

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: P1210231

Luminaire Tested: **ARCH2-60-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-60-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

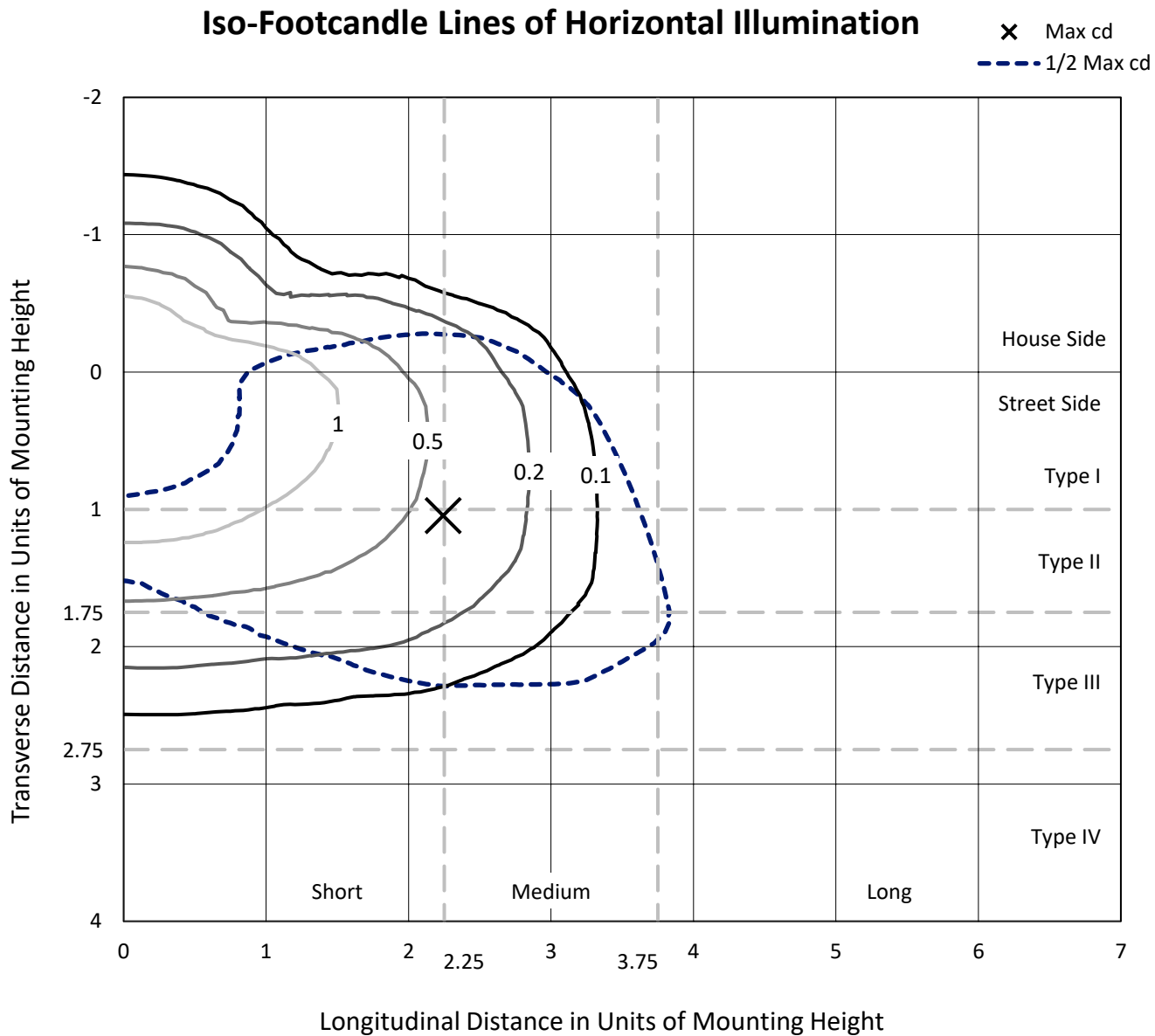
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7873 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
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: 24 FT



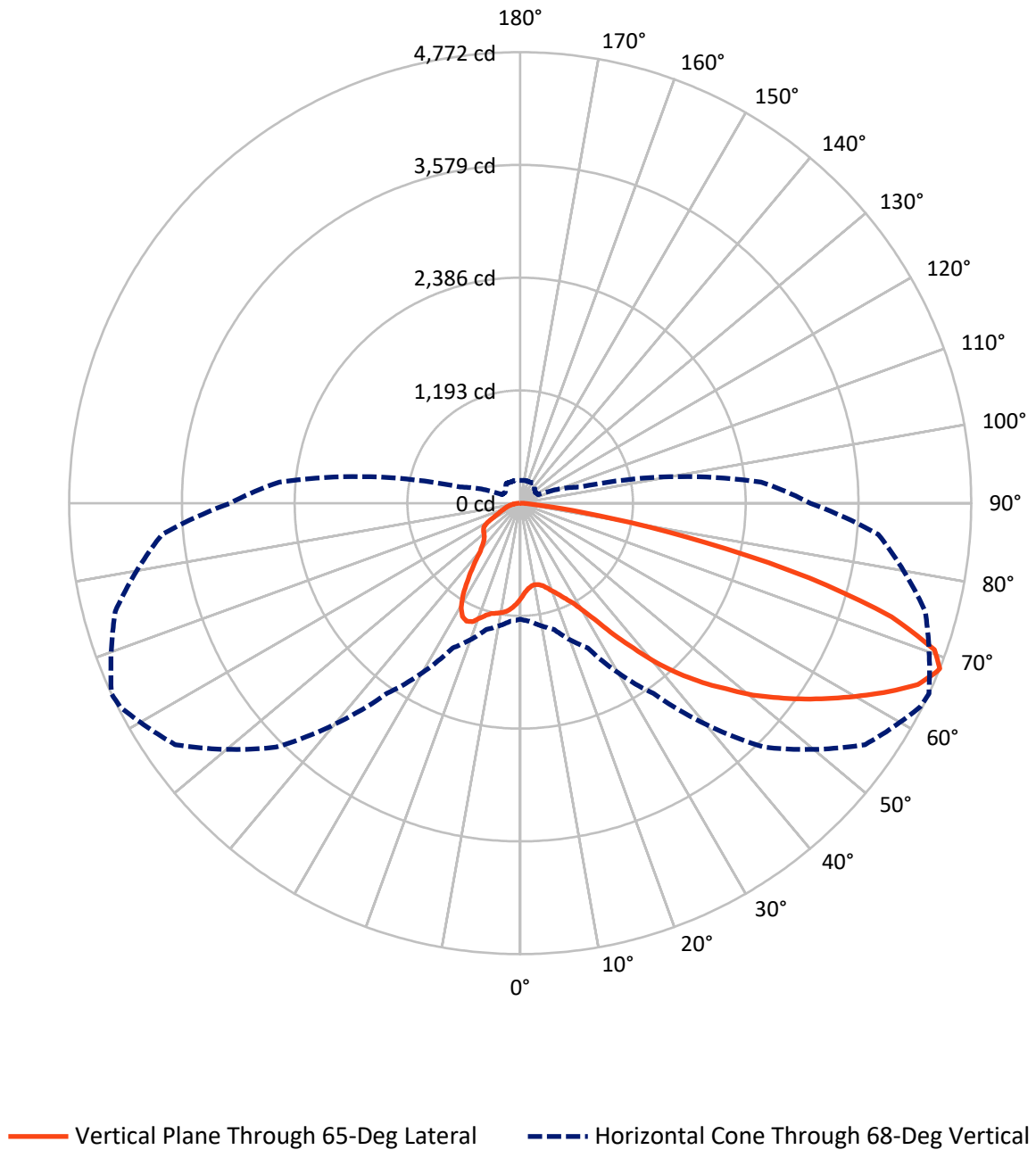
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Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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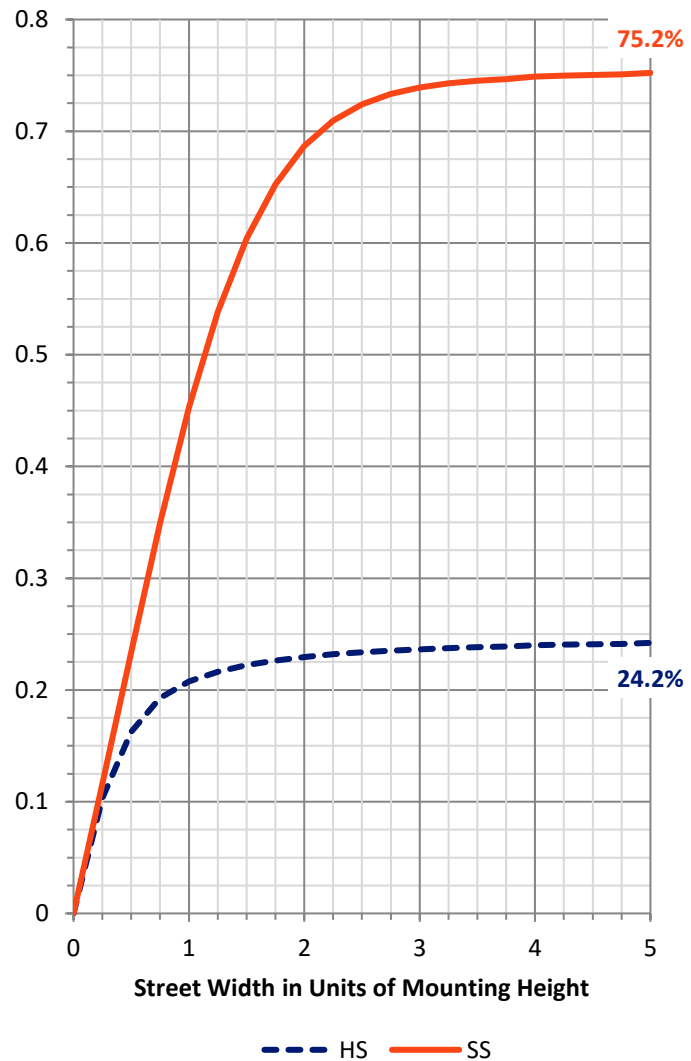
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1930.2	0.0	1930.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5942.8	0.0	5942.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	7873.0	0.0	7873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	1.2
10°-20°	313.1	4.0
20°-30°	566.6	7.2
30°-40°	891.4	11.3
40°-50°	1327.6	16.9
50°-60°	1741.5	22.1
60°-70°	1904.5	24.2
70°-80°	942.4	12.0
80°-90°	89.9	1.1
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°	7873.0	100.0
0°-180°	7873.0	100.0

Coefficient of Utilization



