

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: P1462155

Luminaire Tested: PRV-P-70-8540-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462155
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T2U
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9050 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

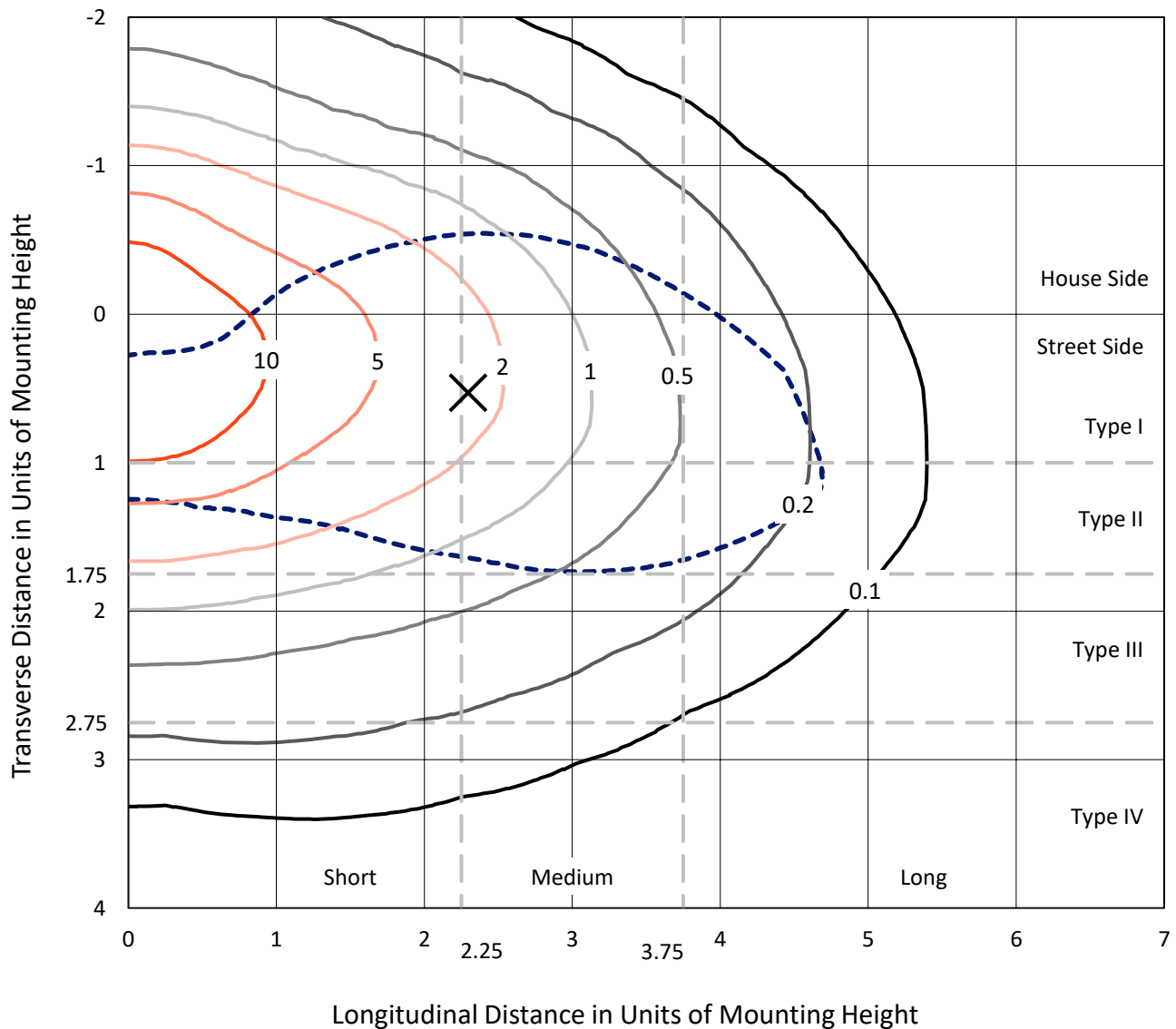
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1462155

CATALOG NUMBER: PRV-P-70-8540-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

