

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: P1462415

Luminaire Tested: PRV-P-70-8540-U-5MQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462415
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-5MQ
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE V
SQUARE MEDIUM DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8899.3 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

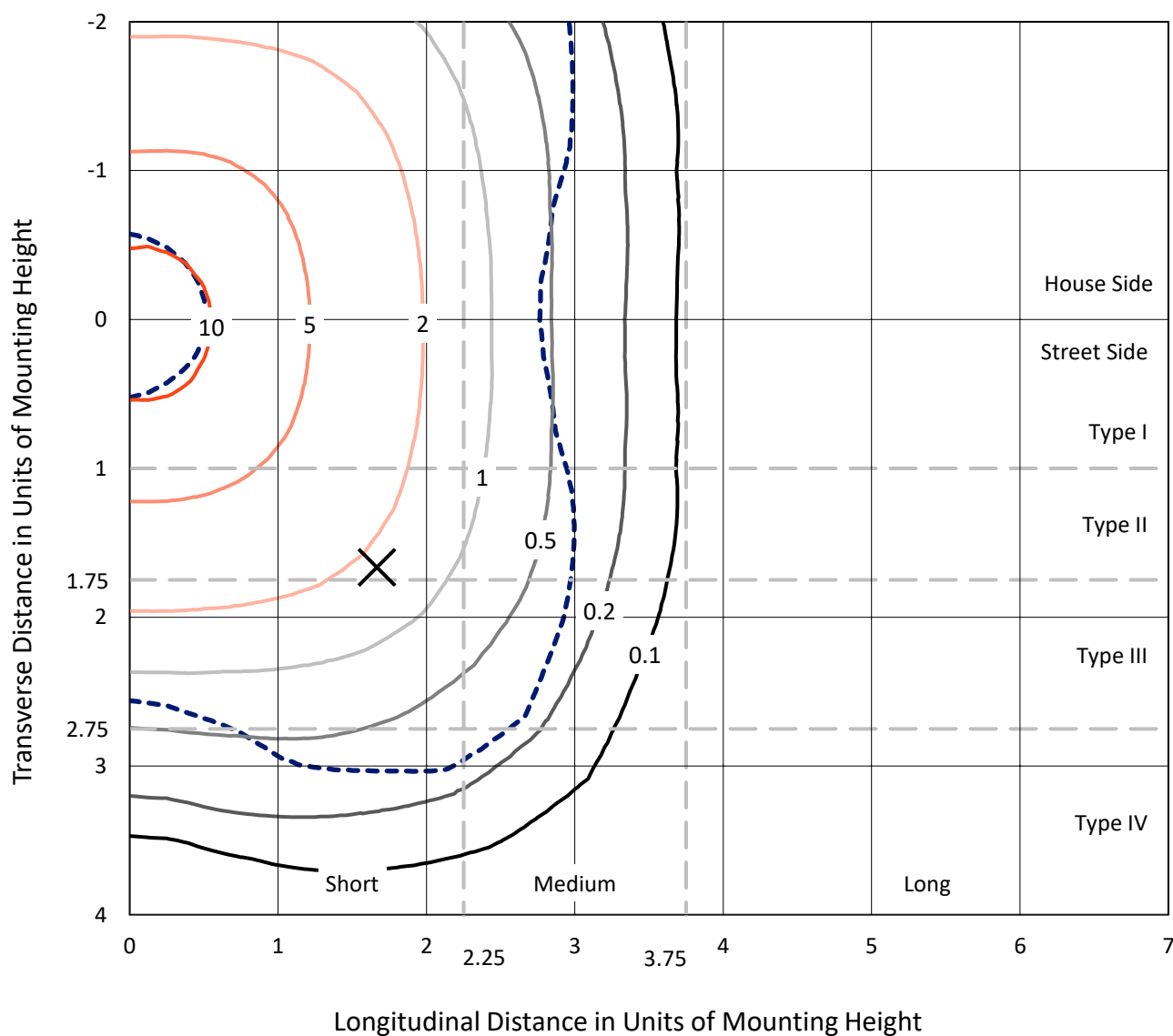
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1462415

CATALOG NUMBER: PRV-P-70-8540-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

