

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: P1462363

Luminaire Tested: PRV-P-70-8540-U-T2R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462363
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T2R-HSS
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY 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: 6395.4 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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

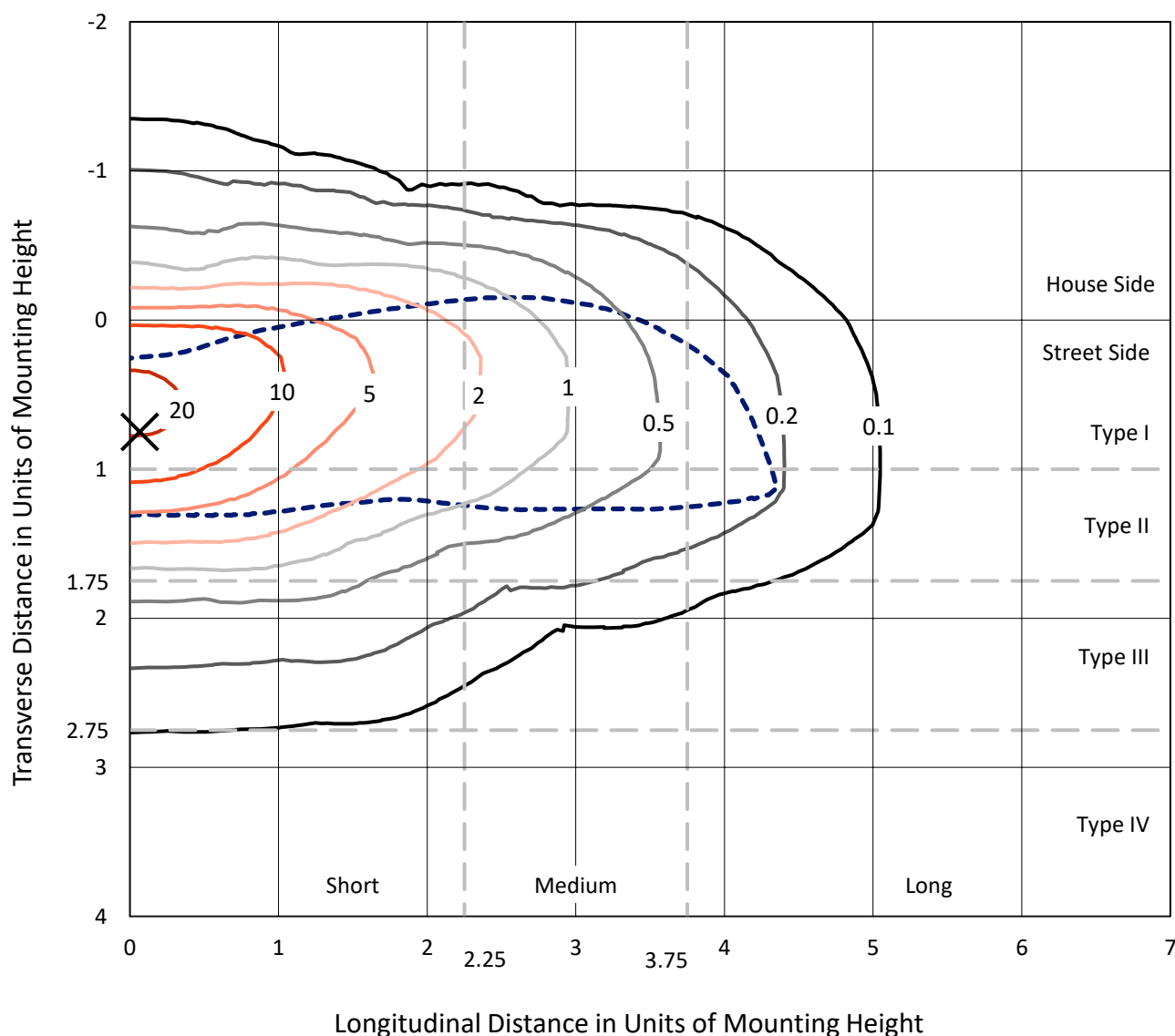
REPORT NUMBER: P1462363

CATALOG NUMBER: PRV-P-70-8540-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



