

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: P1462154

Luminaire Tested: PRV-P-50-8540-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462154
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T2U
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5691.5 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

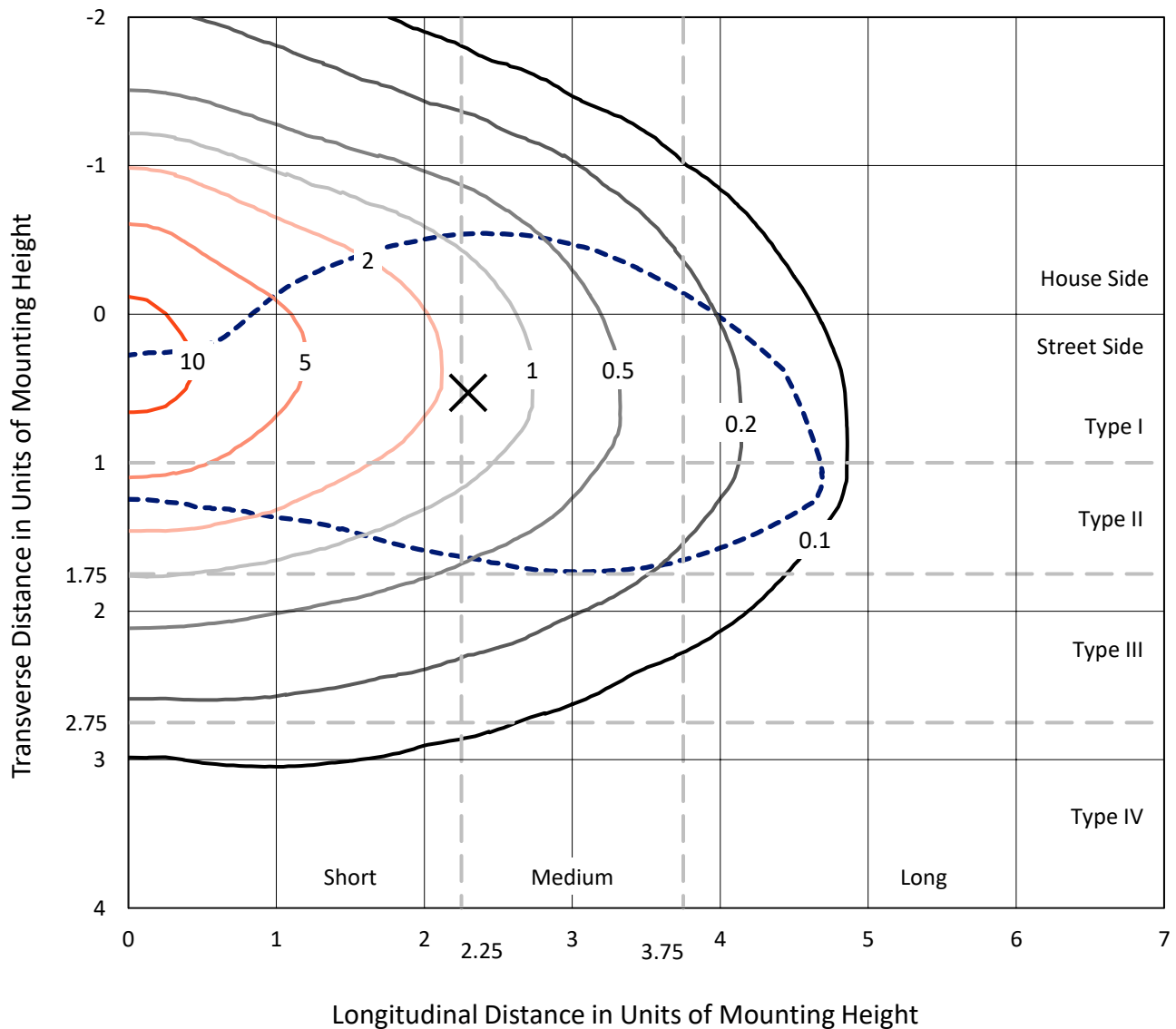
Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

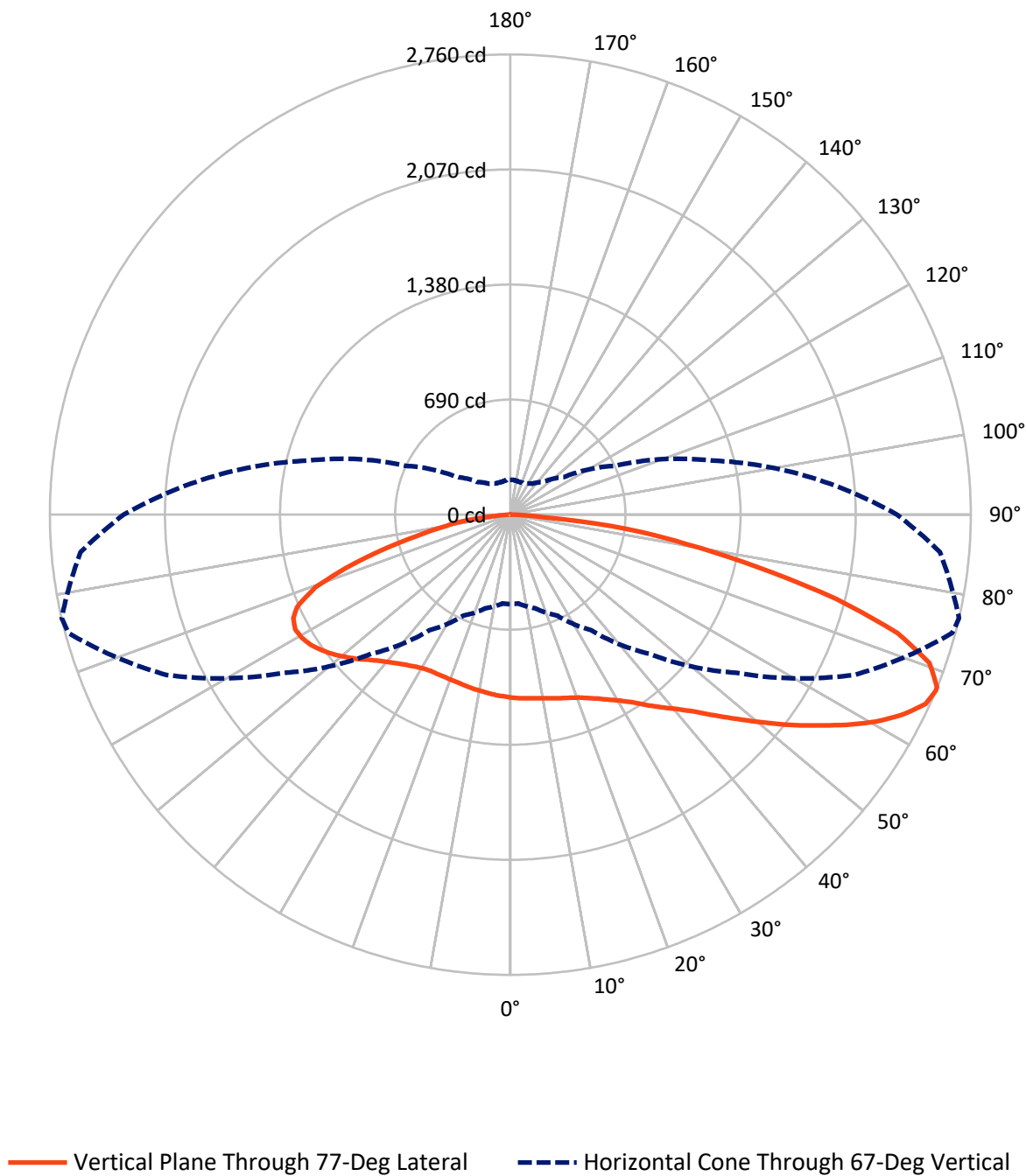


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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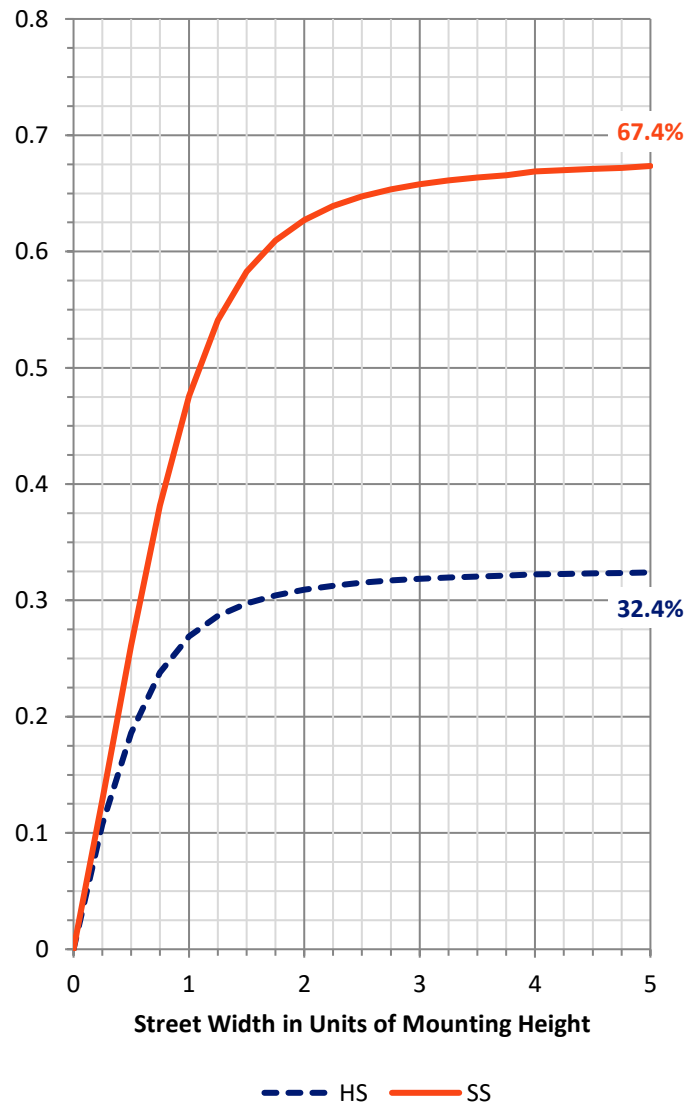
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1854.6	0.0	1854.6
	% Fixture	32.6	0.0	32.6
Street Side	Lumens	3836.9	0.0	3836.9
	% Fixture	67.4	0.0	67.4
Total	Lumens	5691.5	0.0	5691.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	1.9
10°-20°	321.2	5.6
20°-30°	546.6	9.6
30°-40°	784.0	13.8
40°-50°	995.6	17.5
50°-60°	1095.2	19.2
60°-70°	1057.9	18.6
70°-80°	665.4	11.7
80°-90°	120.0	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°	5691.5	100.0
0°-180°	5691.5	100.0

Coefficient of Utilization



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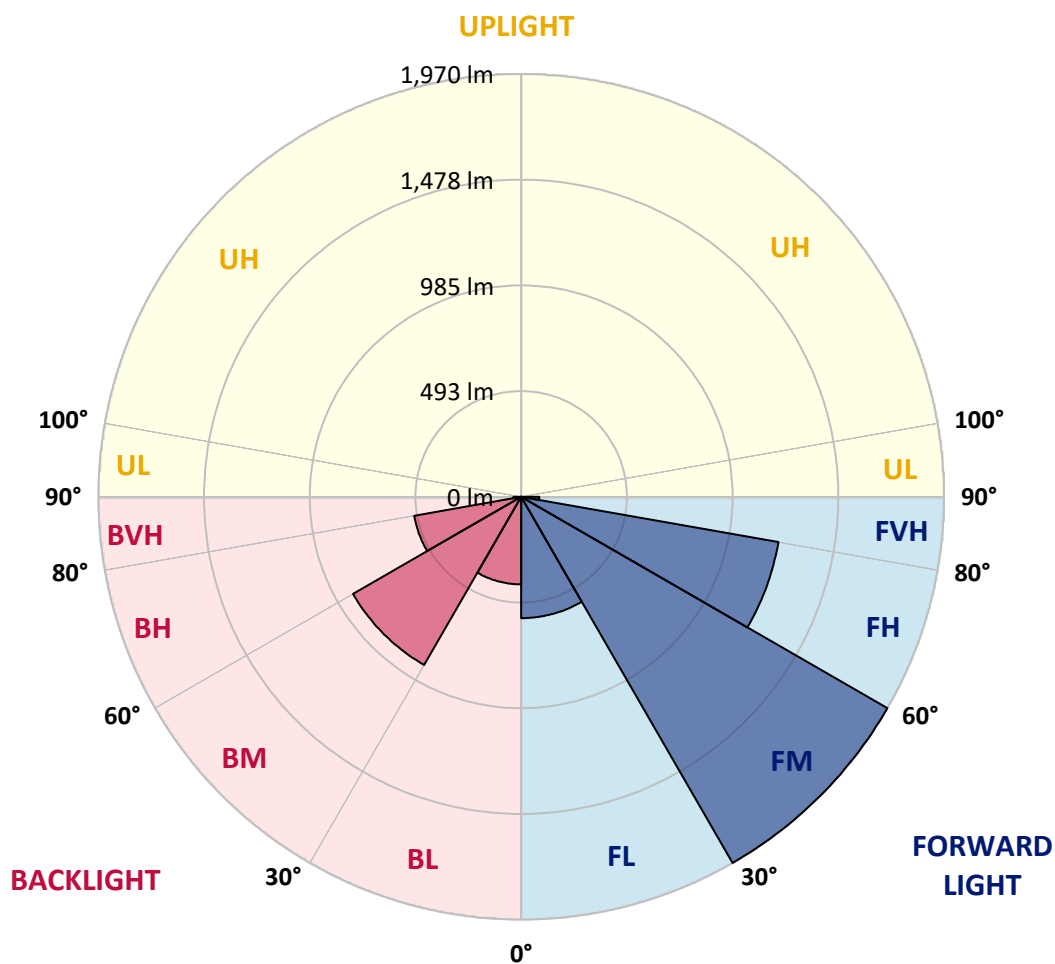