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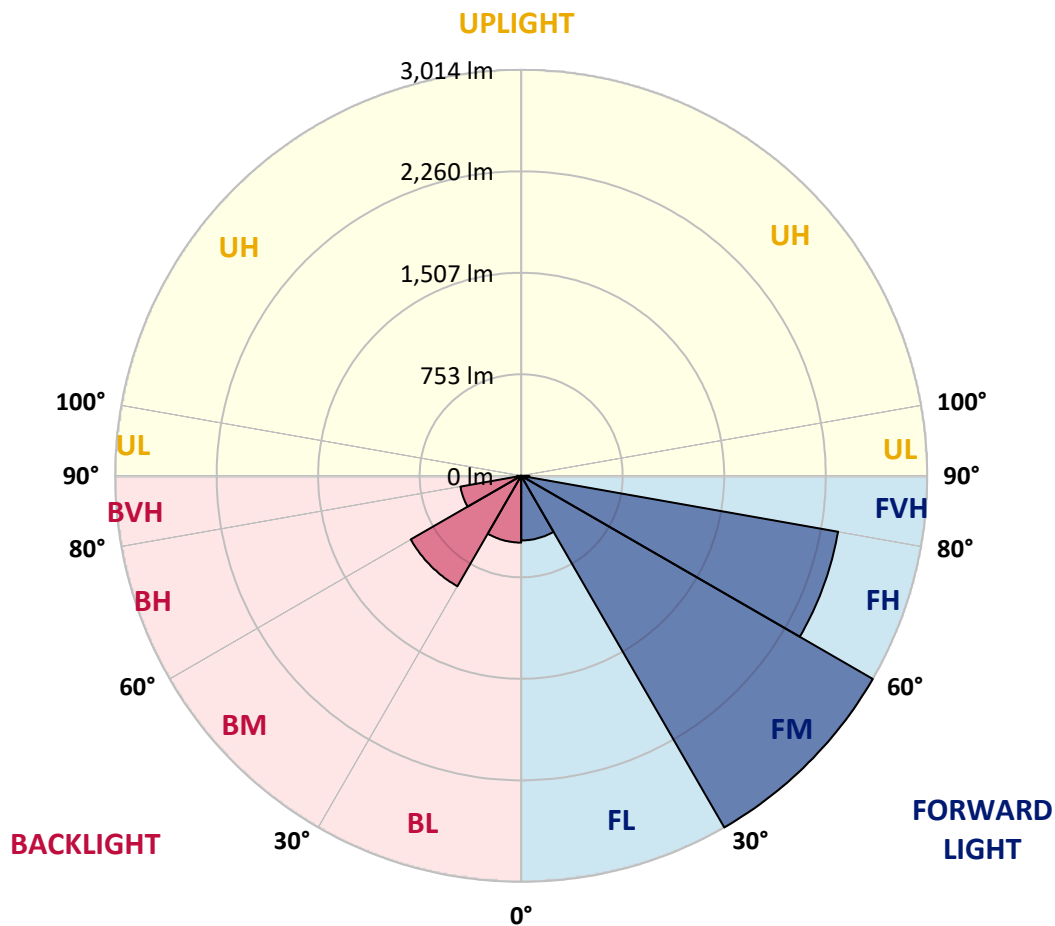
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	479.9	6.1			
FM	(30°-60°)	3013.7	38.3			
FH	(60°-80°)	2388.7	30.3			G2/5000
FVH	(80°-90°)	60.5	0.8			G1/100
BL	(0°-30°)	495.9	6.3	B1/500		
BM	(30°-60°)	946.8	12.0	B1/1000		
BH	(60°-80°)	458.1	5.8	B1/500		G1/500
BVH	(80°-90°)	29.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1
2.5°	878.2	876.1	881.2	886.3	897.4	910.6	928.9	944.1	946.2	974.6	996.9
5°	826.4	823.3	828.4	834.5	839.6	855.8	875.1	897.4	906.6	948.2	995.9
7.5°	831.5	830.4	832.5	830.4	830.4	837.5	850.7	873.1	883.2	933.0	1001.0
10°	860.9	862.9	863.9	857.9	851.8	848.7	852.8	868.0	875.1	934.0	1023.3
12.5°	909.6	912.7	913.7	902.5	894.4	881.2	874.1	880.2	885.3	944.1	1054.8
15°	975.6	977.6	970.5	963.4	943.1	926.9	909.6	904.6	906.6	965.5	1090.3
17.5°	1052.8	1049.7	1049.7	1032.5	1006.1	980.7	952.3	948.2	948.2	1000.0	1141.1
20°	1137.0	1140.1	1130.9	1107.6	1081.2	1041.6	1013.2	994.9	996.9	1039.6	1203.0
22.5°	1258.9	1263.9	1239.6	1206.1	1165.5	1119.8	1079.2	1049.7	1050.7	1091.4	1267.0
25°	1389.8	1391.9	1376.6	1332.0	1277.1	1212.2	1158.4	1120.8	1119.8	1149.2	1349.2
27.5°	1523.8	1533.0	1502.5	1459.9	1409.1	1327.9	1256.8	1206.1	1197.9	1237.5	1451.8