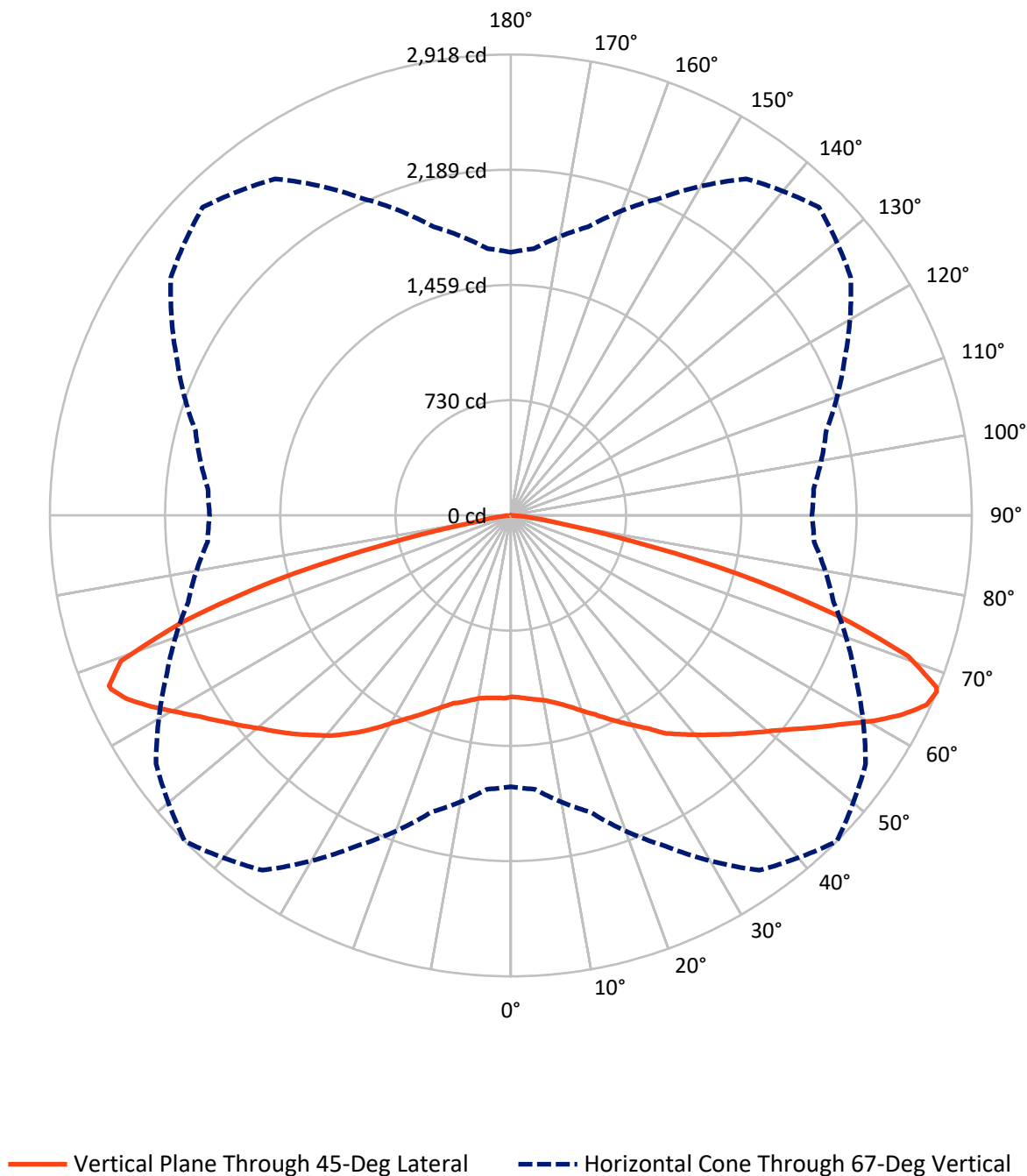


Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
Type V - Short - N/A

REPORT NUMBER: P1462415

CATALOG NUMBER: PRV-P-70-8540-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P1462415

