6	6.5	0.8	0.0	0.0	0.0
70°	1870.8	480.3	41.3	25.9	19.4	11.3	4.0	0.0	0.0	0.0	0.0
72.5°	1444.0	341.0	35.6	21.9	16.2	8.9	2.4	0.0	0.0	0.0	0.0
75°	815.6	183.0	32.4	21.9	14.6	7.3	1.6	0.0	0.0	0.0	0.0
77.5°	336.9	84.2	28.3	21.9	14.6	8.1	2.4	0.0	0.0	0.0	0.0
80°	105.3	42.9	24.3	22.7	15.4	8.9	2.4	0.0	0.0	0.0	0.0
82.5°	49.4	33.2	25.1	21.1	13.8	8.1	2.4	0.0	0.0	0.0	0.0
85°	25.9	17.0	17.8	17.8	12.1	7.3	2.4	0.0	0.0	0.0	0.0
87.5°	7.3	0.8	0.0	0.0	0.0	0.0	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)