

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: P799557

Luminaire Tested: **ARCH2-30-750-U-T2U**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-18)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-750-U-T2U
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

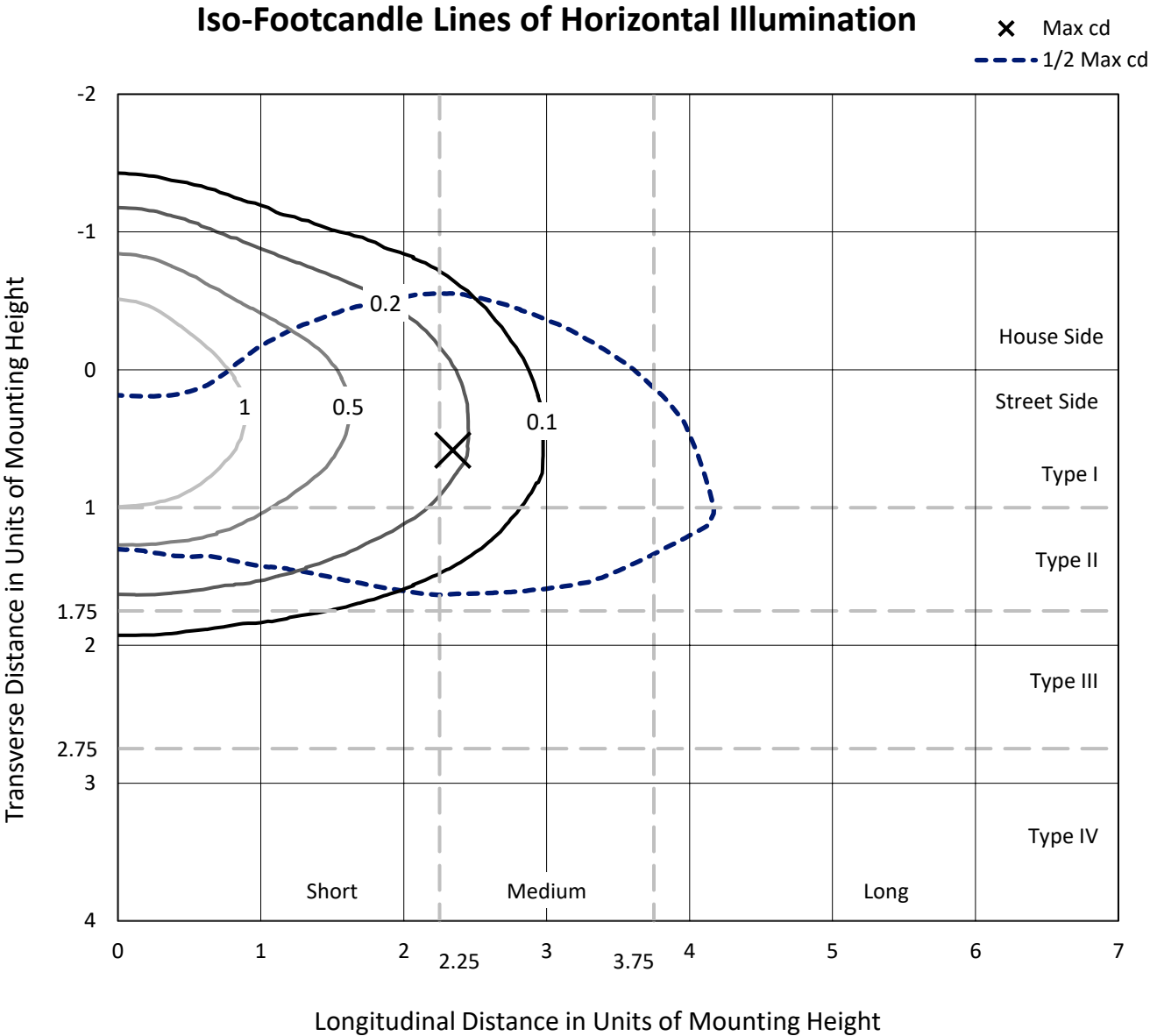
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5386 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 34.4
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

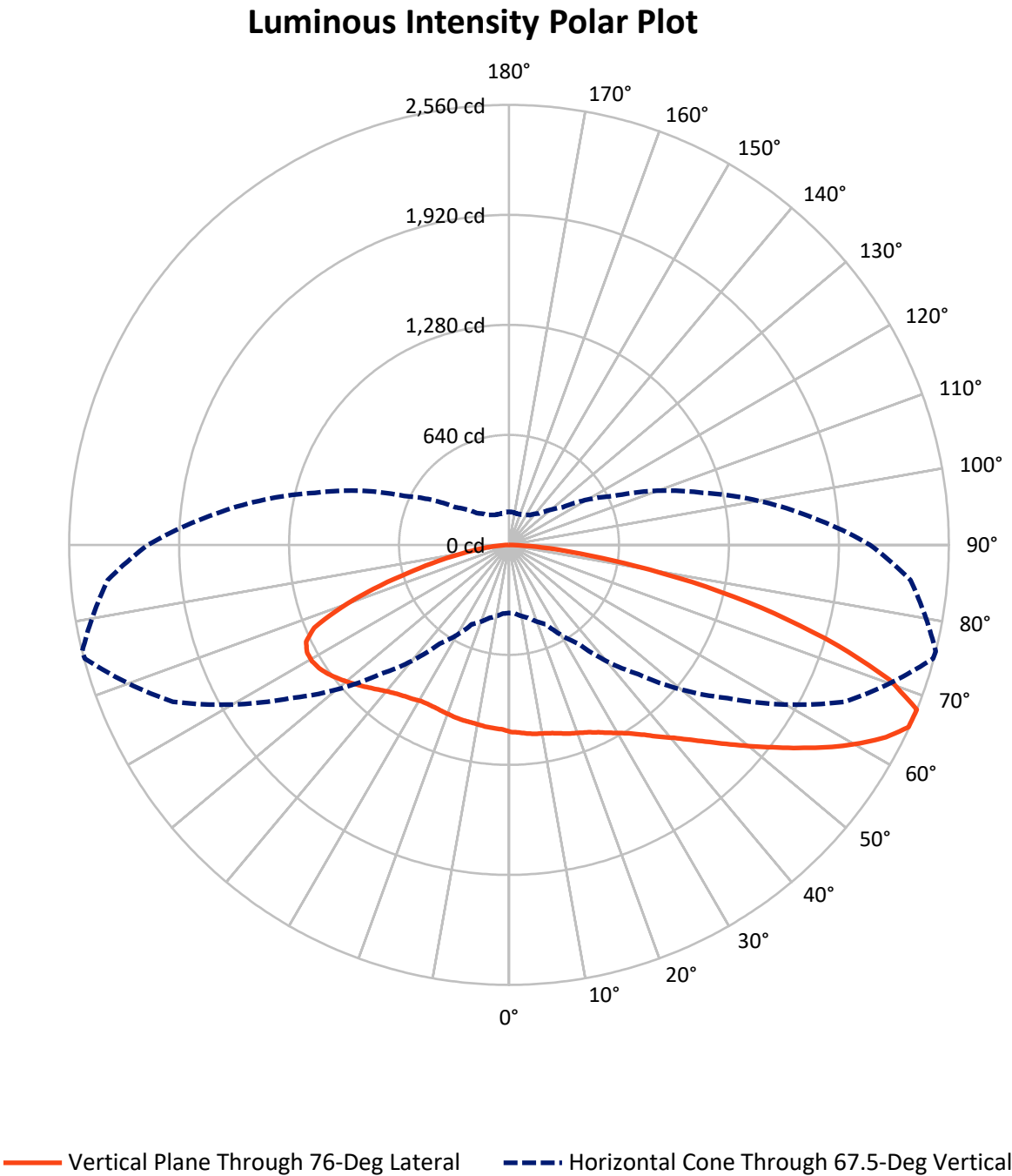


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Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type II - Medium - N/A

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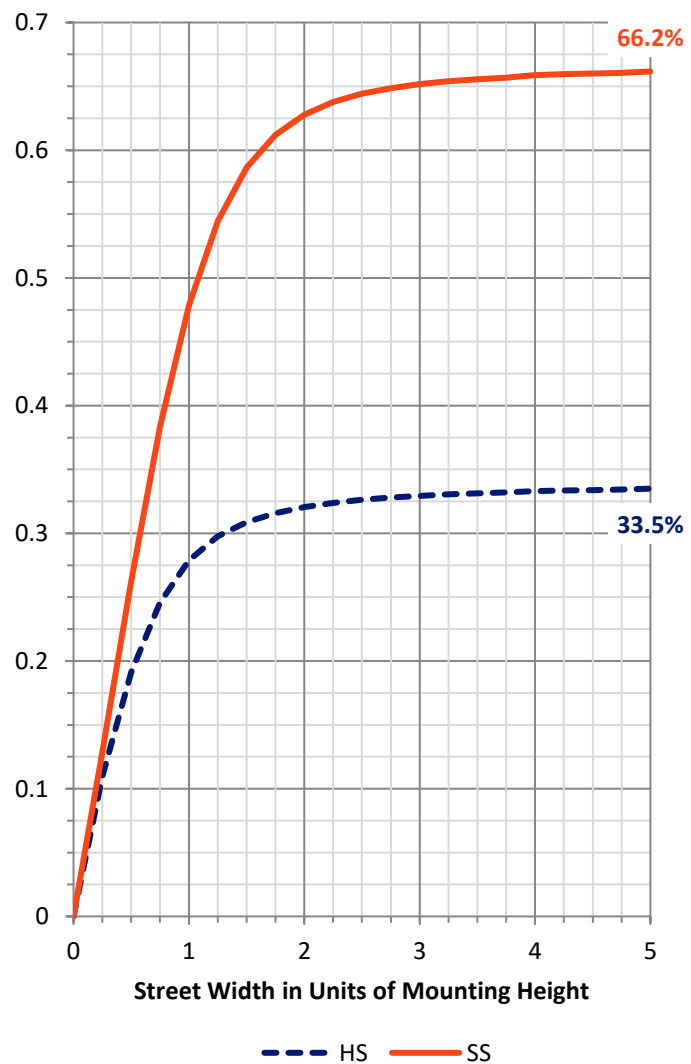
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1820.0	0.0	1820.0
	% Fixture	33.8	0.0	33.8
Street Side	Lumens	3566.0	0.0	3566.0
	% Fixture	66.2	0.0	66.2
Total	Lumens	5386.0	0.0	5386.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	1.9
10°-20°	320.7	6.0
20°-30°	544.9	10.1
30°-40°	775.4	14.4
40°-50°	979.2	18.2
50°-60°	1060.2	19.7
60°-70°	986.1	18.3
70°-80°	529.6	9.8
80°-90°	84.9	1.6
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°	5386.0	100.0
