

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: P1502966

Luminaire Tested: PRV-P-70-8540-U-T2RE-HSS

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1502966
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T2RE-HSS
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY ILLUMINANCE 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: 6785.4 lumens
Efficiency: N/A
Efficacy: 91.7 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

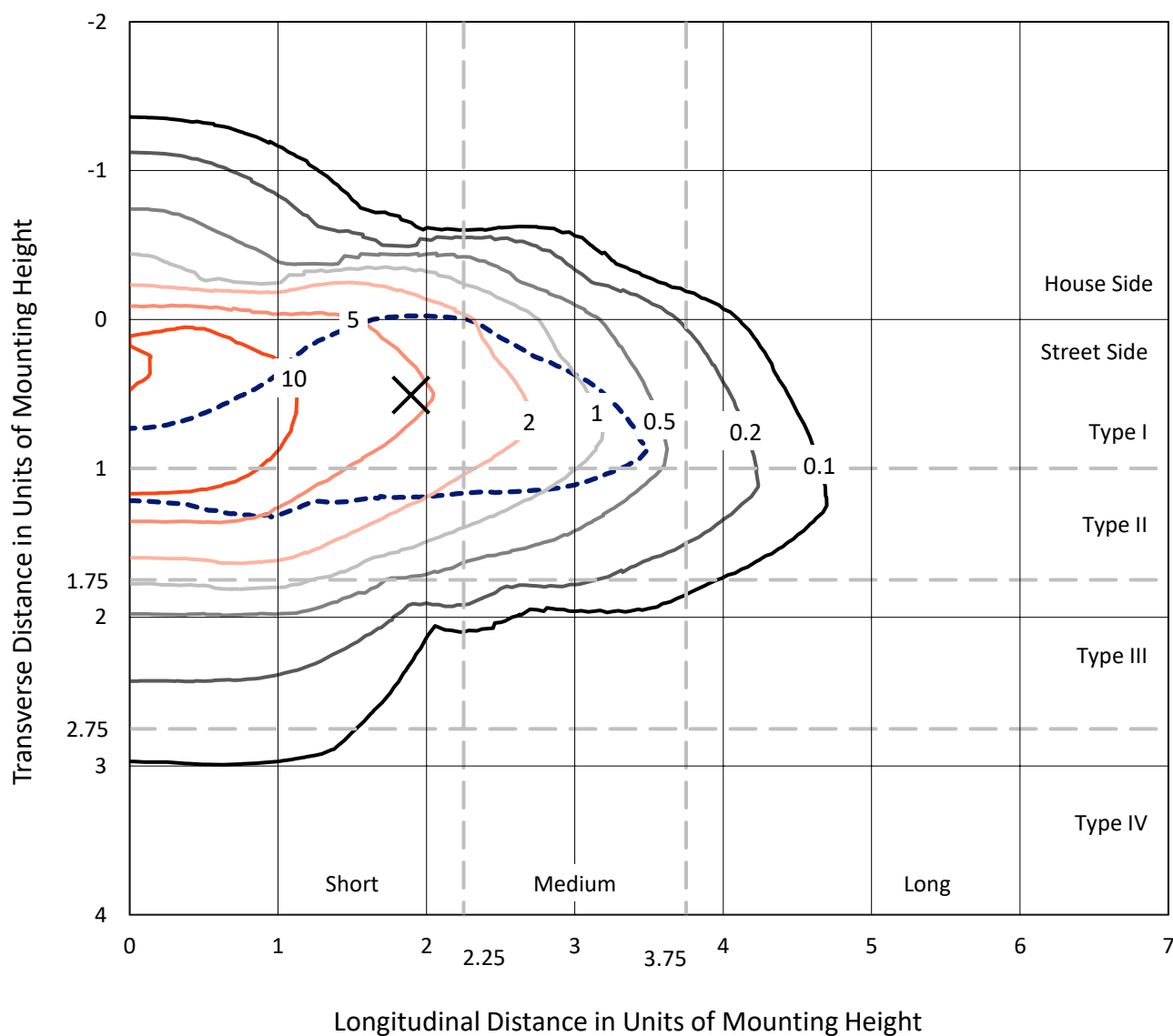
REPORT NUMBER: P1502966

CATALOG NUMBER: PRV-P-70-8540-U-T2RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