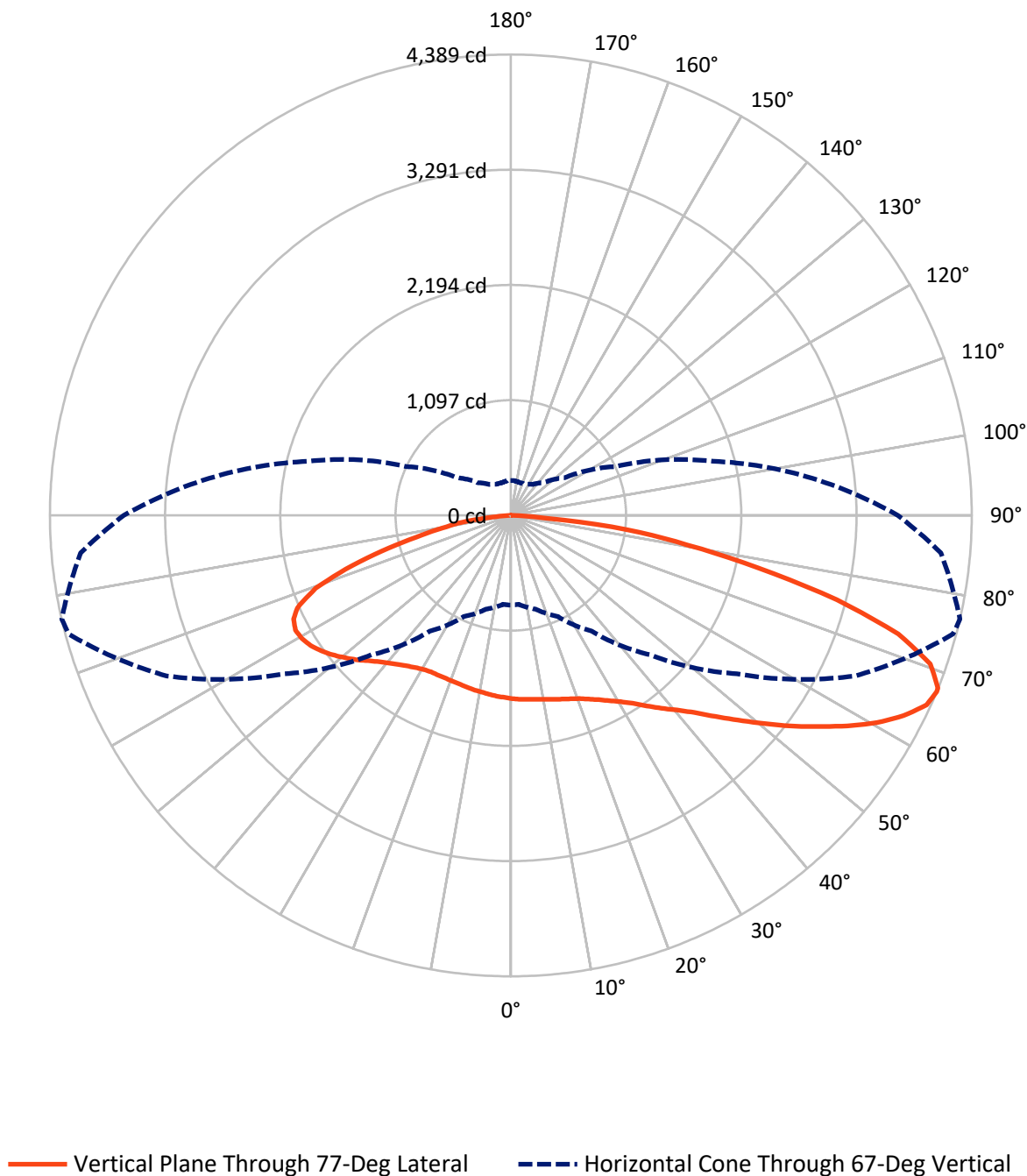


Based on 10 foot mounting height. Maximum calculated value = 19.5 fc
Type II - Medium - N/A

REPORT NUMBER: P1462155

CATALOG NUMBER: PRV-P-70-8540-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P1462155