0°-180°	5386.0	100.0

Coefficient of Utilization



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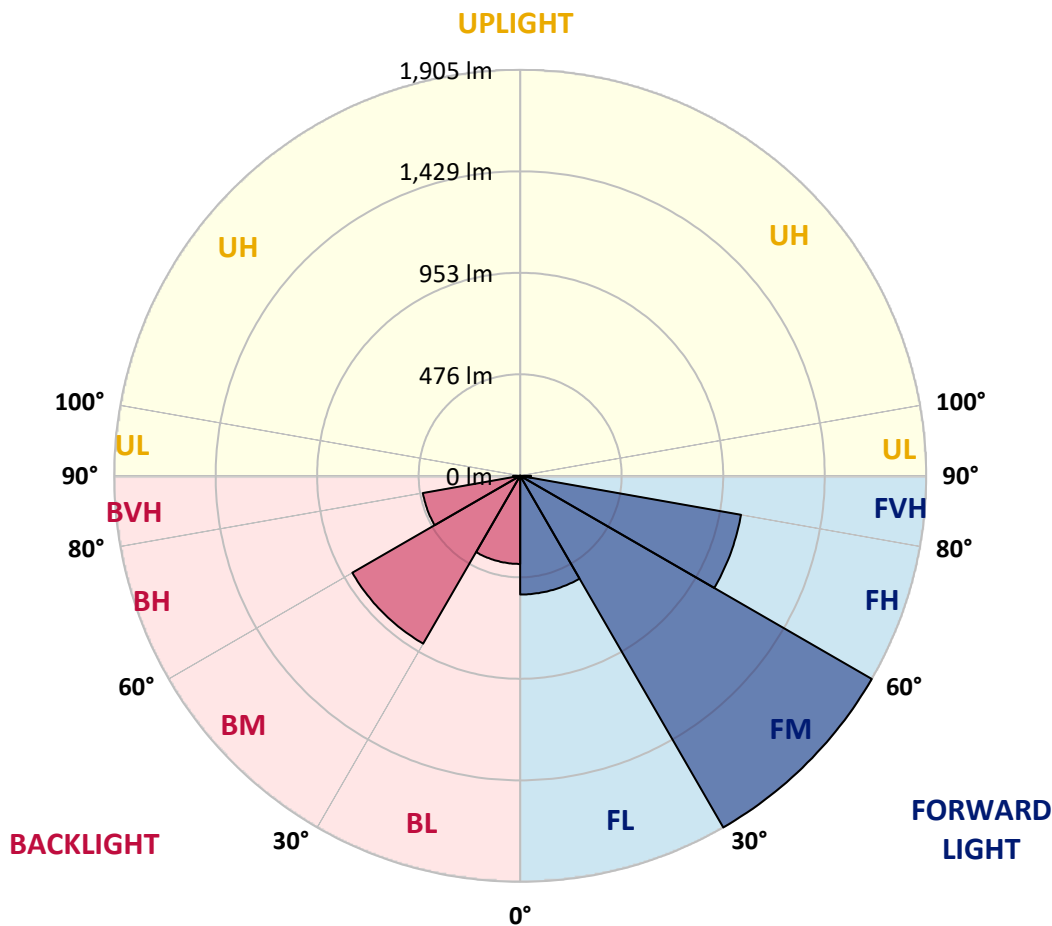
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	557.0	10.3			
FM	(30°-60°)	1905.3	35.4			
FH	(60°-80°)	1052.4	19.5			G1/1800
FVH	(80°-90°)	51.3	1.0			G1/100
BL	(0°-30°)	413.6	7.7	B1/500		
BM	(30°-60°)	909.5	16.9	B1/1000		
BH	(60°-80°)	463.4	8.6	B1/500		G1/500
BVH	(80°-90°)	33.5	0.6			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0
2.5°	1121.0	1119.0	1111.0	1112.0	1112.0	1111.0	1099.0	1094.0	1094.0	1093.0	1082.0
5°	1161.0	1158.0	1149.0	1147.0	1143.0	1138.0	1119.0	1108.0	1103.0	1102.0	1087.0
7.5°	1208.0	1204.0	1193.0	1187.0	1177.0	1164.0	1140.0	1123.0	1111.0	1110.0	1089.0
10°	1255.0	1251.0	1238.0	1227.0	1213.0	1192.0	1161.0	1136.0	1117.0	1115.0	1090.0
12.5°	1311.0	1307.0	1291.0	1277.0	1256.0	1228.0	1187.0	1153.0	1127.0	1124.0	1093.0
15°	1369.9	1363.9	1348.0	1332.0	1306.0	1270.0	1221.0	1176.0	1143.0	1138.0	1102.0
17.5°	1418.9	1410.9	1397.9	1381.9	1353.0	1311.0	1255.0	1199.0	1158.0	1154.0	1111.0
20°	1460.9	1454.9	1440.9	1425.9	1394.9	1349.0	1287.0	1222.0	1172.0	1167.0	1118.0