30°	1661.9	1673.1	1643.6	1602.0	1539.1	1470.0	1385.8	1326.9	1321.8	1374.6	1588.8
32.5°	1801.0	1804.0	1780.7	1746.2	1689.3	1624.3	1556.3	1491.3	1486.3	1572.6	1766.5
35°	1914.7	1923.8	1907.6	1899.5	1857.8	1797.9	1731.9	1694.4	1707.6	1818.2	1996.9
37.5°	2051.7	2060.9	2042.6	2040.6	2027.4	1975.6	1929.9	1933.0	1946.2	2096.4	2239.6
40°	2249.7	2259.9	2213.2	2192.9	2192.9	2142.1	2126.9	2198.9	2216.2	2370.5	2492.3
42.5°	2417.2	2433.5	2406.0	2392.9	2353.3	2317.7	2336.0	2437.5	2467.0	2632.4	2712.6
45°	2498.4	2510.6	2543.1	2581.7	2543.1	2481.2	2550.2	2664.9	2706.6	2874.1	2932.9
47.5°	2542.1	2553.3	2590.8	2694.4	2720.8	2669.0	2766.4	2909.6	2938.0	3113.7	3143.1
50°	2548.2	2583.7	2632.4	2736.0	2856.8	2863.9	2983.7	3158.3	3191.8	3349.2	3327.9
52.5°	2498.4	2512.6	2613.2	2787.8	2921.8	3043.6	3220.2	3396.9	3421.3	3570.5	3491.3
55°	2417.2	2437.5	2538.0	2775.6	2984.7	3214.2	3460.9	3631.4	3658.8	3785.7	3642.6
57.5°	2344.1	2354.3	2461.9	2740.1	3047.7	3384.7	3675.1	3876.1	3894.3	3974.5	3754.2
60°	2262.9	2274.1	2381.7	2663.9	3094.4	3513.6	3898.4	4122.8	4139.0	4173.5	3884.2
62.5°	2052.8	2082.2	2217.2	2538.0	3082.2	3660.8	4137.0	4366.4	4386.7	4349.2	3986.7