CATALOG NUMBER: PRV-P-70-8540-U-5MQ

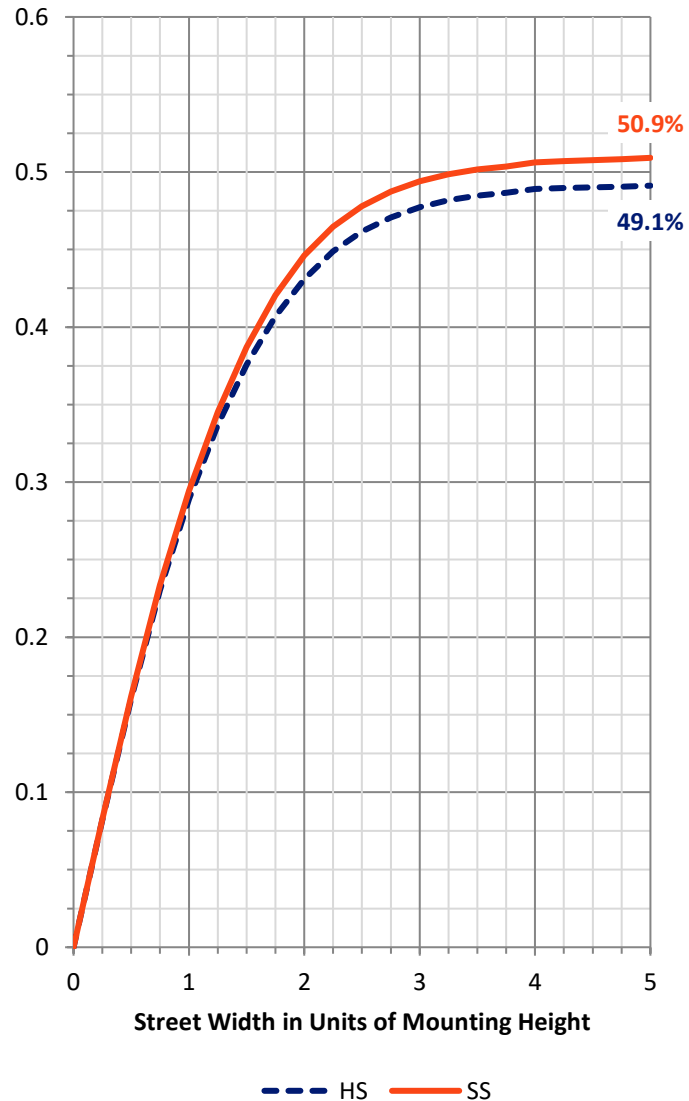
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4366.2	0.0	4366.2
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	4533.1	0.0	4533.1
	% Fixture	50.9	0.0	50.9
Total	Lumens	8899.3	0.0	8899.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	1.2
10°-20°	351.9	4.0
20°-30°	652.2	7.3
30°-40°	1031.1	11.6
40°-50°	1444.2	16.2
50°-60°	1956.5	22.0
60°-70°	2272.7	25.5
70°-80°	1020.2	11.5
80°-90°	59.3	0.7
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°	8899.3	100.0
0°-180°	8899.3	100.0

