

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: P1462103

Luminaire Tested: PRV-P-70-8540-U-T4W-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462103
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T4W-HSS
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6205.6 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - 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

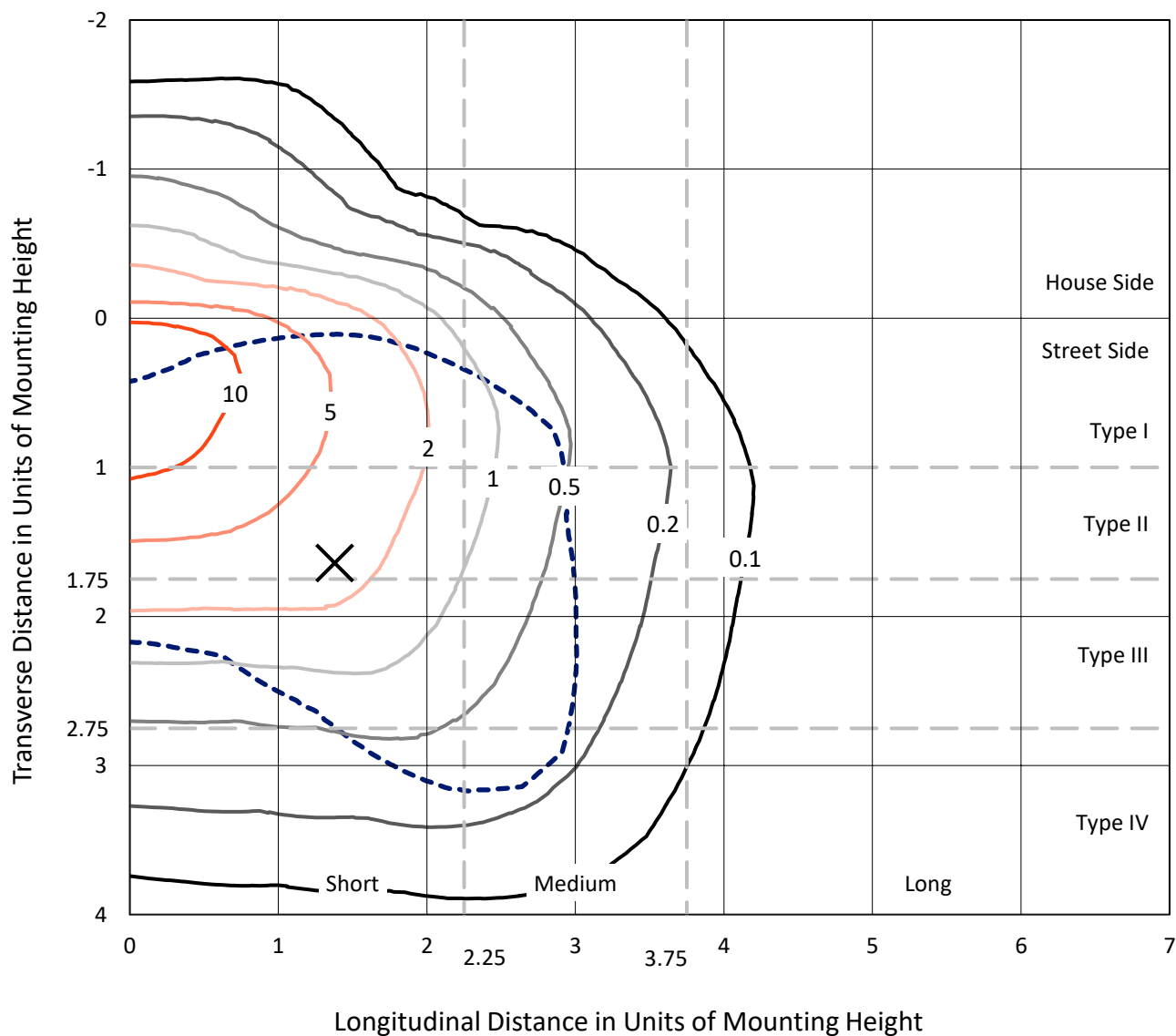
REPORT NUMBER: P1462103

CATALOG NUMBER: PRV-P-70-8540-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