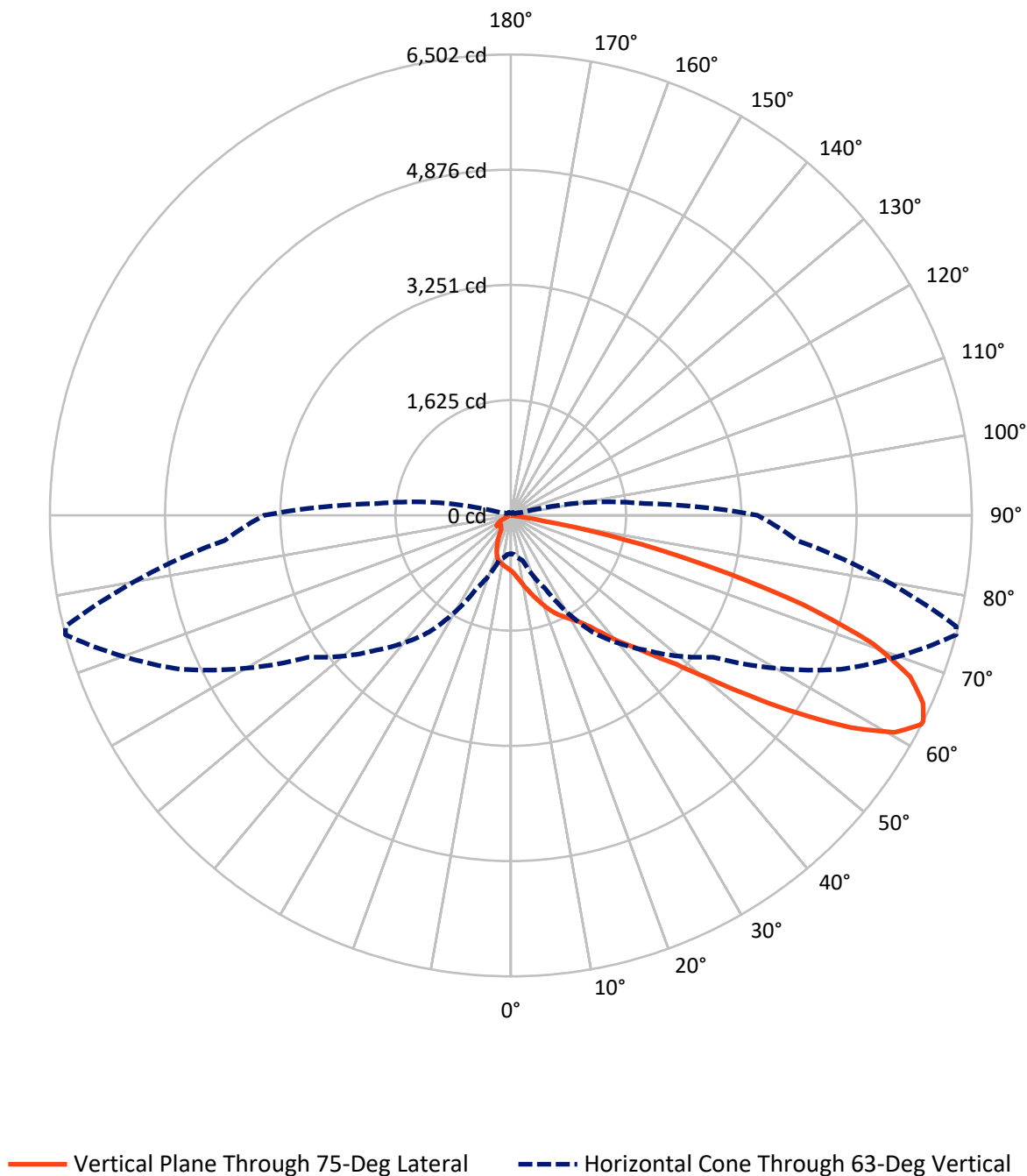
Based on 10 foot mounting height. Maximum calculated value = 17.4 fc

