

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: P1503018

Luminaire Tested: PRV-P-70-8540-U-T3RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503018
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T3RE
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE III
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9252.5 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - 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

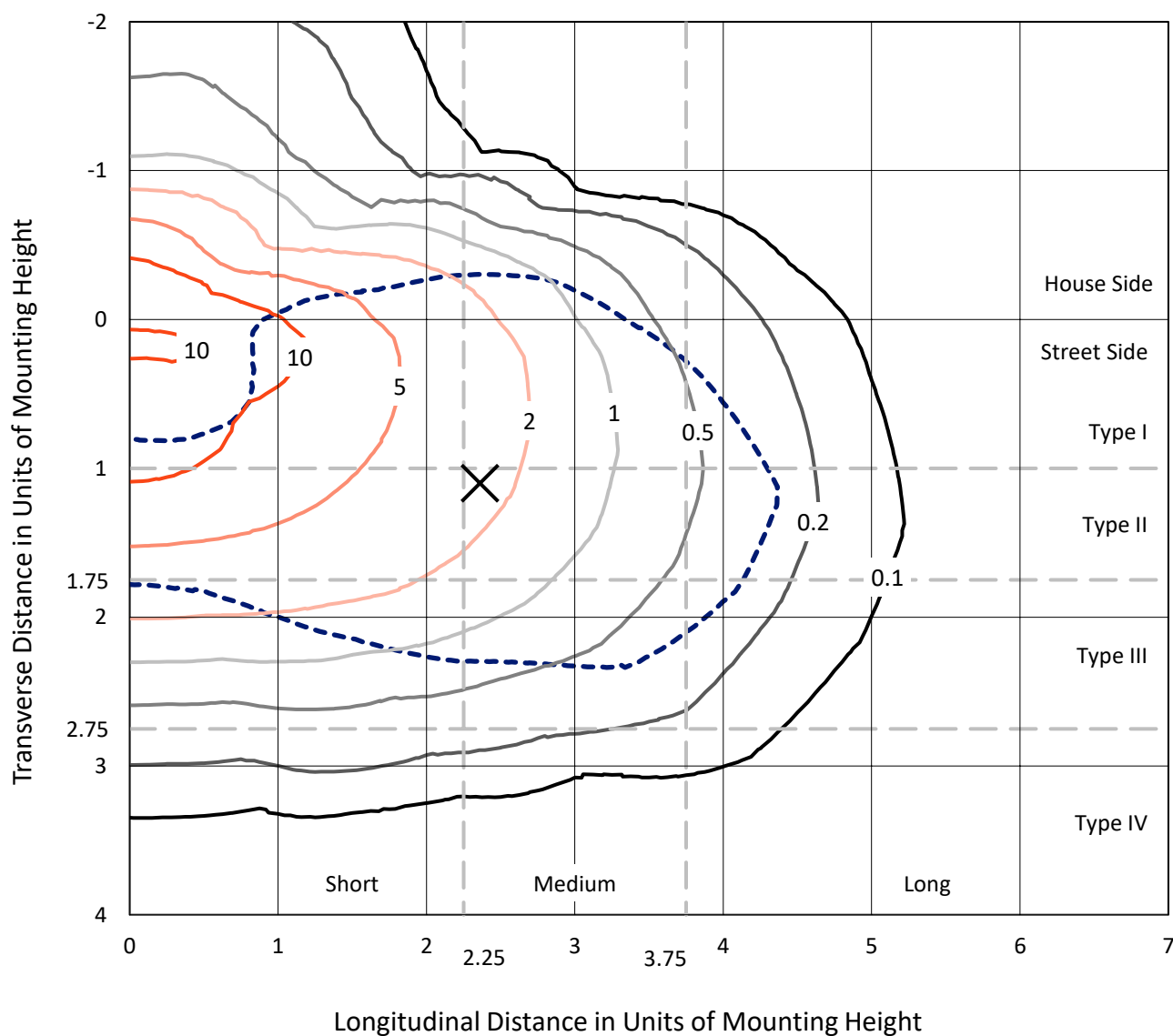
REPORT NUMBER: P1503018

CATALOG NUMBER: PRV-P-70-8540-U-T3RE

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

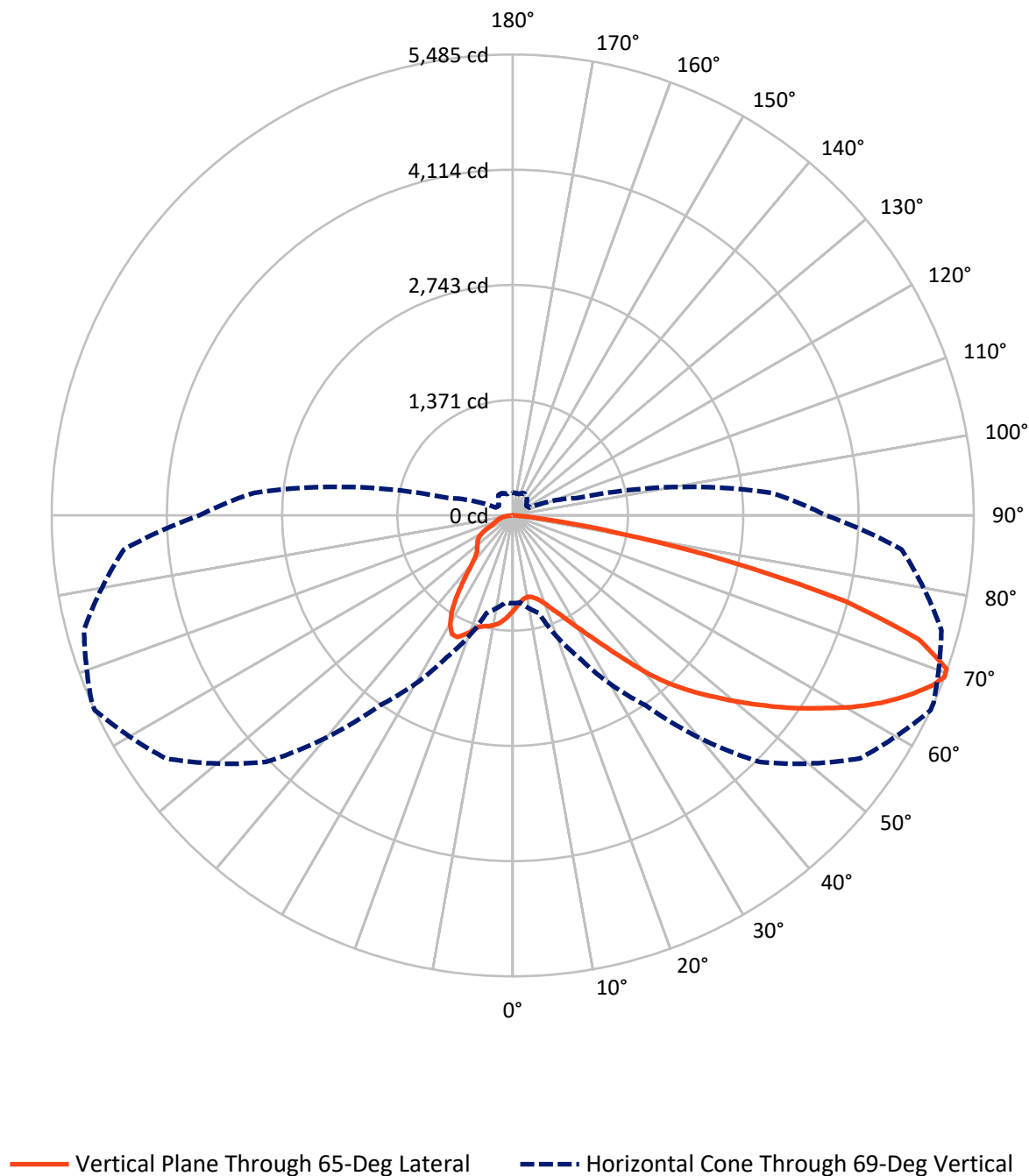


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P1503018

CATALOG NUMBER: PRV-P-70-8540-U-T3RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1503018