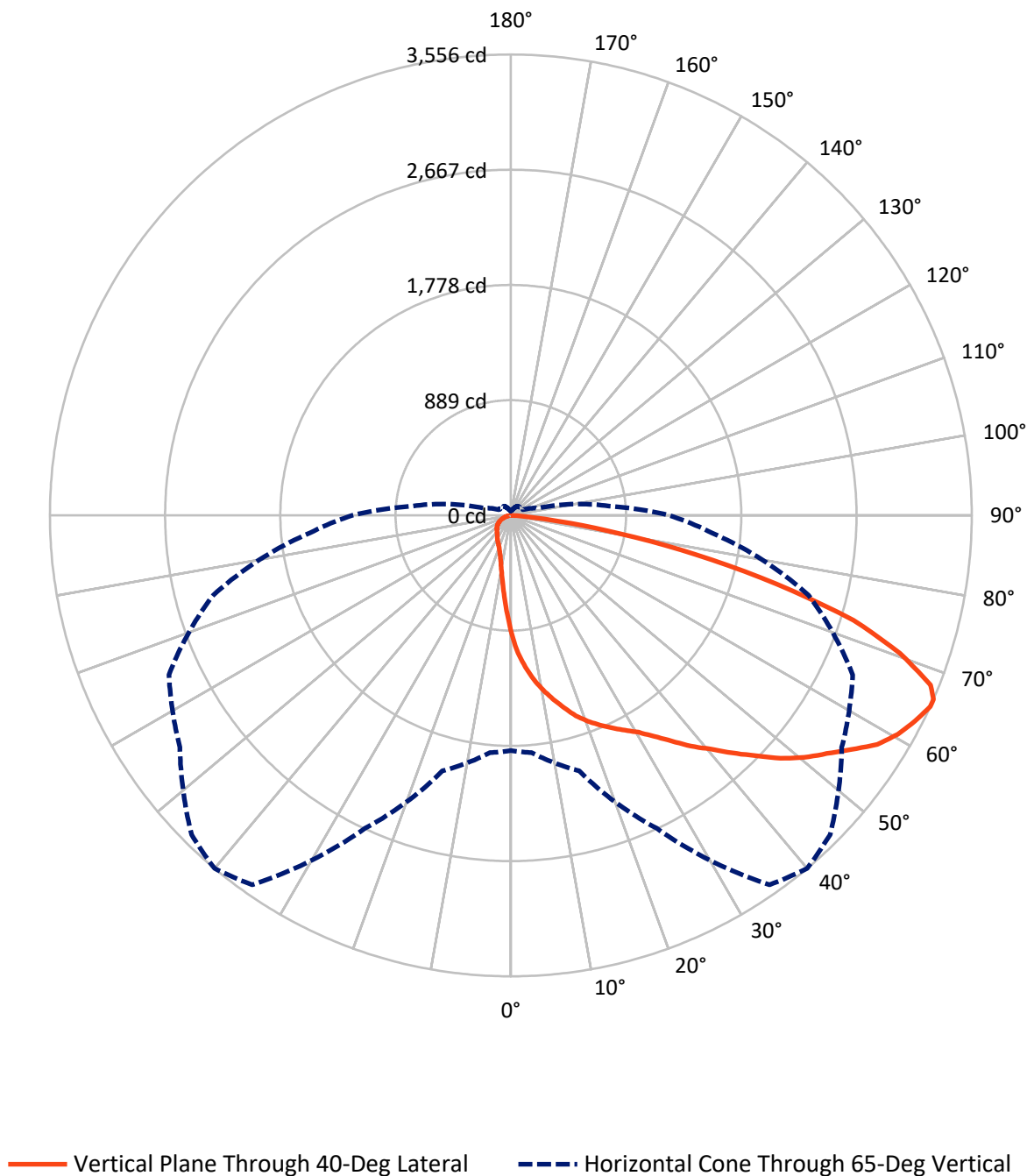


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P1462103

CATALOG NUMBER: PRV-P-70-8540-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1462103