Coefficient of Utilization



REPORT NUMBER: P1462415

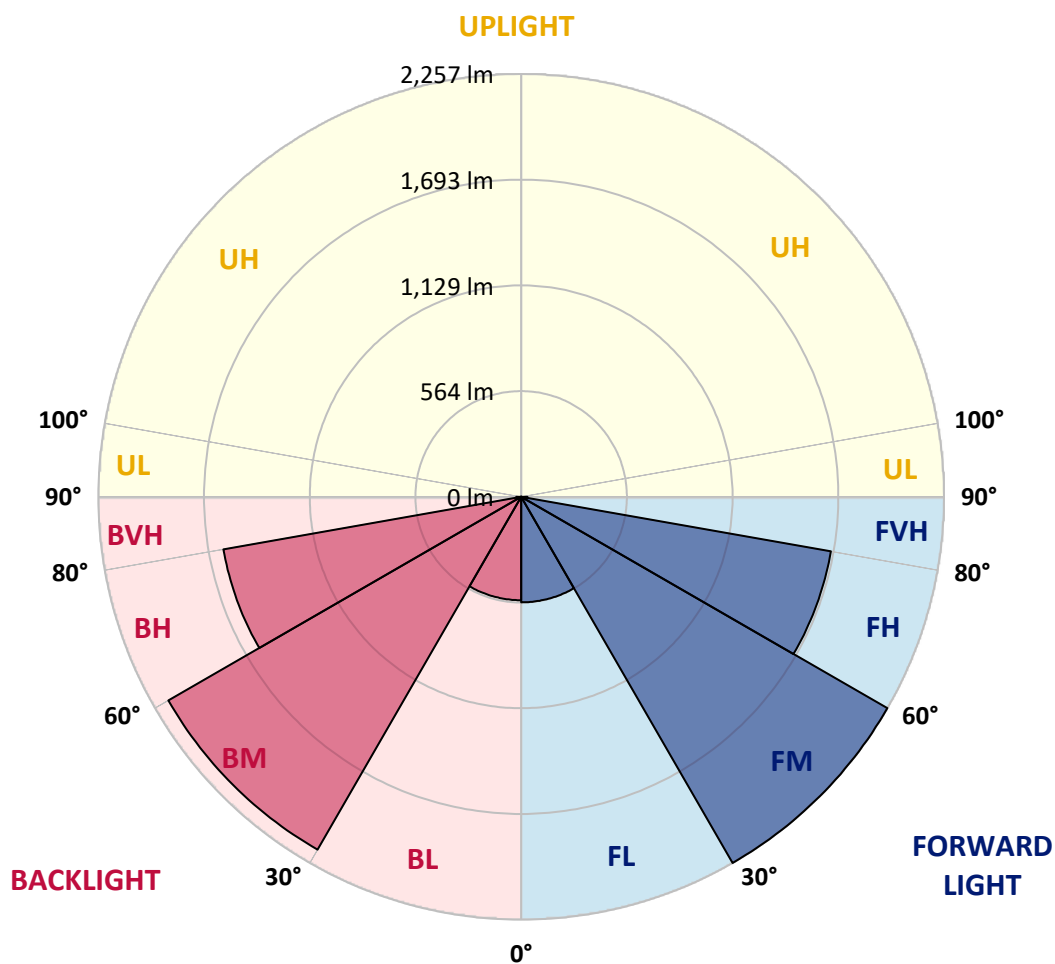
CATALOG NUMBER: PRV-P-70-8540-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	563.4	6.3			
FM	(30°-60°)	2257.0	25.4			
FH	(60°-80°)	1678.8	18.9			G1/1800
FVH	(80°-90°)	33.8	0.4			G1/100
BL	(0°-30°)	551.9	6.2	B2/1000		
BM	(30°-60°)	2174.7	24.4	B2/2500		
BH	(60°-80°)	1614.1	18.1	B3/2500		G1/1800
BVH	(80°-90°)	25.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P1462415