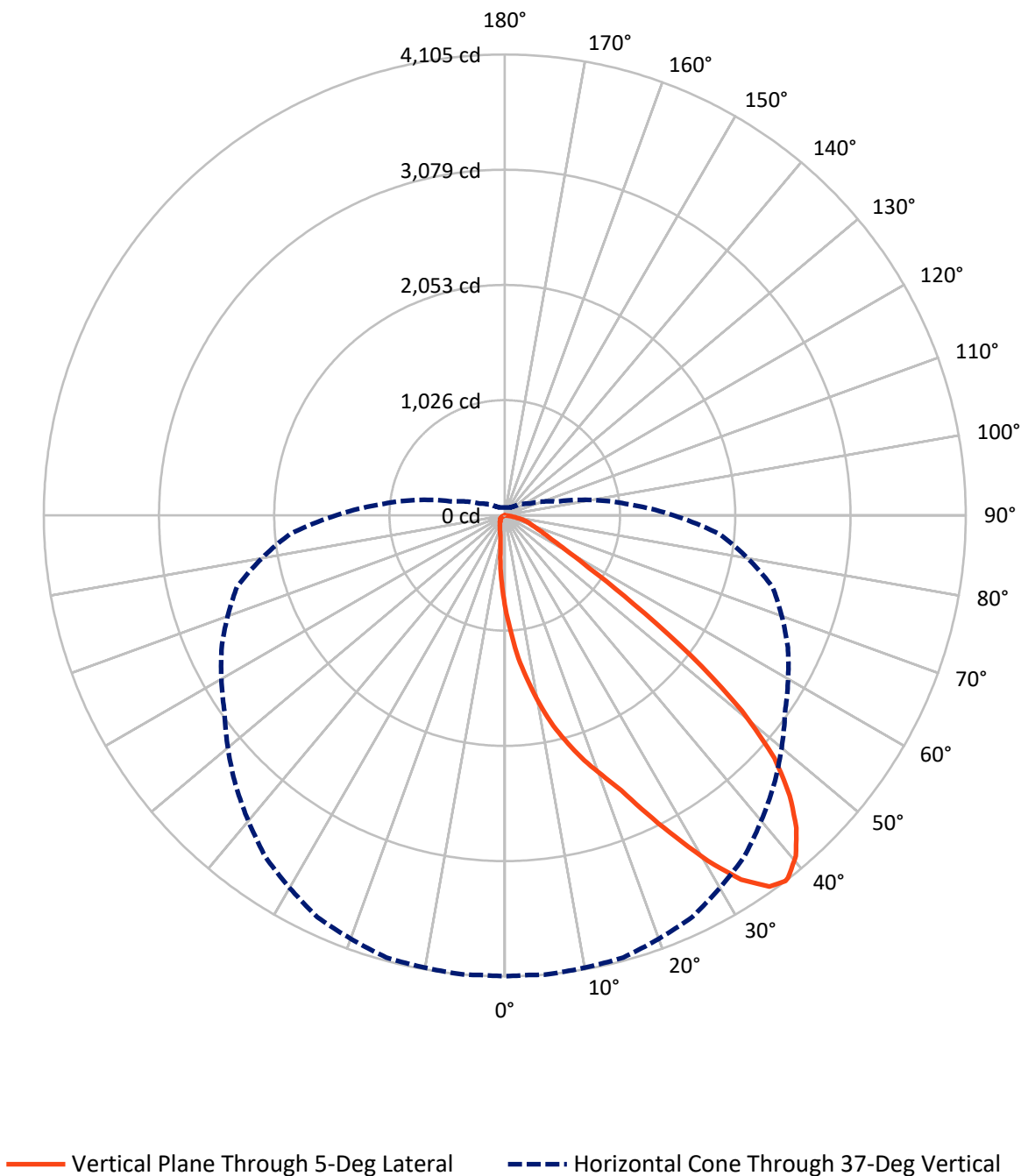
Based on 10 foot mounting height. Maximum calculated value = 23.3 fc

Type II - Short - N/A

REPORT NUMBER: P1462363

CATALOG NUMBER: PRV-P-70-8540-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1462363