CATALOG NUMBER: PRV-P-70-8540-U-T4W-HSS

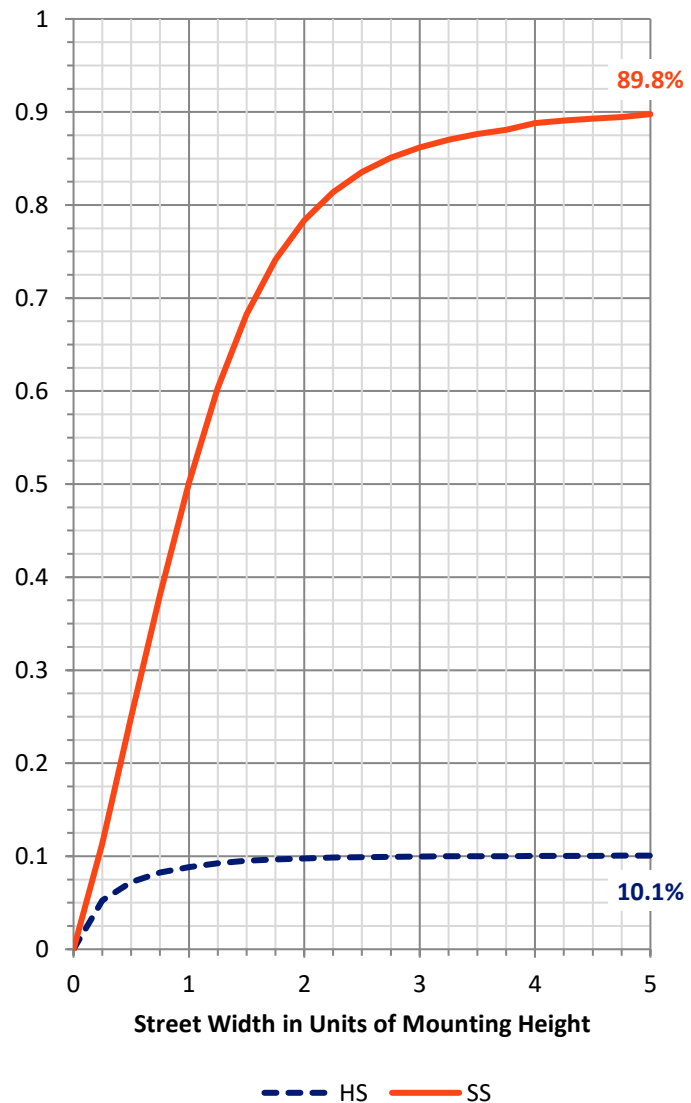
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	628.4	0.0	628.4
	% Fixture	10.1	0.0	10.1
Street Side	Lumens	5577.3	0.0	5577.3
	% Fixture	89.9	0.0	89.9
Total	Lumens	6205.6	0.0	6205.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	1.4
10°-20°	267.1	4.3
20°-30°	471.9	7.6
30°-40°	735.9	11.9
40°-50°	1091.3	17.6
50°-60°	1395.4	22.5
60°-70°	1351.4	21.8
70°-80°	716.7	11.5
80°-90°	89.2	1.4
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°	6205.6	100.0
0°-180°	6205.6	100.0