65°	1667.0	1708.6	1874.1	2252.8	2968.5	3756.3	4331.9	4590.8	4625.3	4481.1	4014.1
67.5°	1294.4	1323.8	1456.8	1787.8	2569.5	3708.6	4457.8	4745.1	4755.2	4459.8	3861.9
68°	1227.4	1256.8	1383.7	1690.3	2458.8	3651.7	4454.7	4749.2	4771.5	4436.5	3803.0
70°	939.1	972.6	1093.4	1339.1	1981.7	3290.3	4269.0	4651.7	4648.6	4154.2	3437.5
72.5°	586.8	606.1	689.3	844.7	1310.6	2503.5	3623.3	4102.5	4110.6	3386.7	2636.5
75°	372.6	372.6	368.5	409.1	672.1	1426.4	2693.4	3158.3	3164.4	2371.5	1661.9
77.5°	323.9	314.7	271.1	229.4	268.0	554.3	1593.9	2039.6	2006.1	1277.1	788.8
80°	273.1	257.9	222.3	184.8	172.6	173.6	612.2	1035.5	990.8	459.9	261.9
82.5°	197.0	183.8	167.5	145.2	133.0	103.6	127.9	299.5	292.4	133.0	85.3
85°	106.6	96.4	94.4	95.4	80.2	64.0	53.8	66.0	66.0	57.9	48.7
87.5°	37.6	27.4	32.5	36.5	31.5	26.4	21.3	25.4	26.4	25.4	23.3
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°	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1
2.5°	1010.1	1020.3	1044.7	1066.0	1081.2	1094.4	1101.5	1104.5	1111.7	1112.7	1110.6
5°	1018.3	1044.7	1081.2	1112.7	1129.9	1137.0	1139.1	1140.1	1137.0	1139.1	1137.0
7.5°	1039.6	1073.1	1124.9	1152.3	1155.3	1144.1	1145.2	1141.1	1145.2	1149.2	1149.2
10°	1072.1	1114.7	1163.4	1173.6	1160.4	1154.3	1166.5	1190.8	1199.0	1210.1	1210.1