CATALOG NUMBER: PRV-P-70-8540-U-T3RE

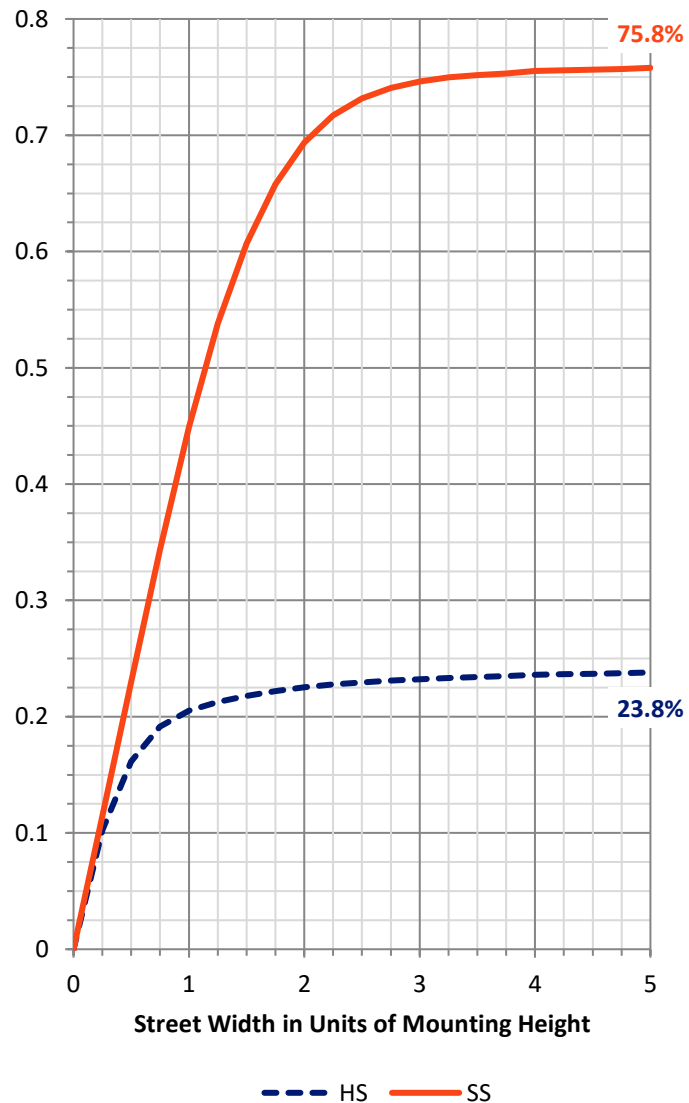
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2221.4	0.0	2221.4
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	7031.1	0.0	7031.1
	% Fixture	76.0	0.0	76.0
Total	Lumens	9252.5	0.0	9252.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	1.2
10°-20°	357.7	3.9
20°-30°	659.4	7.1
30°-40°	1027.2	11.1
40°-50°	1514.7	16.4
50°-60°	2012.3	21.7
60°-70°	2225.8	24.1
70°-80°	1238.1	13.4
80°-90°	109.8	1.2
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°	9252.5	100.0
0°-180°	9252.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1503018