Coefficient of Utilization



REPORT NUMBER: P1462103

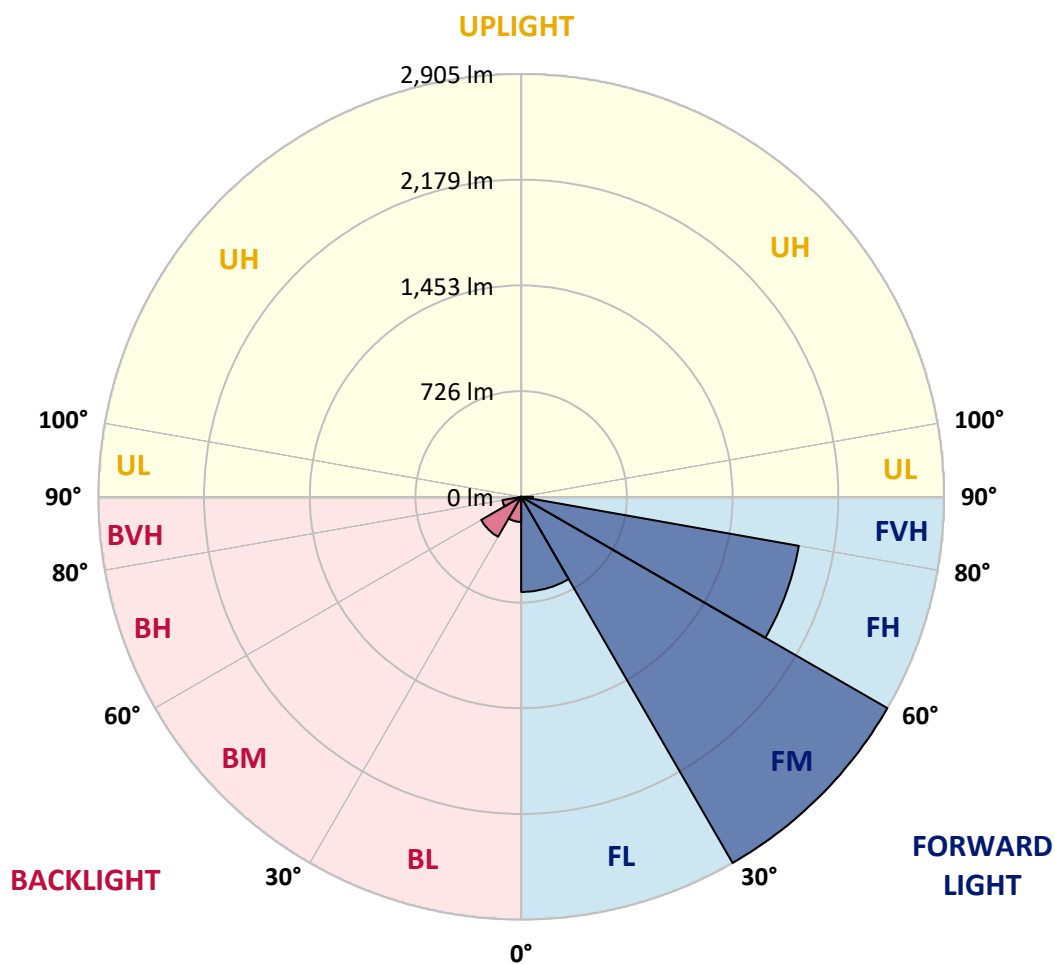
CATALOG NUMBER: PRV-P-70-8540-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.1	10.5			
FM	(30°-60°)	2905.2	46.8			
FH	(60°-80°)	1937.3	31.2			G2/5000
FVH	(80°-90°)	81.7	1.3			G1/100
BL	(0°-30°)	172.6	2.8	B1/500		
BM	(30°-60°)	317.5	5.1	B1/1000		
BH	(60°-80°)	130.9	2.1	B1/500		G1/500
BVH	(80°-90°)	7.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