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.2	9.9			
FM	(30°-60°)	1970.2	34.6			
FH	(60°-80°)	1217.4	21.4			G1/1800
FVH	(80°-90°)	84.1	1.5			G1/100
BL	(0°-30°)	408.1	7.2	B1/500		
BM	(30°-60°)	904.6	15.9	B1/1000		
BH	(60°-80°)	505.9	8.9	B2/1000		G2/1000
BVH	(80°-90°)	36.0	0.6			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8
2.5°	1116.3	1120.7	1122.4	1123.3	1123.3	1117.2	1115.4	1105.7	1104.0	1102.2	1093.4
5°	1159.4	1156.7	1161.1	1155.8	1155.0	1141.8	1131.2	1118.0	1105.7	1105.7	1096.1
7.5°	1206.8	1205.1	1208.6	1203.3	1184.8	1170.8	1156.7	1132.1	1116.3	1111.9	1099.6
10°	1267.5	1261.3	1264.8	1245.5	1231.4	1201.5	1177.8	1147.9	1123.3	1119.8	1103.1
12.5°	1316.7	1317.6	1320.2	1301.7	1277.1	1245.5	1210.3	1168.1	1140.0	1129.5	1106.6
15°	1365.0	1374.7	1370.3	1353.6	1328.1	1285.0	1239.3	1190.1	1149.7	1141.8	1114.5
17.5°	1414.3	1412.5	1412.5	1396.7	1365.9	1326.4	1271.9	1212.1	1163.7	1155.0	1122.4
20°	1460.0	1455.6	1456.4	1445.9	1415.1	1372.1	1307.9	1243.7	1186.6	1170.8	1133.0
22.5°	1497.8	1504.8	1510.1	1495.1	1464.4	1415.1	1354.5	1277.1	1205.1	1194.5	1147.0
25°	1543.5	1547.0	1555.8	1548.7	1522.4	1475.8	1403.7	1320.2	1237.6	1222.6	1167.3