CATALOG NUMBER: PRV-P-70-8540-U-T2U

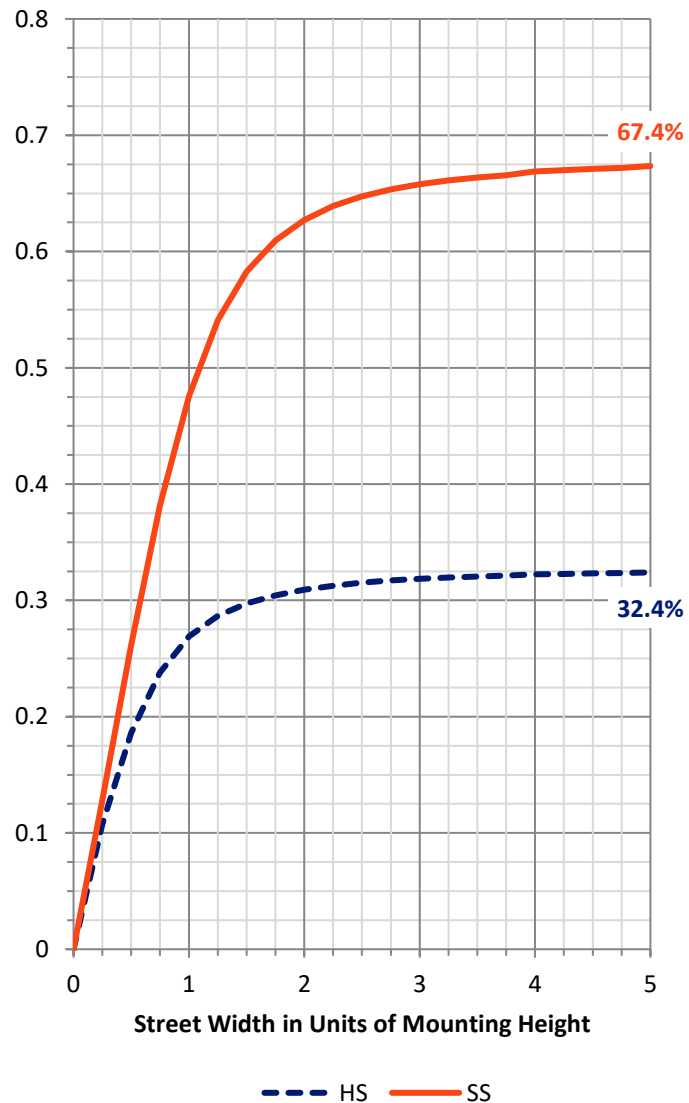
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2949.0	0.0	2949.0
	% Fixture	32.6	0.0	32.6
Street Side	Lumens	6101.0	0.0	6101.0
	% Fixture	67.4	0.0	67.4
Total	Lumens	9050.0	0.0	9050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	1.9
10°-20°	510.7	5.6
20°-30°	869.2	9.6
30°-40°	1246.7	13.8
40°-50°	1583.0	17.5
50°-60°	1741.5	19.2
60°-70°	1682.2	18.6
70°-80°	1058.1	11.7
80°-90°	190.8	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°	9050.0	100.0
0°-180°	9050.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1462155