REPORT NUMBER: P1462103

CATALOG NUMBER: PRV-P-70-8540-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9
2.5°	1097.3	1094.5	1090.3	1084.7	1066.5	1063.7	1049.7	1030.2	1002.2	975.7	940.7
5°	1232.8	1231.4	1227.3	1217.5	1193.7	1175.5	1164.4	1121.0	1077.7	1020.4	957.5
7.5°	1350.3	1343.3	1343.3	1325.1	1297.1	1280.4	1255.2	1206.3	1142.0	1069.3	981.2
10°	1446.7	1449.5	1441.1	1424.3	1393.6	1369.8	1348.9	1287.4	1209.1	1118.2	1005.0
12.5°	1543.2	1539.0	1533.4	1509.6	1485.8	1455.1	1428.5	1367.0	1276.2	1168.5	1031.6
15°	1621.4	1622.8	1621.4	1606.1	1572.5	1540.4	1513.8	1439.7	1344.7	1221.7	1062.3
17.5°	1687.1	1674.5	1682.9	1677.3	1648.0	1625.6	1592.1	1516.6	1404.8	1270.6	1097.3
20°	1719.3	1717.9	1731.9	1730.5	1716.5	1694.1	1680.1	1593.5	1474.7	1336.3	1128.0
22.5°	1758.4	1761.2	1771.0	1782.2	1769.6	1757.0	1740.2	1673.1	1558.5	1395.0	1165.8
25°	1801.7	1803.1	1817.1	1821.3	1824.1	1817.1	1811.5	1762.6	1629.8	1459.3	1207.7
27.5°	1874.4	1868.8	1877.2	1878.6	1881.4	1875.8	1878.6	1838.1	1727.7	1533.4	1255.2
30°	1963.9	1961.1	1955.5	1941.5	1944.3	1941.5	1949.9	1930.3	1818.5	1610.2	1299.9
32.5°	2098.1	2096.7	2081.3	2047.8	2032.4	2031.0	2029.6	2008.6	1912.2	1689.9	1354.5
35°	2260.2	2235.1	2235.1	2191.7	2169.4	2137.2	2120.4	2107.9	2007.2	1780.8	1411.8
37.5°	2430.7	2429.4	2408.4	2355.3	2316.1	2258.8	2225.3	2190.3	2099.5	1870.2	1466.3
40°	2644.6	2630.6	2598.5	2535.6	2447.5	2369.2	2327.3	2291.0	2195.9	1958.3	1518.0
42.5°	2876.6	2847.3	2794.2	2708.9	2588.7	2504.8	2454.5	2388.8	2296.6	2050.6	1576.7
45°	3104.5	3036.0	2961.9	2899.0	2722.9	2643.2	2592.9	2507.6	2405.6	2144.2	1632.6
47.5°	3209.3	3128.2	3103.1	3065.3	2866.9	2799.8	2742.5	2634.8	2513.2	2258.8	1692.7
50°	3220.5	3166.0	3213.5	3173.0	2989.9	2935.3	2889.2	2774.6	2626.4	2365.1	1748.6
52.5°	3139.4	3146.4	3235.9	3216.3	3107.3	3052.8	3030.4	2911.6	2732.7	2453.1	1793.4
55°	3005.2	3002.4	3154.8	3277.8	3227.5	3186.9	3160.4	3059.8	2852.9	2528.6	1831.1
57.5°	2802.6	2791.4	2960.5	3279.2	3354.7	3333.7	3297.4	3200.9	2940.9	2555.2	1838.1
60°	2541.2	2507.6	2685.1	3147.8	3410.6	3428.8	3410.6	3287.6	3010.8	2527.2	1792.0
62.5°	2209.9	2190.3	2400.0	2928.4	3458.1	3498.7	3465.1	3263.8	3020.6	2467.1	1702.5
65°	1814.3	1836.7	2040.8	2664.2	3479.1	3556.0	3483.3	3117.1	2910.2	2377.6	1558.5
66°	1656.4	1696.9	1888.4	2534.2	3453.9	3556.0	3470.7	3043.0	2817.9	2318.9	1492.8
67.5°	1473.3	1488.6	1660.6	2328.7	3379.8	3493.1	3398.0	2915.8	2654.4	2223.9	1379.6
70°	1147.6	1176.9	1329.3	1905.2	3070.9	3184.2	3086.3	2623.6	2258.8	1975.1	1140.6
72.5°	851.3	879.2	1040.0	1484.4	2608.3	2764.8	2661.4	2222.5	1835.3	1624.2	910.0
75°	584.3	623.4	749.2	1080.5	1920.6	2119.0	2109.3	1723.5	1396.4	1213.3	676.5
77.5°	332.7	348.0	473.8	698.9	1230.1	1459.3	1485.8	1231.4	975.7	819.1	479.4
80°	155.2	157.9	229.2	404.0	712.9	848.5	922.5	803.7	599.6	507.4	329.9
82.5°	65.7	74.1	107.6	163.5	283.8	367.6	434.7	451.5	324.3	294.9	209.7
85°	8.4	9.8	12.6	46.1	78.3	104.8	132.8	137.0	116.0	116.0	75.5
87.5°	1.4	1.4	2.8	4.2	5.6	5.6	7.0	11.2	5.6	4.2	4.2
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: P1462103