Type II - Short - N/A

REPORT NUMBER: P1502966

CATALOG NUMBER: PRV-P-70-8540-U-T2RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1502966

CATALOG NUMBER: PRV-P-70-8540-U-T2RE-HSS

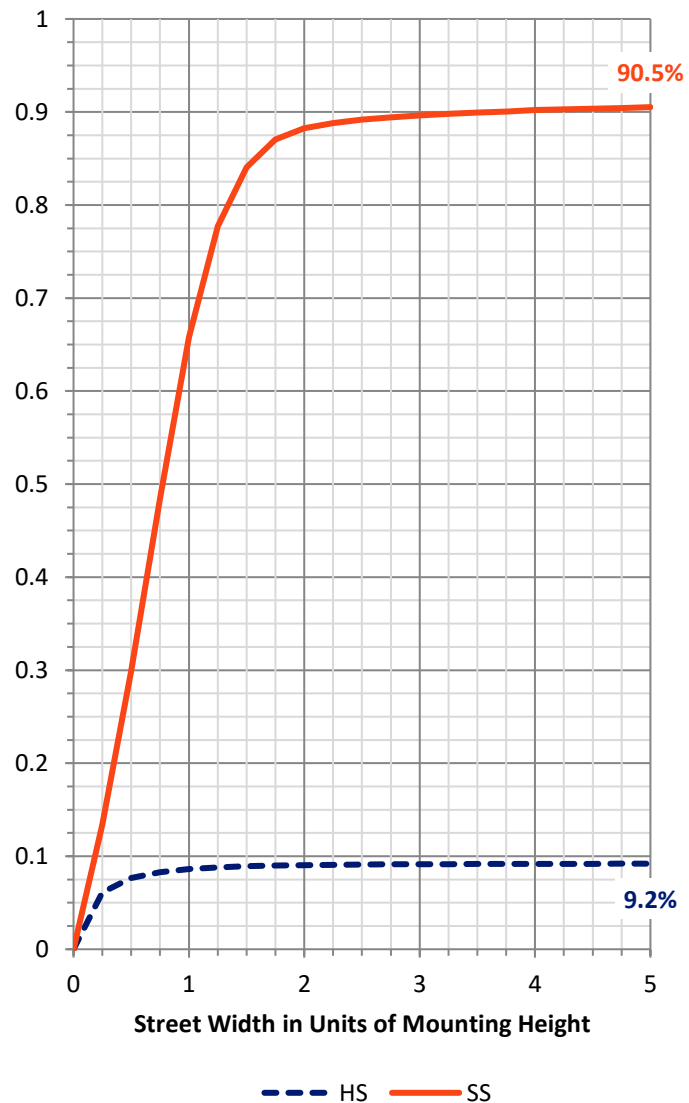
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	628.8	0.0	628.8
	% Fixture	9.3	0.0	9.3
Street Side	Lumens	6156.6	0.0	6156.6
	% Fixture	90.7	0.0	90.7
Total	Lumens	6785.4	0.0	6785.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	1.1
10°-20°	213.0	3.1
20°-30°	407.5	6.0
30°-40°	848.6	12.5
40°-50°	1508.8	22.2
50°-60°	1802.7	26.6
60°-70°	1391.3	20.5
70°-80°	501.2	7.4
80°-90°	37.6	0.6
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°	6785.4	100.0
0°-180°	6785.4	100.0