CATALOG NUMBER: PRV-P-70-8540-U-T2R-HSS

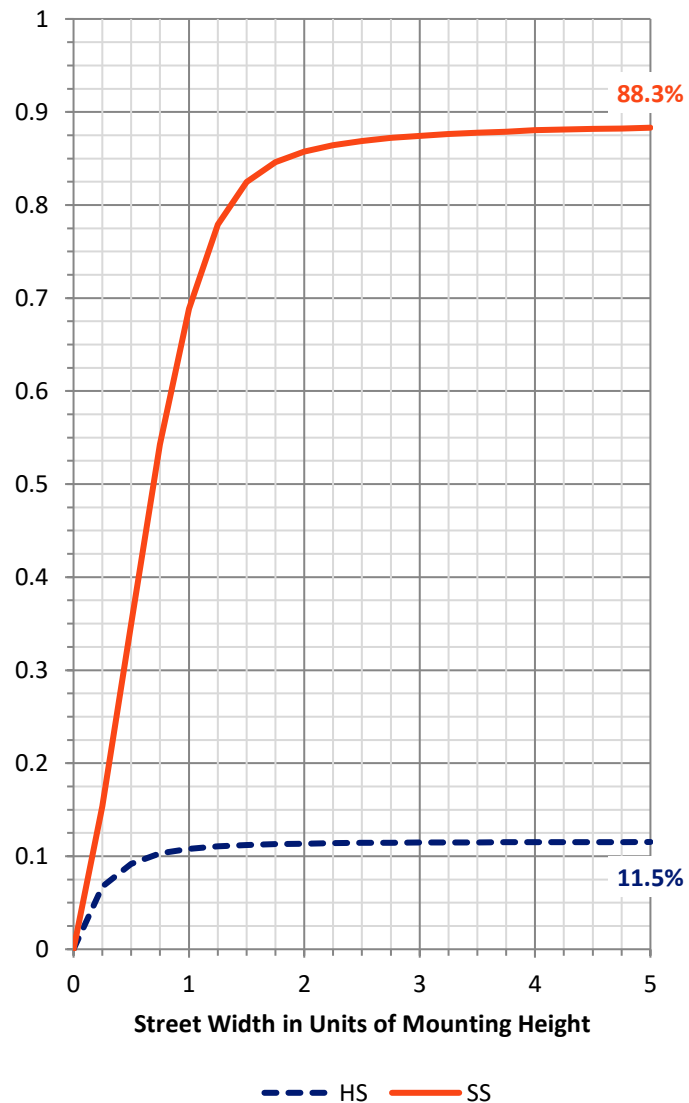
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.7	0.0	742.7
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	5652.6	0.0	5652.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	6395.4	0.0	6395.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.3
10°-20°	296.1	4.6
20°-30°	613.4	9.6
30°-40°	1066.4	16.7
40°-50°	1392.5	21.8
50°-60°	1315.0	20.6
60°-70°	1000.1	15.6
70°-80°	558.1	8.7
80°-90°	69.9	1.1
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°	6395.4	100.0
0°-180°	6395.4	100.0