CATALOG NUMBER: PRV-P-70-8540-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9
2.5°	922.5	907.2	866.6	837.3	805.1	775.8	750.6	736.6	722.7	715.7	717.1
5°	921.1	890.4	820.5	752.0	694.7	647.2	606.6	581.5	563.3	550.7	550.7
7.5°	928.1	875.0	767.4	679.3	601.0	538.1	493.4	464.1	443.1	437.5	431.9
10°	933.7	865.2	725.5	602.4	511.6	454.3	410.9	385.8	366.2	359.2	356.4
12.5°	946.3	858.2	684.9	545.1	448.7	385.8	350.8	327.1	315.9	310.3	310.3
15°	963.1	854.0	647.2	490.6	395.6	341.1	307.5	289.3	282.4	276.8	275.4
17.5°	979.8	854.0	609.4	448.7	356.4	307.5	278.2	262.8	255.8	253.0	253.0
20°	996.6	849.9	578.7	413.7	327.1	279.6	254.4	244.6	239.0	234.8	234.8
22.5°	1016.2	848.5	546.5	380.2	300.5	260.0	237.6	227.8	222.2	219.5	219.5
25°	1041.3	851.3	520.0	350.8	279.6	246.0	223.6	212.5	205.5	204.1	201.3
27.5°	1070.7	858.2	497.6	331.3	261.4	233.4	211.1	198.5	190.1	187.3	185.9
30°	1101.5	865.2	476.6	307.5	244.6	219.5	198.5	183.1	176.1	173.3	171.9
32.5°	1133.6	873.6	459.9	290.7	230.6	205.5	187.3	170.5	164.9	162.1	160.7
35°	1167.2	886.2	440.3	274.0	218.1	192.9	176.1	159.3	155.2	152.4	152.4
37.5°	1206.3	897.4	427.7	261.4	208.3	183.1	166.3	152.4	148.2	146.8	145.4
40°	1242.6	911.4	423.5	251.6	199.9	174.7	157.9	144.0	141.2	139.8	139.8
42.5°	1276.2	925.3	417.9	243.2	190.1	166.3	151.0	139.8	135.6	134.2	134.2
45°	1309.7	933.7	408.2	234.8	180.3	159.3	146.8	134.2	130.0	127.2	127.2
47.5°	1343.3	944.9	394.2	225.0	171.9	153.8	141.2	128.6	124.4	121.6	121.6
50°	1374.0	950.5	381.6	211.1	162.1	145.4	134.2	123.0	118.8	114.6	114.6
52.5°	1402.0	956.1	362.0	198.5	153.8	138.4	128.6	117.4	110.4	104.8	103.4
55°	1422.9	958.9	339.7	178.9	142.6	130.0	121.6	110.4	96.4	86.7	83.9
57.5°	1422.9	956.1	314.5	157.9	131.4	120.2	114.6	100.6	78.3	67.1	65.7
60°	1402.0	932.3	287.9	135.6	118.8	110.4	106.2	86.7	64.3	54.5	53.1
62.5°	1339.1	890.4	254.4	117.4	106.2	100.6	96.4	74.1	53.1	44.7	43.3
65°	1221.7	788.4	213.9	103.4	95.0	92.3	86.7	62.9	44.7	36.3	36.3
66°	1165.8	742.2	198.5	99.2	90.9	88.1	81.1	58.7	40.5	32.1	30.8
67.5°	1055.3	666.7	174.7	92.3	83.9	83.9	75.5	53.1	32.1	23.8	23.8
70°	858.2	531.2	142.6	82.5	75.5	71.3	62.9	40.5	23.8	16.8	15.4
72.5°	659.8	404.0	118.8	74.1	69.9	60.1	51.7	33.5	18.2	11.2	11.2
75°	487.8	293.5	103.4	64.3	58.7	47.5	44.7	25.2	12.6	7.0	7.0
77.5°	334.1	205.5	96.4	54.5	46.1	37.7	34.9	18.2	8.4	4.2	2.8
80°	223.6	137.0	76.9	40.5	36.3	28.0	21.0	9.8	4.2	0.0	0.0
82.5°	138.4	81.1	46.1	29.4	21.0	15.4	11.2	4.2	1.4	0.0	0.0
85°	44.7	28.0	16.8	5.6	4.2	2.8	1.4	1.4	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	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)