27.5°	1592.7	1593.6	1605.9	1605.0	1568.1	1525.0	1452.9	1362.4	1273.6	1256.0	1189.2
30°	1656.0	1653.3	1665.6	1660.4	1620.8	1574.2	1501.3	1408.1	1309.7	1293.8	1220.9
32.5°	1707.8	1713.1	1715.7	1718.4	1678.8	1629.6	1555.8	1464.4	1359.8	1341.3	1262.2
35°	1757.9	1757.9	1767.6	1766.7	1732.4	1691.1	1619.1	1524.1	1422.2	1401.1	1318.4
37.5°	1793.1	1800.1	1808.0	1810.7	1775.5	1736.8	1680.6	1591.8	1489.0	1465.2	1377.3
40°	1799.2	1810.7	1842.3	1850.2	1815.9	1782.5	1741.2	1663.9	1554.9	1532.9	1444.1
42.5°	1813.3	1831.8	1855.5	1873.1	1843.2	1813.3	1795.7	1732.4	1634.0	1612.9	1525.9
45°	1749.1	1750.9	1792.2	1837.9	1838.8	1830.9	1847.6	1816.8	1732.4	1717.5	1623.4
47.5°	1673.5	1659.5	1692.9	1764.1	1808.0	1841.4	1894.2	1900.3	1843.2	1830.9	1732.4
50°	1479.3	1490.7	1580.4	1670.0	1749.1	1830.9	1934.6	2001.4	1975.0	1957.5	1850.2
52.5°	1270.1	1275.4	1375.6	1564.6	1675.3	1815.1	1960.1	2100.7	2099.0	2095.4	1976.8
55°	1134.7	1136.5	1243.7	1396.7	1583.9	1755.3	1974.2	2195.7	2242.2	2230.8	2113.0
57.5°	992.3	1000.3	1084.6	1199.8	1465.2	1673.5	1967.1	2270.4	2385.5	2377.6	2243.1
60°	853.5	873.7	920.3	1038.9	1312.3	1568.1	1927.6	2334.5	2522.6	2519.1	2382.0
62.5°	726.9	737.5	782.3	899.2	1127.7	1450.3	1860.8	2360.9	2636.9	2640.4	2485.7