Coefficient of Utilization



REPORT NUMBER: P1462363

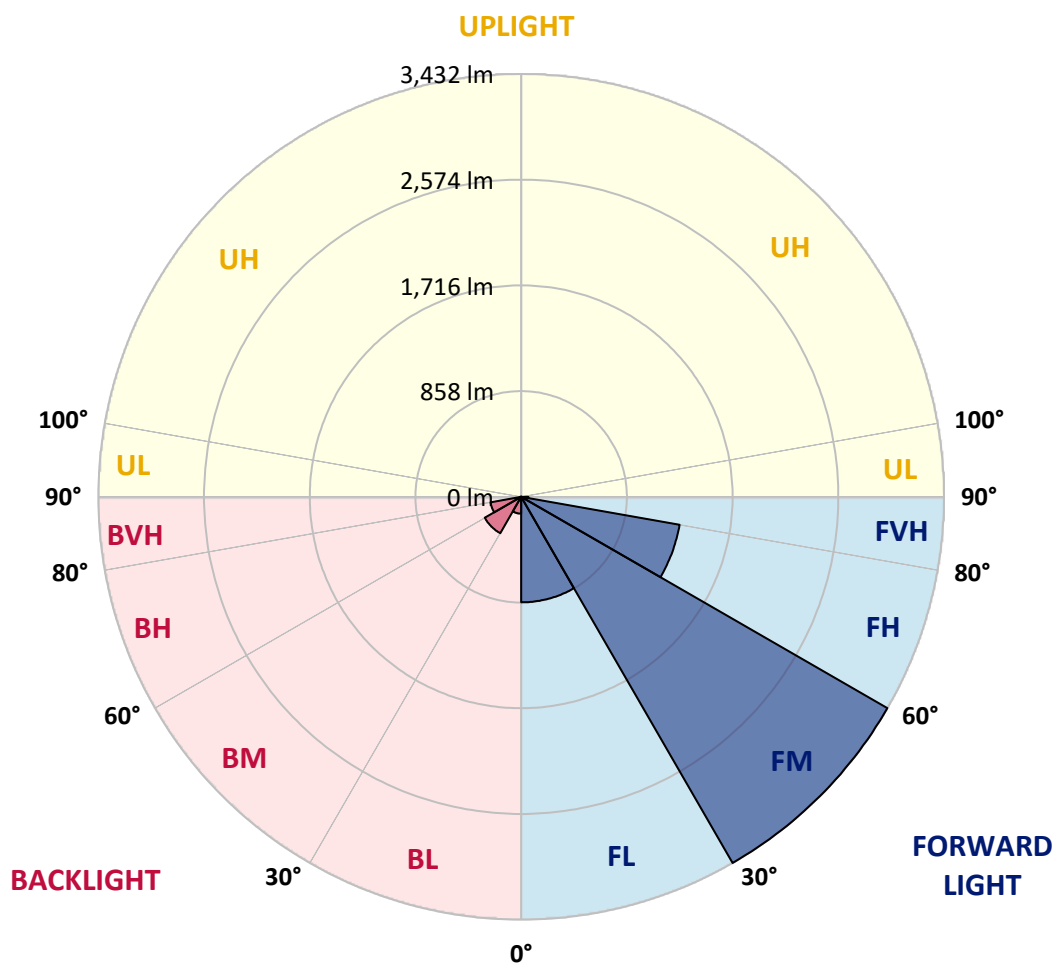
CATALOG NUMBER: PRV-P-70-8540-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	856.7	13.4			
FM	(30°-60°)	3432.3	53.7			
FH	(60°-80°)	1305.6	20.4			G1/1800
FVH	(80°-90°)	58.0	0.9			G1/100
BL	(0°-30°)	136.7	2.1	B1/500		
BM	(30°-60°)	341.5	5.3	B1/1000		
BH	(60°-80°)	252.6	4.0	B1/500		G1/500
BVH	(80°-90°)	11.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P1462363