Coefficient of Utilization



REPORT NUMBER: P1502966

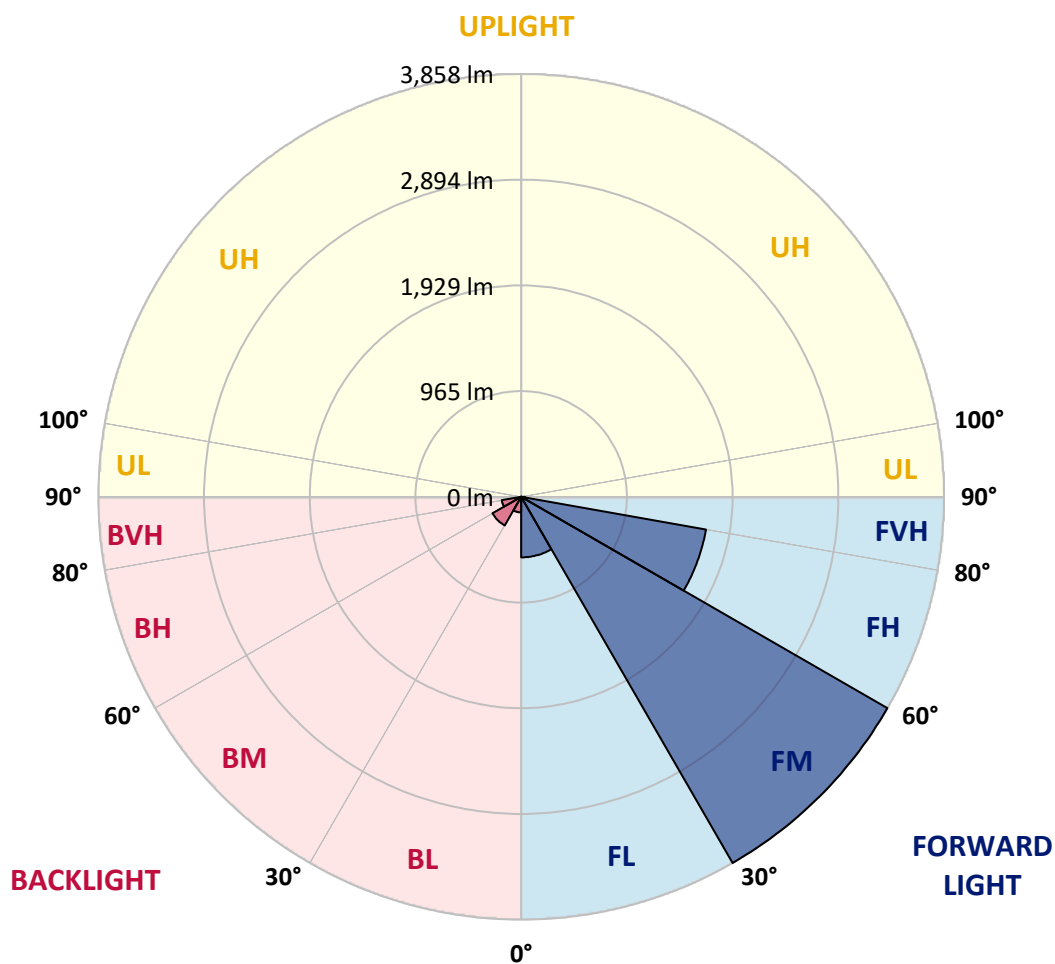
CATALOG NUMBER: PRV-P-70-8540-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	552.6	8.1			
FM	(30°-60°)	3858.3	56.9			
FH	(60°-80°)	1712.4	25.2			G1/1800
FVH	(80°-90°)	33.3	0.5			G1/100
BL	(0°-30°)	142.6	2.1	B1/500		
BM	(30°-60°)	301.9	4.4	B1/1000		
BH	(60°-80°)	180.1	2.7	B1/500		G1/500
BVH	(80°-90°)	4.3	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-G1