22.5°	1500.9	1492.9	1484.9	1473.9	1439.9	1388.9	1324.0	1250.0	1190.0	1184.0	1127.0
25°	1546.9	1537.9	1534.9	1528.9	1488.9	1436.9	1368.9	1285.0	1215.0	1208.0	1143.0
27.5°	1603.9	1593.9	1587.9	1587.9	1539.9	1485.9	1416.9	1326.0	1244.0	1238.0	1163.0
30°	1663.9	1651.9	1642.9	1642.9	1588.9	1534.9	1463.9	1366.9	1277.0	1270.0	1189.0
32.5°	1716.9	1704.9	1694.9	1693.9	1637.9	1583.9	1512.9	1411.9	1317.0	1308.0	1221.0
35°	1757.9	1746.9	1737.9	1739.9	1686.9	1633.9	1567.9	1471.9	1366.9	1357.0	1263.0
37.5°	1782.9	1778.9	1773.9	1780.9	1731.9	1681.9	1624.9	1529.9	1423.9	1414.9	1315.0
40°	1795.9	1792.9	1812.9	1821.9	1769.9	1724.9	1681.9	1589.9	1485.9	1475.9	1374.9
42.5°	1814.9	1839.9	1847.9	1845.9	1797.9	1757.9	1733.9	1654.9	1558.9	1549.9	1446.9
45°	1746.9	1740.9	1784.9	1808.9	1799.9	1778.9	1782.9	1732.9	1643.9	1634.9	1529.9
47.5°	1655.9	1647.9	1672.9	1731.9	1766.9	1786.9	1826.9	1813.9	1741.9	1733.9	1626.9
50°	1463.9	1474.9	1567.9	1646.9	1715.9	1784.9	1863.9	1900.9	1849.9	1841.9	1730.9
52.5°	1251.0	1262.0	1359.0	1540.9	1653.9	1769.9	1890.9	1987.9	1966.9	1957.9	1841.9
55°	1096.0	1120.0	1230.0	1362.0	1565.9	1722.9	1906.9	2076.9	2092.9	2084.9	1962.9
57.5°	942.0	960.0	1043.0	1160.0	1445.9	1640.9	1905.9	2159.9	2224.9	2216.9	2085.9