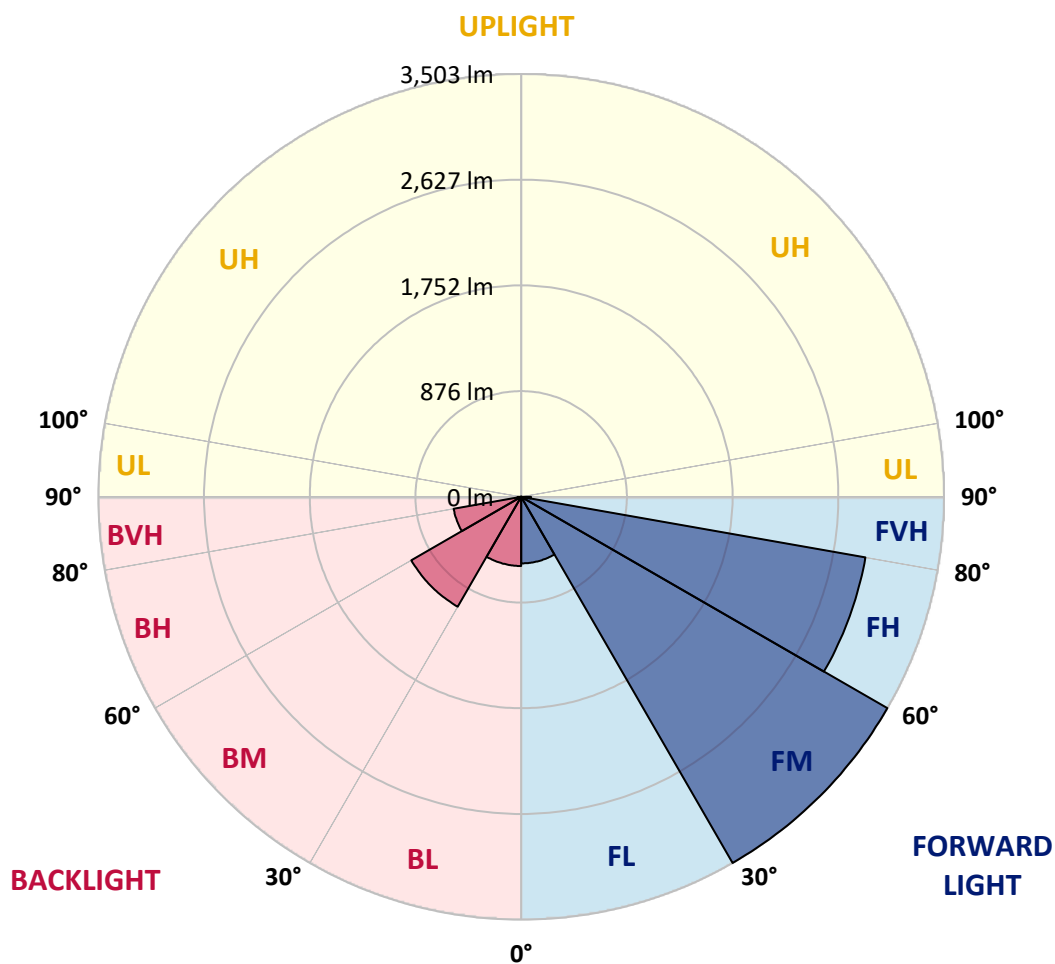
CATALOG NUMBER: PRV-P-70-8540-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	551.4	6.0			
FM	(30°-60°)	3503.1	37.9			
FH	(60°-80°)	2896.1	31.3			G2/5000
FVH	(80°-90°)	80.5	0.9			G1/100
BL	(0°-30°)	573.2	6.2	B2/1000		
BM	(30°-60°)	1051.0	11.4	B2/2500		
BH	(60°-80°)	567.9	6.1	B2/1000		G2/1000
BVH	(80°-90°)	29.3	0.3			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 III Medium