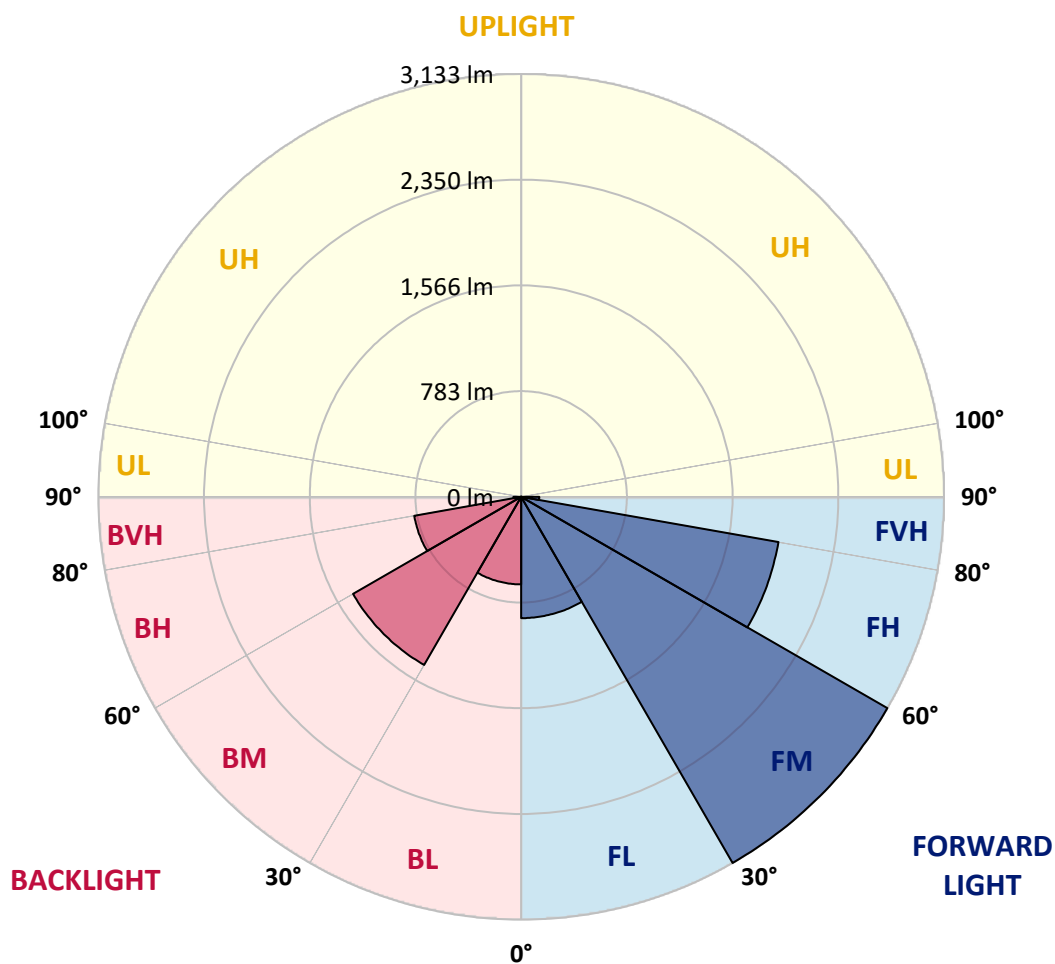
CATALOG NUMBER: PRV-P-70-8540-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	898.7	9.9			
FM	(30°-60°)	3132.8	34.6			
FH	(60°-80°)	1935.8	21.4			G2/5000
FVH	(80°-90°)	133.7	1.5			G2/225
BL	(0°-30°)	649.0	7.2	B2/1000		
BM	(30°-60°)	1438.4	15.9	B2/2500		
BH	(60°-80°)	804.5	8.9	B2/1000		G2/1000
BVH	(80°-90°)	57.2	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