CATALOG NUMBER: PRV-P-70-8540-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	1052.5	1034.3	1037.1	1045.5	1035.7	1013.4	982.6	958.9	925.3	890.4	854.0
5°	1266.4	1272.0	1279.0	1273.4	1244.0	1216.1	1154.6	1101.4	1026.0	950.5	879.2
7.5°	1484.4	1480.2	1488.6	1483.0	1446.7	1396.4	1318.1	1232.8	1130.8	1019.0	908.5
10°	1709.5	1701.1	1709.5	1689.9	1655.0	1585.1	1490.0	1386.6	1255.2	1094.4	950.5
12.5°	1913.5	1916.3	1921.9	1905.1	1847.8	1771.0	1657.7	1530.5	1371.2	1190.9	989.6
15°	2105.0	2110.6	2109.2	2098.0	2044.9	1956.9	1831.1	1680.1	1498.4	1287.3	1044.1
17.5°	2289.5	2292.3	2293.7	2277.0	2228.0	2128.8	1997.4	1824.1	1627.0	1393.6	1108.4
20°	2474.0	2462.9	2467.0	2447.5	2386.0	2293.7	2156.7	1987.6	1762.6	1509.6	1179.7
22.5°	2650.2	2653.0	2659.9	2629.2	2560.7	2453.1	2306.3	2130.2	1905.1	1636.8	1263.6
25°	2926.9	2922.7	2940.9	2887.8	2756.4	2615.2	2467.0	2293.7	2057.5	1769.6	1361.4
27.5°	3249.8	3245.6	3244.2	3191.1	3024.8	2820.7	2622.2	2430.7	2211.3	1913.5	1464.9
30°	3592.2	3589.5	3572.7	3501.4	3297.3	3048.5	2796.9	2576.1	2359.4	2044.9	1572.5
32.5°	3871.8	3862.0	3866.2	3796.3	3582.5	3291.7	2998.2	2732.6	2500.6	2195.9	1688.5
35°	4064.7	4054.9	4060.5	4001.8	3820.1	3554.5	3209.3	2889.2	2648.8	2353.8	1811.5
37°	4103.8	4098.2	4105.2	4075.9	3947.3	3713.9	3391.0	3047.1	2781.5	2469.8	1920.5
37.5°	4096.8	4091.2	4098.2	4077.3	3961.3	3726.4	3411.9	3076.5	2813.7	2507.6	1944.3
40°	3982.2	3978.0	3990.6	4004.6	3955.7	3834.1	3579.7	3251.2	2985.6	2678.1	2082.7
42.5°	3792.1	3799.1	3806.1	3838.3	3828.5	3793.5	3660.7	3402.2	3139.4	2845.8	2202.9
45°	3544.7	3540.5	3558.7	3602.0	3618.8	3637.0	3641.2	3501.4	3293.1	3015.0	2324.5
47.5°	3234.4	3240.0	3231.6	3302.9	3370.0	3441.3	3519.6	3521.0	3407.7	3200.9	2467.0
50°	2738.2	2713.1	2736.8	2886.4	3080.7	3216.3	3322.5	3453.9	3494.4	3391.0	2615.2
52.5°	2070.1	2071.5	2075.7	2309.1	2626.4	2939.5	3122.6	3314.1	3514.0	3557.3	2781.5
55°	1439.7	1392.2	1386.6	1670.3	2103.6	2567.7	2892.0	3125.4	3458.1	3712.5	2956.3
57.5°	889.0	866.6	887.6	1091.7	1589.3	2078.5	2569.1	2953.5	3353.2	3828.5	3143.6
60°	602.4	608.0	619.2	738.0	1111.2	1596.2	2149.8	2773.2	3238.6	3902.6	3318.3
62.5°	459.9	461.3	464.1	522.8	773.0	1164.3	1642.4	2437.7	3158.9	3866.2	3418.9
65°	371.8	374.6	376.0	405.4	539.5	863.8	1181.1	1954.1	3054.1	3697.1	3446.9
67.5°	308.9	306.1	308.9	335.5	413.7	651.4	851.2	1417.3	2822.1	3544.7	3391.0
70°	255.8	255.8	255.8	283.7	338.3	504.6	617.8	958.9	2391.6	3431.5	3207.9
72.5°	219.4	219.4	220.8	240.4	285.1	398.4	466.9	634.6	1860.4	3217.6	2829.1
75°	181.7	181.7	183.1	202.7	240.4	311.7	362.0	444.5	1297.1	2769.0	2288.1
77.5°	130.0	130.0	128.6	155.2	191.5	229.2	265.6	313.1	800.9	2056.1	1717.8
80°	74.1	78.3	79.7	90.9	134.2	162.1	183.1	212.5	420.7	1183.9	992.4
82.5°	36.3	43.3	43.3	57.3	81.1	97.8	110.4	128.6	187.3	479.4	434.7
85°	14.0	15.4	18.2	21.0	29.4	39.1	46.1	47.5	58.7	120.2	117.4
87.5°	1.4	1.4	1.4	2.8	4.2	7.0	7.0	7.0	9.8	8.4	5.6
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: P1462363