REPORT NUMBER: P1503018

CATALOG NUMBER: PRV-P-70-8540-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5
2.5°	1004.7	998.8	1006.7	1016.6	1032.5	1040.4	1058.2	1074.1	1078.0	1095.9	1119.6
5°	917.5	917.5	925.4	935.3	951.2	967.1	996.8	1028.5	1034.4	1072.1	1121.6
7.5°	911.6	909.6	913.6	917.5	923.5	933.4	957.1	996.8	1002.7	1060.2	1131.5
10°	955.2	955.2	951.2	951.2	943.3	941.3	951.2	984.9	990.8	1060.2	1155.3
12.5°	1028.5	1028.5	1022.5	1012.6	994.8	978.9	973.0	994.8	998.8	1072.1	1196.9
15°	1115.7	1117.7	1107.8	1089.9	1064.2	1032.5	1010.7	1022.5	1026.5	1093.9	1244.5
17.5°	1216.7	1220.7	1204.9	1183.1	1143.4	1101.8	1068.1	1066.1	1066.1	1133.5	1309.9
20°	1329.7	1323.8	1307.9	1286.1	1234.6	1187.0	1143.4	1129.6	1127.6	1193.0	1391.1
22.5°	1462.5	1464.5	1430.8	1389.2	1341.6	1284.1	1232.6	1212.8	1212.8	1270.3	1490.2
25°	1630.9	1625.0	1579.4	1519.9	1454.5	1393.1	1333.7	1305.9	1313.8	1373.3	1619.0
27.5°	1807.3	1799.4	1741.9	1664.6	1577.4	1506.1	1450.6	1424.8	1426.8	1500.1	1759.7
30°	1991.6	1985.6	1912.3	1817.2	1716.1	1634.9	1577.4	1563.5	1567.5	1660.6	1928.2
32.5°	2191.7	2171.9	2090.7	1991.6	1874.7	1781.5	1734.0	1730.0	1732.0	1844.9	2110.5
35°	2421.6	2391.9	2294.8	2183.8	2053.0	1959.9	1910.3	1934.1	1946.0	2100.6	2302.7
37.5°	2641.6	2617.8	2516.7	2395.8	2265.1	2158.0	2114.4	2179.8	2199.7	2364.1	2580.1
40°	2849.6	2837.8	2734.7	2600.0	2492.9	2378.0	2334.4	2469.2	2485.0	2665.4	2833.8
42.5°	3041.9	3030.0	2946.7	2825.9	2718.9	2580.1	2560.3	2734.7	2752.5	2954.7	3091.4
45°	3172.7	3168.7	3125.1	3037.9	2952.7	2825.9	2778.3	2986.4	3020.1	3218.2	3303.4
47.5°	3248.0	3248.0	3249.9	3228.1	3184.5	3059.7	3035.9	3226.2	3263.8	3452.1	3529.4
50°	3273.7	3271.7	3303.4	3357.0	3376.8	3303.4	3297.5	3489.7	3515.5	3707.7	3741.4
52.5°	3228.1	3236.1	3307.4	3422.3	3537.3	3531.3	3576.9	3759.2	3790.9	3945.5	3919.7
55°	3115.2	3131.0	3244.0	3448.1	3656.2	3741.4	3836.5	4046.6	4074.3	4195.2	4084.2
57.5°	2982.4	2978.5	3109.2	3410.5	3745.4	3959.4	4121.9	4328.0	4343.8	4429.0	4242.8
60°	2817.9	2829.8	2936.8	3293.5	3796.9	4173.4	4411.2	4631.2	4631.2	4662.9	4383.5
62.5°	2512.8	2542.5	2703.0	3117.2	3755.3	4328.0	4690.6	4914.5	4912.6	4884.8	4508.3
65°	1906.4	1936.1	2185.8	2804.1	3612.6	4431.0	4924.5	5168.2	5180.1	5098.8	4641.1
67.5°	1349.5	1355.5	1547.7	2245.2	3150.9	4357.7	5061.2	5392.1	5384.2	5233.6	4694.6
69°	1044.3	1042.4	1202.9	1864.8	2760.5	4147.6	5041.4	5485.3	5481.3	5281.2	4645.0
70°	868.0	858.1	986.9	1642.8	2415.7	3858.3	4908.6	5475.4	5475.4	5269.3	4542.0
72.5°	473.6	485.5	543.0	1056.2	1591.3	2921.0	4298.2	5057.2	5094.9	4876.9	3866.2
75°	334.9	327.0	315.1	459.7	768.9	1692.3	3303.4	4094.1	4181.3	3987.1	2877.4
77.5°	303.2	293.3	249.7	221.9	285.4	638.1	2154.1	2617.8	2691.1	2786.2	1872.7
80°	265.5	261.6	208.1	162.5	184.3	188.3	873.9	1260.3	1343.6	1391.1	816.4
82.5°	204.1	212.0	168.4	107.0	118.9	120.9	140.7	410.2	459.7	453.8	214.0
85°	87.2	97.1	95.1	55.5	61.4	65.4	63.4	75.3	91.2	69.4	49.5
87.5°	2.0	2.0	2.0	7.9	9.9	9.9	9.9	11.9	9.9	9.9	5.9
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: P1503018