12.5°	1114.7	1165.5	1200.0	1190.8	1178.7	1199.0	1234.5	1258.9	1267.0	1271.0	1268.0
15°	1163.4	1218.3	1235.5	1205.1	1227.4	1271.0	1283.2	1269.0	1248.7	1239.6	1244.6
17.5°	1225.4	1271.0	1260.9	1240.6	1291.3	1297.4	1257.8	1212.2	1179.7	1167.5	1175.6
20°	1290.3	1329.9	1283.2	1292.4	1323.8	1258.9	1183.7	1124.9	1096.4	1091.4	1099.5
22.5°	1359.4	1384.7	1305.6	1352.3	1305.6	1173.6	1083.2	1052.8	1045.7	1053.8	1060.9
25°	1437.5	1434.5	1344.1	1370.5	1237.5	1069.0	1015.2	1013.2	1013.2	1018.3	1028.4
27.5°	1525.9	1478.1	1382.7	1346.2	1119.8	982.7	972.6	973.6	970.5	971.6	976.6
30°	1628.4	1537.0	1425.4	1266.0	987.8	917.8	913.7	910.6	903.5	901.5	903.5
32.5°	1757.3	1599.0	1469.0	1134.0	872.1	850.7	848.7	832.5	815.2	813.2	820.3
35°	1920.8	1711.6	1491.3	968.5	776.6	775.6	768.5	743.1	720.8	720.8	715.7
37.5°	2107.6	1856.8	1500.5	807.1	697.4	702.5	682.2	649.7	632.5	622.3	625.4
40°	2298.4	2022.3	1499.5	666.0	628.4	629.4	614.2	574.6	532.0	506.6	512.7
42.5°	2482.2	2172.6	1473.1	590.9	572.6	569.5	557.4	503.5	468.0	447.7	448.7
45°	2629.4	2327.9	1432.5	546.2	521.8	526.9	499.5	467.0	434.5	416.2	415.2
47.5°	2776.6	2445.6	1367.5	518.8	484.3	475.1	464.0	441.6	417.3	396.9	398.0
50°	2910.6	2546.1	1306.6	500.5	449.7	426.4	428.4	415.2	393.9	375.6	374.6