60°	761.0	784.0	850.0	976.0	1286.0	1542.9	1877.9	2224.9	2351.9	2345.9	2204.9
62.5°	637.0	644.0	691.0	800.0	1080.0	1418.9	1814.9	2259.9	2466.9	2462.9	2311.9
65°	513.0	514.0	557.0	648.0	881.0	1265.0	1707.9	2246.9	2553.9	2555.9	2388.9
67.5°	396.0	401.0	440.0	509.0	700.0	1065.0	1554.9	2158.9	2554.9	2559.9	2344.9
70°	274.0	278.0	337.0	404.0	541.0	849.0	1348.0	1925.9	2344.9	2348.9	2101.9
72.5°	193.0	195.0	258.0	323.0	423.0	640.0	1017.0	1592.9	1998.9	2001.9	1767.9
75°	144.0	146.0	182.0	245.0	324.0	443.0	695.0	1220.0	1596.9	1596.9	1395.9
77.5°	102.0	103.0	118.0	169.0	216.0	299.0	418.0	799.0	1172.0	1174.0	1017.0
80°	69.0	70.0	77.0	114.0	135.0	162.0	227.0	419.0	739.0	742.0	646.0
82.5°	36.0	38.0	43.0	58.0	68.0	90.0	117.0	213.0	409.0	417.0	388.0
85°	14.0	14.0	16.0	19.0	25.0	35.0	54.0	81.0	185.0	191.0	171.0
87.5°	5.0	5.0	6.0	6.0	7.0	8.0	9.0	12.0	21.0	21.0	20.0
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°	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0	1088.0
2.5°	1078.0	1078.0	1073.0	1075.0	1074.0	1072.0	1070.0	1073.0	1070.0	1063.0	1062.0
5°	1080.0	1078.0	1070.0	1069.0	1066.0	1062.0	1057.0	1059.0	1054.0	1048.0	1047.0
7.5°	1081.0	1077.0	1066.0	1062.0	1056.0	1048.0	1040.0	1040.0	1033.0	1027.0	1026.0