65°	625.8	628.5	668.9	768.2	964.2	1310.5	1755.3	2336.3	2723.0	2736.2	2566.6
67°	537.0	534.4	581.9	668.9	846.4	1180.4	1652.5	2273.9	2741.5	2759.9	2585.0
67.5°	503.6	508.9	563.4	645.2	823.6	1147.0	1618.2	2251.0	2737.1	2758.2	2574.5
70°	363.9	368.3	449.2	540.6	687.3	973.9	1435.3	2092.8	2644.8	2665.0	2445.3
72.5°	276.0	278.6	355.1	445.6	571.3	803.4	1220.9	1880.1	2394.3	2425.9	2188.6
75°	220.6	218.0	274.2	361.3	459.7	646.9	959.8	1510.9	1969.8	2016.3	1777.3
77.5°	170.5	168.8	195.1	283.0	367.4	492.2	704.9	1146.2	1521.5	1511.8	1346.6
80°	107.2	109.9	116.9	186.3	261.1	341.9	472.0	735.7	1046.0	1072.3	953.7
82.5°	55.4	60.6	65.0	101.1	138.9	189.9	298.8	464.1	692.6	707.6	641.6
85°	11.4	10.5	14.9	25.5	39.6	62.4	89.7	149.4	201.3	222.4	196.9
87.5°	0.9	0.9	1.8	1.8	1.8	2.6	5.3	5.3	4.4	4.4	4.4
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°	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8
2.5°	1096.9	1092.6	1089.9	1085.5	1084.6	1086.4	1081.1	1079.4	1074.1	1070.6	1071.5
5°	1096.9	1091.7	1083.8	1072.3	1069.7	1068.8	1062.7	1054.8	1048.6	1046.8	1042.5
7.5°	1094.3	1089.0	1075.9	1063.5	1052.1	1046.0	1040.7	1033.7	1021.4	1013.4	1014.3