Type II Short



REPORT NUMBER: P1502966

CATALOG NUMBER: PRV-P-70-8540-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	915.5	915.5	919.5	911.6	899.7	875.9	862.0	836.3	816.4	814.5	796.6
5°	1048.3	1054.2	1056.2	1048.3	1034.4	1004.7	967.1	913.5	868.0	860.0	822.4
7.5°	1054.2	1058.2	1070.1	1086.0	1095.9	1087.9	1064.2	1008.7	929.4	921.5	858.1
10°	1008.7	1008.7	1020.6	1040.4	1080.0	1119.6	1131.5	1093.9	1004.7	992.8	905.6
12.5°	1020.6	1020.6	1032.4	1044.3	1070.1	1101.8	1171.2	1167.2	1084.0	1072.1	967.1
15°	1064.2	1064.2	1076.0	1091.9	1107.8	1123.6	1179.1	1238.5	1173.1	1163.2	1028.5
17.5°	1105.8	1103.8	1123.6	1153.3	1177.1	1179.1	1208.8	1292.0	1264.3	1256.4	1097.8
20°	1147.4	1151.4	1177.1	1220.7	1262.3	1274.2	1278.2	1341.6	1363.4	1355.5	1181.1
22.5°	1204.9	1210.8	1242.5	1303.9	1357.4	1383.2	1379.2	1399.1	1462.5	1450.6	1260.3
25°	1298.0	1300.0	1357.4	1432.7	1490.2	1521.9	1506.1	1472.4	1549.7	1539.8	1335.6
27.5°	1482.3	1496.2	1537.8	1623.0	1690.4	1694.3	1666.6	1573.4	1623.0	1619.0	1399.1
30°	1973.7	1944.0	1900.4	1888.5	1926.2	1918.3	1874.7	1706.2	1700.3	1694.3	1462.5
32.5°	2514.7	2518.7	2441.4	2286.8	2235.3	2171.9	2100.6	1890.5	1795.4	1795.4	1531.8
35°	3039.9	3008.2	2980.4	2812.0	2625.7	2485.0	2378.0	2112.5	1926.2	1922.2	1621.0
37.5°	3507.6	3479.8	3450.1	3335.2	3113.2	2847.7	2659.4	2378.0	2112.5	2106.5	1728.0
40°	3844.4	3838.5	3820.7	3763.2	3565.0	3257.9	2978.4	2637.6	2332.4	2318.6	1856.8
42.5°	4139.7	4143.7	4139.7	4143.7	4016.8	3681.9	3305.4	2903.1	2536.5	2524.6	2007.4
45°	4371.6	4373.5	4425.1	4468.7	4407.2	4086.2	3624.5	3220.2	2810.0	2802.1	2203.6
47.5°	4149.6	4159.5	4339.9	4621.3	4704.5	4429.0	3959.4	3537.3	3133.0	3135.0	2427.5
50°	3483.8	3535.3	3880.1	4435.0	4781.8	4700.5	4260.6	3886.1	3604.7	3612.6	2780.3
52.5°	2615.8	2669.3	3049.8	3903.9	4549.9	4730.2	4534.1	4256.6	4232.8	4221.0	3137.0
55°	1987.6	2021.3	2395.8	3190.5	3983.2	4433.0	4680.7	4690.6	4930.4	4926.4	3493.7
57.5°	1416.9	1464.5	1767.6	2712.9	3370.8	3888.0	4593.5	5128.6	5641.8	5624.0	3775.1
60°	921.5	925.4	1165.2	2078.8	2944.8	3208.3	4221.0	5344.6	6216.5	6216.5	3983.2
62.5°	590.5	608.4	723.3	1280.2	2227.4	2778.3	3654.2	5217.7	6493.9	6466.2	4068.4
63°	539.0	552.9	661.9	1131.5	2007.4	2689.1	3485.8	5136.5	6501.9	6474.1	4054.5
65°	412.2	420.1	483.5	683.7	1266.3	2072.8	3073.6	4607.4	6390.9	6404.8	3931.6
67.5°	360.7	362.6	398.3	475.6	606.4	1044.3	2425.6	3884.1	6077.8	6131.3	3602.7
70°	332.9	336.9	376.5	408.2	390.4	342.8	1472.4	3228.1	5421.8	5568.5	3180.6
72.5°	285.4	293.3	334.9	382.5	317.1	208.1	545.0	2441.4	4324.0	4466.7	2592.0
75°	229.9	237.8	273.5	323.0	287.3	172.4	170.4	1359.4	2926.9	2917.0	1684.4
77.5°	174.4	180.3	220.0	247.7	253.7	158.5	136.7	584.6	1642.8	1581.4	770.9
80°	120.9	128.8	162.5	180.3	196.2	146.6	114.9	168.4	461.7	437.9	178.4
82.5°	63.4	65.4	103.0	116.9	130.8	120.9	89.2	99.1	87.2	83.2	47.6
85°	21.8	25.8	41.6	47.6	53.5	59.5	55.5	59.5	51.5	49.5	31.7
87.5°	4.0	4.0	5.9	7.9	7.9	7.9	9.9	9.9	7.9	7.9	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: P1502966