CATALOG NUMBER: PRV-P-70-8540-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9
2.5°	1148.9	1148.9	1153.1	1154.5	1151.7	1154.5	1154.5	1150.3	1151.7	1151.7	1151.7
5°	1155.9	1157.3	1160.0	1164.2	1162.8	1165.6	1161.4	1157.3	1158.6	1157.3	1155.9
7.5°	1164.2	1164.2	1171.2	1176.8	1176.8	1176.8	1169.8	1168.4	1169.8	1167.0	1165.6
10°	1183.8	1185.2	1192.2	1192.2	1192.2	1190.8	1188.0	1183.8	1185.2	1185.2	1182.4
12.5°	1209.0	1209.0	1217.3	1217.3	1218.7	1214.6	1213.2	1210.4	1210.4	1209.0	1209.0
15°	1238.3	1241.1	1249.5	1248.1	1248.1	1243.9	1243.9	1241.1	1241.1	1236.9	1236.9
17.5°	1273.3	1274.7	1281.6	1281.6	1283.0	1280.2	1278.8	1273.3	1276.0	1271.9	1271.9
20°	1313.8	1318.0	1323.6	1323.6	1325.0	1325.0	1319.4	1312.4	1315.2	1315.2	1311.0
22.5°	1357.1	1361.3	1371.1	1372.5	1372.5	1369.7	1364.1	1354.3	1357.1	1359.9	1357.1
25°	1404.6	1406.0	1418.6	1424.2	1429.8	1425.6	1415.8	1407.4	1408.8	1410.2	1410.2
27.5°	1450.8	1454.9	1468.9	1480.1	1481.5	1482.9	1474.5	1466.1	1468.9	1470.3	1467.5
30°	1502.5	1509.5	1524.8	1537.4	1541.6	1543.0	1536.0	1529.0	1526.2	1524.8	1524.8
32.5°	1562.6	1564.0	1580.7	1597.5	1612.9	1611.5	1603.1	1593.3	1586.3	1583.5	1583.5
35°	1610.1	1615.7	1638.0	1661.8	1685.6	1695.3	1681.4	1654.8	1642.2	1635.2	1633.8
37.5°	1649.2	1656.2	1684.2	1716.3	1745.7	1758.2	1744.3	1712.1	1691.2	1681.4	1678.6
40°	1693.9	1699.5	1728.9	1770.8	1810.0	1826.7	1804.4	1763.8	1737.3	1724.7	1721.9
42.5°	1731.7	1737.3	1773.6	1826.7	1875.6	1896.6	1870.0	1822.5	1784.8	1763.8	1763.8
45°	1777.8	1780.6	1823.9	1889.6	1953.9	1974.9	1942.7	1882.6	1840.7	1814.1	1811.3
47.5°	1850.5	1853.3	1902.2	1960.9	2033.6	2055.9	2026.6	1951.1	1899.4	1871.4	1870.0
50°	1944.1	1951.1	2004.2	2065.7	2127.2	2144.0	2121.6	2043.4	1974.9	1937.1	1932.9
52.5°	2037.8	2048.9	2109.0	2180.3	2233.4	2246.0	2225.1	2137.0	2055.9	2005.6	2001.4
55°	2135.6	2146.8	2211.1	2304.7	2356.4	2366.2	2328.5	2233.4	2141.2	2079.7	2071.3
57.5°	2192.9	2204.1	2294.9	2417.9	2485.0	2490.6	2447.3	2328.5	2227.8	2148.2	2137.0
60°	2191.5	2205.5	2328.5	2500.4	2622.0	2640.2	2566.1	2430.5	2299.1	2202.7	2183.1
62.5°	2159.4	2178.9	2304.7	2539.5	2752.0	2778.5	2689.1	2507.4	2332.7	2216.7	2198.5
65°	1990.2	2011.2	2177.5	2480.8	2802.3	2893.1	2774.3	2503.2	2264.2	2106.3	2093.7
67°	1717.7	1740.1	1944.1	2308.9	2742.2	2918.3	2742.2	2405.3	2114.6	1927.4	1906.4
67.5°	1649.2	1675.8	1886.8	2261.4	2710.0	2905.7	2718.4	2353.6	2067.1	1879.8	1863.1
70°	1235.5	1291.4	1551.4	1962.3	2429.1	2668.1	2464.0	2079.7	1727.5	1520.6	1475.9
72.5°	786.9	838.6	1246.7	1673.0	2012.6	2153.8	2035.0	1643.6	1243.9	1021.7	999.3
75°	225.0	267.0	638.7	1018.9	1431.2	1495.5	1229.9	942.0	651.3	521.3	511.5
77.5°	116.0	117.4	195.7	420.7	691.8	778.5	493.4	349.4	275.3	243.2	248.8
80°	55.9	57.3	83.9	211.0	296.3	334.0	239.0	187.3	191.5	174.7	164.9
82.5°	29.4	30.7	43.3	92.2	135.6	171.9	171.9	131.4	128.6	121.6	109.0
85°	8.4	7.0	12.6	19.6	37.7	64.3	46.1	47.5	44.7	37.7	36.3
87.5°	1.4	1.4	1.4	1.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1462415