REPORT NUMBER: P1462155

CATALOG NUMBER: PRV-P-70-8540-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7
2.5°	1775.0	1782.0	1784.8	1786.2	1786.2	1776.4	1773.6	1758.2	1755.4	1752.6	1738.7
5°	1843.5	1839.3	1846.3	1837.9	1836.5	1815.5	1798.8	1777.8	1758.2	1758.2	1742.9
7.5°	1919.0	1916.2	1921.8	1913.4	1884.0	1861.7	1839.3	1800.2	1775.0	1768.0	1748.4
10°	2015.4	2005.6	2011.2	1980.5	1958.1	1910.6	1872.8	1825.3	1786.2	1780.6	1754.0
12.5°	2093.7	2095.1	2099.3	2069.9	2030.8	1980.5	1924.5	1857.5	1812.7	1796.0	1759.6
15°	2170.5	2185.9	2178.9	2152.4	2111.8	2043.3	1970.7	1892.4	1828.1	1815.5	1772.2
17.5°	2248.8	2246.0	2246.0	2220.8	2171.9	2109.0	2022.4	1927.3	1850.5	1836.5	1784.8
20°	2321.5	2314.5	2315.9	2299.1	2250.2	2181.7	2079.7	1977.7	1886.8	1861.7	1801.6
22.5°	2381.6	2392.8	2401.1	2377.4	2328.5	2250.2	2153.8	2030.8	1916.2	1899.4	1823.9
25°	2454.3	2459.8	2473.8	2462.6	2420.7	2346.6	2232.0	2099.3	1967.9	1944.1	1856.1
27.5°	2532.5	2533.9	2553.5	2552.1	2493.4	2424.9	2310.3	2166.3	2025.2	1997.2	1891.0
30°	2633.2	2629.0	2648.5	2640.1	2577.2	2503.2	2387.2	2239.0	2082.5	2057.3	1941.3
32.5°	2715.6	2724.0	2728.2	2732.4	2669.5	2591.2	2473.8	2328.5	2162.1	2132.8	2007.0
35°	2795.3	2795.3	2810.7	2809.3	2754.7	2689.1	2574.5	2423.5	2261.4	2227.8	2096.5
37.5°	2851.2	2862.4	2874.9	2879.1	2823.2	2761.7	2672.3	2531.1	2367.6	2329.9	2190.1
40°	2861.0	2879.1	2929.5	2942.0	2887.5	2834.4	2768.7	2645.7	2472.4	2437.5	2296.3
42.5°	2883.3	2912.7	2950.4	2978.4	2930.8	2883.3	2855.4	2754.7	2598.2	2564.7	2426.3
45°	2781.3	2784.1	2849.8	2922.5	2923.9	2911.3	2937.8	2888.9	2754.7	2731.0	2581.4
47.5°	2661.1	2638.7	2691.9	2805.1	2874.9	2928.1	3011.9	3021.7	2930.8	2911.3	2754.7
50°	2352.2	2370.4	2513.0	2655.5	2781.3	2911.3	3076.2	3182.4	3140.5	3112.5	2942.0
52.5°	2019.6	2028.0	2187.3	2487.8	2663.9	2886.1	3116.7	3340.4	3337.6	3332.0	3143.3
55°	1804.4	1807.1	1977.7	2220.8	2518.5	2791.1	3139.1	3491.3	3565.4	3547.2	3359.9
57.5°	1577.9	1590.5	1724.7	1907.8	2329.9	2661.1	3127.9	3610.1	3793.2	3780.6	3566.8
60°	1357.1	1389.3	1463.3	1652.0	2086.7	2493.4	3065.0	3712.1	4011.2	4005.6	3787.6
62.5°	1155.8	1172.6	1243.9	1429.8	1793.2	2306.1	2958.8	3754.1	4192.9	4198.5	3952.5
65°	995.1	999.3	1063.6	1221.5	1533.2	2083.9	2791.1	3714.9	4329.9	4350.8	4081.1
67°	854.0	849.8	925.2	1063.6	1345.9	1877.0	2627.6	3615.7	4359.2	4388.6	4110.5
67.5°	800.8	809.2	895.9	1025.9	1309.6	1823.9	2573.1	3579.4	4352.2	4385.8	4093.7
70°	578.6	585.6	714.2	859.5	1093.0	1548.6	2282.3	3327.8	4205.5	4237.6	3888.2
72.5°	438.9	443.1	564.6	708.6	908.5	1277.4	1941.3	2989.5	3807.2	3857.5	3480.1
75°	350.8	346.6	436.1	574.4	731.0	1028.7	1526.2	2402.5	3132.1	3206.2	2826.0
77.5°	271.1	268.3	310.3	450.0	584.2	782.7	1120.9	1822.5	2419.3	2403.9	2141.2
80°	170.5	174.7	185.9	296.3	415.1	543.7	750.5	1169.8	1663.2	1705.1	1516.4
82.5°	88.1	96.4	103.4	160.7	220.8	301.9	475.2	738.0	1101.3	1125.1	1020.3
85°	18.2	16.8	23.8	40.5	62.9	99.2	142.6	237.6	320.1	353.6	313.1
87.5°	1.4	1.4	2.8	2.8	2.8	4.2	8.4	8.4	7.0	7.0	7.0
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: P1462155