10°	1079.0	1074.0	1059.0	1051.0	1040.0	1028.0	1017.0	1014.0	1006.0	999.0	999.0
12.5°	1080.0	1073.0	1054.0	1041.0	1026.0	1011.0	997.0	993.0	986.0	979.0	978.0
15°	1086.0	1076.0	1052.0	1035.0	1013.0	996.0	981.0	978.0	972.0	967.0	967.0
17.5°	1092.0	1079.0	1049.0	1025.0	998.0	979.0	965.0	965.0	961.0	958.0	958.0
20°	1095.0	1080.0	1043.0	1011.0	980.0	960.0	947.0	949.0	948.0	947.0	947.0
22.5°	1102.0	1082.0	1038.0	998.0	961.0	940.0	928.0	931.0	930.0	930.0	931.0
25°	1113.0	1087.0	1034.0	986.0	943.0	920.0	907.0	909.0	909.0	909.0	909.0
27.5°	1128.0	1097.0	1033.0	975.0	925.0	899.0	883.0	883.0	879.0	880.0	881.0
30°	1151.0	1116.0	1035.0	965.0	906.0	873.0	854.0	851.0	850.0	852.0	853.0
32.5°	1179.0	1142.0	1047.0	958.0	886.0	844.0	820.0	819.0	816.0	816.0	816.0
35°	1214.0	1167.0	1058.0	957.0	866.0	813.0	787.0	784.0	777.0	774.0	774.0
37.5°	1259.0	1206.0	1071.0	950.0	849.0	783.0	752.0	742.0	734.0	733.0	733.0
40°	1314.0	1250.0	1090.0	942.0	831.0	752.0	711.0	694.0	695.0	699.0	699.0
42.5°	1378.9	1304.0	1114.0	938.0	805.0	720.0	663.0	643.0	650.0	654.0	655.0
45°	1454.9	1367.9	1141.0	933.0	781.0	684.0	612.0	587.0	590.0	591.0	592.0
47.5°	1542.9	1438.9	1169.0	929.0	754.0	639.0	556.0	523.0	522.0	516.0	518.0