CATALOG NUMBER: PRV-P-70-8540-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	837.3	819.1	785.5	752.0	722.6	696.1	677.9	654.2	644.4	636.0	631.8
5°	841.5	807.9	742.2	677.9	623.4	575.9	531.1	510.2	479.4	472.4	464.1
7.5°	852.6	800.9	701.7	609.4	527.0	455.7	397.0	357.8	327.1	311.7	314.5
10°	872.2	802.3	663.9	538.1	434.7	348.0	282.3	250.2	230.6	222.2	223.6
12.5°	891.8	802.3	631.8	478.0	350.8	261.4	219.4	199.9	191.5	185.9	184.5
15°	922.5	809.3	601.0	412.3	276.8	212.5	184.5	171.9	164.9	160.7	162.1
17.5°	957.5	817.7	571.7	352.2	226.4	183.1	164.9	153.8	146.8	144.0	142.6
20°	996.6	835.9	540.9	299.1	194.3	163.5	148.2	138.4	130.0	128.6	128.6
22.5°	1049.7	858.2	515.8	261.4	173.3	148.2	134.2	125.8	118.8	116.0	116.0
25°	1114.0	889.0	499.0	233.4	159.3	135.6	121.6	113.2	107.6	104.8	104.8
27.5°	1186.7	929.5	486.4	220.8	151.0	125.8	113.2	104.8	99.2	96.4	96.4
30°	1262.2	975.6	478.0	219.4	148.2	117.4	104.8	96.4	90.9	88.1	88.1
32.5°	1344.6	1021.8	476.6	226.4	152.4	111.8	97.8	89.5	83.9	79.7	81.1
35°	1425.7	1072.1	476.6	237.6	160.7	110.4	90.9	82.5	76.9	74.1	74.1
37°	1502.6	1114.0	473.8	247.4	169.1	110.4	86.7	78.3	72.7	69.9	69.9
37.5°	1518.0	1123.8	472.4	248.8	170.5	111.8	85.3	76.9	71.3	69.9	68.5
40°	1618.6	1183.9	473.8	255.8	177.5	111.8	79.7	71.3	67.1	64.3	64.3
42.5°	1712.3	1238.4	478.0	260.0	180.3	110.4	74.1	67.1	62.9	60.1	60.1
45°	1783.5	1270.6	475.2	260.0	178.9	106.2	69.9	62.9	60.1	57.3	57.3
47.5°	1870.2	1315.3	472.4	260.0	171.9	100.6	65.7	60.1	57.3	54.5	54.5
50°	1958.3	1368.4	479.4	258.6	159.3	92.3	61.5	57.3	54.5	53.1	51.7
52.5°	2061.7	1424.3	487.8	255.8	146.8	82.5	58.7	54.5	51.7	48.9	48.9
55°	2177.7	1483.0	501.8	248.8	130.0	72.7	55.9	53.1	47.5	44.7	44.7
57.5°	2300.7	1547.3	514.4	233.4	113.2	64.3	54.5	48.9	41.9	36.3	36.3
60°	2426.5	1628.4	522.8	204.1	97.8	58.7	51.7	44.7	34.9	30.8	30.8
62.5°	2520.2	1713.7	524.2	151.0	81.1	54.5	48.9	39.1	30.8	28.0	26.6
65°	2588.7	1786.3	504.6	103.4	65.7	50.3	46.1	34.9	26.6	22.4	22.4
67.5°	2594.2	1828.3	447.3	71.3	54.5	47.5	41.9	30.8	16.8	14.0	12.6
70°	2510.4	1782.1	342.5	58.7	47.5	41.9	33.5	22.4	14.0	11.2	11.2
72.5°	2253.2	1599.0	220.8	51.7	41.9	36.3	29.4	19.6	12.6	8.4	8.4
75°	1842.3	1295.7	145.4	46.1	34.9	29.4	23.8	15.4	9.8	5.6	5.6
77.5°	1364.2	854.0	93.7	39.1	28.0	23.8	18.2	11.2	7.0	4.2	2.8
80°	802.3	472.4	60.1	30.8	22.4	18.2	12.6	7.0	4.2	1.4	1.4
82.5°	353.6	191.5	37.7	21.0	12.6	11.2	5.6	2.8	1.4	0.0	0.0
85°	86.7	43.3	14.0	5.6	4.2	2.8	1.4	1.4	0.0	0.0	0.0
87.5°	5.6	5.6	4.2	4.2	2.8	2.8	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)