CATALOG NUMBER: PRV-P-70-8540-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7	1745.7
2.5°	1744.3	1737.3	1733.1	1726.1	1724.7	1727.5	1719.1	1716.3	1707.9	1702.3	1703.7
5°	1744.3	1735.9	1723.3	1705.1	1700.9	1699.5	1689.7	1677.2	1667.4	1664.6	1657.6
7.5°	1740.1	1731.7	1710.7	1691.1	1673.0	1663.2	1654.8	1643.6	1624.1	1611.5	1612.9
10°	1740.1	1726.1	1698.1	1671.6	1647.8	1626.9	1611.5	1597.5	1583.5	1566.8	1569.5
12.5°	1744.3	1727.5	1689.7	1652.0	1619.9	1596.1	1575.1	1558.4	1547.2	1527.6	1527.6
15°	1749.8	1724.7	1677.2	1632.4	1594.7	1564.0	1536.0	1520.6	1508.1	1498.3	1496.9
17.5°	1754.0	1726.1	1666.0	1608.7	1559.8	1523.4	1499.7	1488.5	1481.5	1474.5	1471.7
20°	1763.8	1731.7	1659.0	1589.1	1531.8	1488.5	1468.9	1461.9	1463.3	1454.9	1453.5
22.5°	1786.2	1738.7	1652.0	1568.2	1495.5	1459.1	1439.6	1429.8	1432.6	1427.0	1427.0
25°	1803.0	1755.4	1650.6	1550.0	1471.7	1425.6	1404.6	1397.6	1397.6	1392.0	1387.9
27.5°	1829.5	1775.0	1646.4	1533.2	1441.0	1392.0	1365.5	1357.1	1350.1	1348.7	1347.3
30°	1877.0	1807.1	1654.8	1508.1	1408.8	1350.1	1316.6	1305.4	1302.6	1302.6	1299.8
32.5°	1927.3	1854.7	1671.6	1499.7	1378.1	1301.2	1266.3	1252.3	1253.7	1246.7	1246.7
35°	2008.4	1912.0	1696.7	1501.1	1347.3	1250.9	1213.2	1203.4	1193.6	1186.6	1186.6
37.5°	2086.7	1983.2	1726.1	1495.5	1322.2	1210.4	1161.4	1132.1	1125.1	1118.1	1116.7
40°	2183.1	2060.1	1762.4	1481.5	1288.6	1158.6	1093.0	1052.4	1052.4	1049.6	1046.8
42.5°	2300.5	2158.0	1801.6	1480.1	1252.3	1106.9	1011.9	970.0	963.0	961.6	968.6
45°	2437.5	2280.9	1854.7	1478.7	1220.1	1048.2	932.2	872.1	867.9	854.0	856.8
47.5°	2595.4	2412.3	1914.8	1473.1	1179.6	978.3	841.4	775.7	754.7	746.3	740.7
50°	2767.3	2550.7	1967.9	1466.1	1126.5	894.5	749.1	677.9	651.3	637.3	630.3
52.5°	2958.8	2687.7	2022.4	1452.1	1062.2	813.4	665.3	594.0	563.2	550.7	546.5
55°	3140.5	2827.4	2065.7	1432.6	997.9	728.2	587.0	522.7	497.6	492.0	490.6
57.5°	3312.4	2956.0	2103.4	1400.4	925.2	656.9	526.9	472.4	452.8	458.4	457.0
60°	3468.9	3067.8	2120.2	1351.5	851.2	587.0	478.0	433.3	422.1	433.3	431.9
62.5°	3619.9	3150.3	2116.0	1290.0	774.3	532.5	433.3	398.3	395.5	419.3	420.7
65°	3687.0	3167.0	2072.7	1199.2	693.2	476.6	391.3	353.6	353.6	369.0	371.8
67°	3684.2	3119.5	1990.2	1101.3	624.7	438.9	360.6	327.0	322.9	332.6	331.2
67.5°	3659.0	3091.6	1956.7	1074.8	609.4	429.1	352.2	320.1	317.3	325.6	322.9
70°	3432.6	2869.4	1762.4	921.0	529.7	381.6	313.1	286.5	276.7	282.3	279.5
72.5°	3003.5	2478.0	1446.6	749.1	458.4	329.8	273.9	244.6	233.4	225.0	219.4
75°	2387.2	1949.7	1108.3	594.0	374.6	278.1	229.2	194.3	169.1	171.9	169.1
77.5°	1793.2	1432.6	798.1	454.2	289.3	222.2	173.3	139.8	121.6	131.4	127.2
80°	1278.8	1004.9	574.4	331.2	205.5	148.1	120.2	93.6	99.2	99.2	54.5
82.5°	887.5	705.8	409.5	218.0	121.6	86.7	64.3	58.7	75.5	30.7	1.4
85°	271.1	229.2	159.3	78.3	39.1	23.8	14.0	23.8	8.4	1.4	0.0
87.5°	7.0	7.0	5.6	5.6	2.8	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	0.0

(END OF REPORT)