CATALOG NUMBER: PRV-P-70-8540-U-5MQ

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9
2.5°	1151.7	1151.7	1151.7	1153.1	1157.3	1148.9	1154.5	1150.3	1146.1	1147.5
5°	1158.6	1154.5	1153.1	1157.3	1158.6	1154.5	1158.6	1153.1	1153.1	1147.5
7.5°	1164.2	1164.2	1158.6	1164.2	1164.2	1161.4	1160.0	1158.6	1158.6	1146.1
10°	1182.4	1178.2	1171.2	1171.2	1172.6	1172.6	1171.2	1168.4	1164.2	1158.6
12.5°	1207.6	1202.0	1193.6	1193.6	1193.6	1197.8	1193.6	1189.4	1182.4	1181.0
15°	1239.7	1229.9	1221.5	1220.1	1220.1	1218.7	1218.7	1213.2	1206.2	1203.4
17.5°	1271.9	1259.3	1248.1	1250.9	1243.9	1243.9	1238.3	1242.5	1234.1	1235.5
20°	1308.2	1298.4	1288.6	1290.0	1284.4	1287.2	1278.8	1277.4	1269.1	1269.1
22.5°	1352.9	1344.5	1333.4	1336.1	1332.0	1332.0	1322.2	1315.2	1306.8	1301.2
25°	1407.4	1394.8	1386.5	1386.5	1386.5	1379.5	1372.5	1365.5	1355.7	1351.5
27.5°	1467.5	1456.3	1449.4	1448.0	1442.4	1432.6	1424.2	1424.2	1408.8	1401.8
30°	1524.8	1519.2	1515.0	1509.5	1505.3	1503.9	1488.5	1474.5	1464.7	1457.7
32.5°	1577.9	1576.5	1577.9	1579.3	1582.1	1569.6	1552.8	1537.4	1515.0	1519.2
35°	1635.2	1632.4	1638.0	1653.4	1659.0	1646.4	1621.3	1589.1	1569.6	1564.0
37.5°	1680.0	1682.8	1700.9	1723.3	1733.1	1713.5	1671.6	1629.7	1601.7	1597.5
40°	1723.3	1733.1	1755.4	1789.0	1807.2	1777.8	1720.5	1668.8	1628.3	1624.1
42.5°	1769.4	1777.8	1807.2	1853.3	1870.0	1837.9	1769.4	1700.9	1650.6	1639.4
45°	1812.7	1823.9	1864.5	1923.2	1941.3	1902.2	1814.1	1726.1	1667.4	1657.6
47.5°	1867.3	1885.4	1931.5	1995.8	2009.8	1967.9	1868.7	1768.0	1699.5	1689.8
50°	1932.9	1949.7	2007.0	2072.7	2078.3	2035.0	1942.7	1837.9	1759.6	1744.3
52.5°	2000.0	2028.0	2093.7	2152.4	2160.8	2114.6	2023.8	1917.6	1826.7	1818.3
55°	2069.9	2097.9	2174.7	2236.2	2246.0	2211.1	2127.2	2011.2	1910.6	1892.4
57.5°	2137.0	2165.0	2246.0	2327.1	2341.1	2322.9	2223.7	2086.7	1981.9	1967.9
60°	2178.9	2219.5	2315.9	2416.5	2451.5	2427.7	2294.9	2130.0	2014.0	1994.4
62.5°	2201.3	2257.2	2380.2	2514.4	2577.3	2531.1	2325.7	2127.2	1990.2	1972.1
65°	2102.1	2220.9	2413.7	2612.2	2696.1	2605.2	2314.5	2062.9	1919.0	1888.2
67°	1924.6	2067.1	2331.3	2627.6	2759.0	2601.0	2212.5	1891.0	1695.3	1666.0
67.5°	1878.4	2023.8	2299.1	2612.2	2763.1	2592.6	2167.7	1835.1	1625.5	1603.1
70°	1491.3	1682.8	2026.6	2401.2	2636.0	2403.9	1893.8	1499.7	1239.7	1174.0
72.5°	1051.0	1239.7	1614.3	1997.2	2184.5	2032.2	1612.9	1204.8	800.9	740.8
75°	531.1	659.7	957.4	1316.6	1569.6	1494.1	1013.3	545.1	170.5	134.2
77.5°	234.8	253.0	370.4	563.3	816.2	635.9	331.2	121.6	54.5	48.9
80°	163.5	181.7	180.3	205.5	222.2	194.3	131.4	51.7	18.2	7.0
82.5°	114.6	128.6	120.2	114.6	110.4	89.4	58.7	21.0	4.2	0.0
85°	37.7	47.5	40.5	44.7	46.1	23.8	5.6	1.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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

(END OF REPORT)