52.5°	3005.0	2612.1	1273.1	490.3	408.1	382.7	389.8	382.7	362.4	349.2	348.2
55°	3099.4	2662.9	1284.2	477.1	362.4	342.1	354.3	352.3	341.1	337.0	338.1
57.5°	3175.6	2701.5	1323.8	452.8	318.8	306.6	326.9	320.8	312.7	313.7	313.7
60°	3249.7	2751.2	1370.5	396.9	281.2	282.2	301.5	290.4	285.3	294.4	295.4
62.5°	3326.8	2805.0	1332.0	315.7	248.7	255.8	278.2	269.0	271.1	284.3	288.3
65°	3317.7	2800.0	1085.3	258.9	220.3	234.5	268.0	265.0	266.0	271.1	273.1
67.5°	3130.9	2621.3	746.2	220.3	200.0	217.3	259.9	247.7	248.7	245.7	246.7
68°	3068.0	2558.3	657.9	214.2	195.9	213.2	255.8	244.7	245.7	242.6	241.6
70°	2724.8	2190.8	416.2	188.8	181.7	202.0	235.5	231.5	230.5	228.4	228.4
72.5°	2077.1	1617.2	219.3	163.4	165.5	184.8	210.1	218.3	213.2	214.2	220.3
75°	1375.6	972.6	152.3	140.1	145.2	158.4	186.8	203.0	198.0	201.0	198.0
77.5°	727.9	523.8	121.8	118.8	118.8	127.9	154.3	179.7	179.7	177.7	174.6
80°	238.6	184.8	97.5	93.4	95.4	100.5	123.9	147.2	150.3	146.2	144.2
82.5°	80.2	85.3	73.1	68.0	70.0	74.1	93.4	112.7	113.7	105.6	103.6
85°	49.7	56.9	45.7	44.7	44.7	45.7	56.9	61.9	56.9	50.8	52.8
87.5°	23.3	28.4	21.3	18.3	15.2	13.2	10.2	4.1	4.1	2.0	2.0
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)