10°	1094.3	1085.5	1067.9	1051.2	1036.3	1023.1	1013.4	1004.7	995.9	985.3	987.1
12.5°	1096.9	1086.4	1062.7	1038.9	1018.7	1003.8	990.6	980.0	973.0	960.7	960.7
15°	1100.5	1084.6	1054.8	1026.6	1002.9	983.6	966.0	956.3	948.4	942.2	941.4
17.5°	1103.1	1085.5	1047.7	1011.7	980.9	958.1	943.1	936.1	931.7	927.3	925.5
20°	1109.3	1089.0	1043.3	999.4	963.3	936.1	923.8	919.4	920.3	915.0	914.1
22.5°	1123.3	1093.4	1038.9	986.2	940.5	917.6	905.3	899.2	900.9	897.4	897.4
25°	1133.9	1104.0	1038.1	974.8	925.5	896.5	883.4	879.0	879.0	875.4	872.8
27.5°	1150.6	1116.3	1035.4	964.2	906.2	875.4	858.7	853.5	849.1	848.2	847.3
30°	1180.4	1136.5	1040.7	948.4	886.0	849.1	828.0	821.0	819.2	819.2	817.4
32.5°	1212.1	1166.4	1051.2	943.1	866.7	818.3	796.3	787.6	788.4	784.0	784.0
35°	1263.1	1202.4	1067.1	944.0	847.3	786.7	762.9	756.8	750.6	746.2	746.2
37.5°	1312.3	1247.2	1085.5	940.5	831.5	761.2	730.4	712.0	707.6	703.2	702.3
40°	1372.9	1295.6	1108.4	931.7	810.4	728.7	687.3	661.9	661.9	660.1	658.3
42.5°	1446.8	1357.1	1133.0	930.8	787.6	696.1	636.4	610.0	605.6	604.7	609.1
45°	1532.9	1434.5	1166.4	929.9	767.3	659.2	586.3	548.5	545.8	537.0	538.8
47.5°	1632.2	1517.1	1204.2	926.4	741.8	615.3	529.1	487.8	474.6	469.4	465.9
50°	1740.3	1604.1	1237.6	922.0	708.4	562.5	471.1	426.3	409.6	400.8	396.4