50°	1634.9	1513.9	1198.0	922.0	721.0	586.0	497.0	458.0	450.0	441.0	442.0
52.5°	1732.9	1590.9	1225.0	911.0	680.0	532.0	441.0	399.0	383.0	373.0	375.0
55°	1840.9	1669.9	1251.0	894.0	637.0	478.0	391.0	348.0	328.0	320.0	321.0
57.5°	1939.9	1745.9	1270.0	873.0	590.0	429.0	347.0	305.0	292.0	291.0	292.0
60°	2035.9	1809.9	1278.0	844.0	542.0	384.0	306.0	274.0	265.0	270.0	271.0
62.5°	2116.9	1850.9	1274.0	805.0	493.0	341.0	273.0	250.0	244.0	254.0	255.0
65°	2163.9	1863.9	1246.0	749.0	440.0	299.0	242.0	217.0	214.0	220.0	223.0
67.5°	2101.9	1782.9	1170.0	672.0	381.0	260.0	212.0	192.0	187.0	192.0	192.0
70°	1862.9	1544.9	990.0	550.0	316.0	222.0	184.0	170.0	166.0	170.0	169.0
72.5°	1551.9	1285.0	780.0	429.0	249.0	187.0	160.0	147.0	143.0	139.0	137.0
75°	1204.0	976.0	566.0	315.0	188.0	150.0	134.0	122.0	112.0	116.0	114.0
77.5°	882.0	685.0	401.0	218.0	135.0	116.0	105.0	96.0	89.0	97.0	96.0
80°	568.0	443.0	268.0	146.0	93.0	81.0	77.0	72.0	79.0	103.0	105.0
82.5°	347.0	281.0	160.0	95.0	61.0	54.0	50.0	50.0	81.0	89.0	90.0
85°	155.0	149.0	87.0	49.0	34.0	31.0	28.0	36.0	33.0	24.0	25.0
87.5°	25.0	26.0	19.0	17.0	13.0	13.0	10.0	7.0	5.0	3.0	3.0
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)