CATALOG NUMBER: PRV-P-70-8540-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5
2.5°	1131.5	1143.4	1167.2	1187.0	1208.8	1214.8	1228.6	1228.6	1242.5	1246.5	1246.5
5°	1145.4	1169.2	1210.8	1244.5	1266.3	1270.3	1274.2	1270.3	1272.2	1272.2	1270.3
7.5°	1167.2	1202.9	1256.4	1290.1	1296.0	1278.2	1268.3	1260.3	1264.3	1266.3	1264.3
10°	1206.8	1248.5	1307.9	1323.8	1302.0	1280.2	1290.1	1315.8	1341.6	1355.5	1361.4
12.5°	1258.4	1307.9	1363.4	1345.6	1317.8	1331.7	1387.2	1426.8	1454.5	1466.4	1474.4
15°	1319.8	1377.3	1407.0	1361.4	1369.3	1438.7	1478.3	1488.2	1476.3	1472.4	1478.3
17.5°	1391.1	1448.6	1440.7	1389.2	1468.4	1508.1	1482.3	1446.6	1412.9	1403.0	1407.0
20°	1480.3	1525.9	1468.4	1458.5	1537.8	1494.2	1411.0	1351.5	1321.8	1319.8	1321.8
22.5°	1577.4	1603.2	1498.1	1529.9	1543.7	1403.0	1288.1	1252.4	1256.4	1268.3	1276.2
25°	1688.4	1682.4	1531.8	1591.3	1460.5	1256.4	1185.0	1185.0	1193.0	1204.9	1206.8
27.5°	1825.1	1769.6	1599.2	1587.3	1319.8	1125.6	1109.7	1113.7	1113.7	1125.6	1131.5
30°	1948.0	1846.9	1676.5	1508.1	1115.7	1022.5	1030.5	1034.4	1026.5	1024.5	1034.4
32.5°	2082.7	1918.3	1755.8	1371.3	953.2	935.3	939.3	947.2	937.3	929.4	935.3
35°	2231.4	1983.7	1805.3	1187.0	852.1	846.2	850.1	846.2	838.2	826.4	832.3
37.5°	2407.7	2082.7	1819.2	965.1	766.9	768.9	764.9	739.2	715.4	681.7	697.5
40°	2605.9	2251.2	1795.4	774.8	697.5	699.5	667.8	616.3	554.9	511.3	517.2
42.5°	2774.3	2419.6	1745.9	663.9	642.1	636.1	580.6	497.4	441.9	408.2	410.2
45°	2930.9	2592.0	1688.4	606.4	606.4	584.6	493.4	436.0	390.4	354.7	354.7
47.5°	3079.5	2754.5	1615.1	580.6	572.7	521.2	447.9	396.3	360.7	325.0	321.0
50°	3214.3	2901.2	1518.0	552.9	539.0	461.7	412.2	366.6	346.8	309.1	305.2
52.5°	3335.2	3002.2	1428.8	527.1	497.4	410.2	376.5	350.8	362.6	319.0	311.1
55°	3442.2	3049.8	1381.2	511.3	430.0	352.7	350.8	362.6	392.4	342.8	329.0
57.5°	3535.3	3059.7	1379.2	479.6	362.6	305.2	332.9	350.8	428.0	360.7	348.8
60°	3618.5	3059.7	1452.6	430.0	301.2	279.4	321.0	329.0	370.6	344.8	344.8
62.5°	3711.7	3109.2	1563.5	372.6	257.6	263.6	323.0	319.0	323.0	336.9	344.8
65°	3830.6	3232.1	1472.4	277.4	229.9	253.7	311.1	315.1	309.1	317.1	329.0
67.5°	3846.4	3224.2	1087.9	239.8	210.1	243.7	301.2	309.1	275.5	277.4	291.3
69°	3727.5	3087.4	796.6	223.9	200.1	235.8	295.3	291.3	263.6	269.5	269.5
70°	3578.9	2944.8	655.9	216.0	194.2	231.9	287.3	285.4	263.6	263.6	251.7
72.5°	2992.3	2368.1	356.7	192.2	180.3	218.0	271.5	257.6	277.4	241.8	221.9
75°	2211.5	1611.1	180.3	172.4	164.5	200.1	251.7	223.9	297.3	206.1	198.2
77.5°	1468.4	895.7	150.6	152.6	144.7	178.4	216.0	188.3	212.0	150.6	140.7
80°	654.0	388.4	124.8	126.8	120.9	142.7	174.4	142.7	132.8	79.3	83.2
82.5°	176.4	136.7	99.1	95.1	91.2	97.1	107.0	93.1	65.4	27.7	9.9
85°	55.5	53.5	49.5	53.5	47.6	41.6	45.6	35.7	21.8	4.0	0.0
87.5°	4.0	4.0	5.9	4.0	4.0	2.0	0.0	0.0	0.0	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)