52.5°	1860.8	1690.2	1271.9	913.2	668.0	511.6	418.4	373.6	354.2	346.3	343.7
55°	1975.0	1778.1	1299.1	900.9	627.6	457.9	369.2	328.7	312.9	309.4	308.5
57.5°	2083.1	1859.0	1322.8	880.7	581.9	413.1	331.4	297.1	284.8	288.3	287.4
60°	2181.6	1929.3	1333.4	850.0	535.3	369.2	300.6	272.5	265.4	272.5	271.6
62.5°	2276.5	1981.2	1330.8	811.3	486.9	334.9	272.5	250.5	248.7	263.7	264.6
65°	2318.7	1991.7	1303.5	754.2	436.0	299.7	246.1	222.4	222.4	232.0	233.8
67°	2316.9	1961.8	1251.6	692.6	392.9	276.0	226.8	205.7	203.0	209.2	208.3
67.5°	2301.1	1944.3	1230.5	675.9	383.2	269.8	221.5	201.3	199.5	204.8	203.0
70°	2158.7	1804.5	1108.4	579.2	333.1	240.0	196.9	180.2	174.0	177.6	175.8
72.5°	1888.9	1558.4	909.7	471.1	288.3	207.4	172.3	153.8	146.8	141.5	138.0
75°	1501.3	1226.2	697.0	373.6	235.6	174.9	144.2	122.2	106.4	108.1	106.4
77.5°	1127.7	900.9	501.9	285.7	181.9	139.8	109.0	87.9	76.5	82.6	80.0
80°	804.3	632.0	361.3	208.3	129.2	93.2	75.6	58.9	62.4	62.4	34.3
82.5°	558.1	443.9	257.5	137.1	76.5	54.5	40.4	36.9	47.5	19.3	0.9
85°	170.5	144.2	100.2	49.2	24.6	14.9	8.8	14.9	5.3	0.9	0.0
87.5°	4.4	4.4	3.5	3.5	1.8	0.9	0.9	0.9	0.9	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)