CATALOG NUMBER: PRV-P-70-8540-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	786.7	776.8	759.0	741.1	721.3	703.5	689.6	683.7	671.8	669.8	661.9
5°	802.6	780.8	737.2	691.6	650.0	610.4	580.6	550.9	533.1	527.1	529.1
7.5°	824.4	792.7	719.3	644.0	570.7	507.3	455.8	410.2	386.4	376.5	374.5
10°	860.0	812.5	701.5	588.6	483.5	394.4	327.0	287.3	261.6	259.6	253.7
12.5°	909.6	842.2	685.7	525.1	388.4	293.3	239.8	212.0	202.1	198.2	198.2
15°	963.1	877.9	667.8	451.8	299.2	220.0	190.2	184.3	180.3	178.4	178.4
17.5°	1022.5	911.6	632.2	374.5	229.9	182.3	172.4	168.4	164.5	162.5	162.5
20°	1086.0	939.3	586.6	301.2	184.3	164.5	156.6	150.6	146.6	146.6	144.7
22.5°	1141.4	957.1	529.1	231.9	166.5	152.6	144.7	138.7	136.7	134.8	134.8
25°	1193.0	961.1	467.7	186.3	154.6	140.7	130.8	126.8	124.8	124.8	122.9
27.5°	1232.6	953.2	406.2	164.5	142.7	130.8	120.9	116.9	116.9	114.9	114.9
30°	1264.3	937.3	336.9	154.6	134.8	120.9	113.0	111.0	109.0	109.0	109.0
32.5°	1300.0	921.5	275.5	150.6	128.8	114.9	109.0	107.0	105.0	103.0	103.0
35°	1335.6	917.5	241.8	150.6	124.8	113.0	107.0	103.0	101.1	99.1	99.1
37.5°	1377.3	919.5	229.9	154.6	124.8	111.0	105.0	101.1	99.1	95.1	95.1
40°	1434.7	917.5	220.0	154.6	122.9	109.0	103.0	99.1	95.1	91.2	91.2
42.5°	1510.0	937.3	208.1	150.6	120.9	107.0	101.1	95.1	89.2	85.2	85.2
45°	1648.7	996.8	196.2	142.7	116.9	103.0	95.1	89.2	83.2	77.3	77.3
47.5°	1848.9	1133.5	190.2	134.8	111.0	97.1	87.2	79.3	75.3	71.3	71.3
50°	2191.7	1379.2	210.1	122.9	103.0	89.2	79.3	71.3	65.4	61.4	61.4
52.5°	2544.5	1656.7	243.7	114.9	95.1	79.3	69.4	61.4	55.5	51.5	51.5
55°	2861.5	1882.6	245.7	105.0	85.2	71.3	61.4	53.5	45.6	43.6	43.6
57.5°	3140.9	2007.4	221.9	91.2	75.3	63.4	53.5	45.6	37.7	35.7	35.7
60°	3384.7	1985.6	190.2	79.3	65.4	55.5	49.5	41.6	33.7	31.7	33.7
62.5°	3491.7	1922.2	158.5	65.4	57.5	49.5	47.6	41.6	29.7	27.7	27.7
63°	3479.8	1896.5	150.6	63.4	55.5	49.5	47.6	39.6	29.7	27.7	27.7
65°	3384.7	1779.5	116.9	55.5	49.5	45.6	45.6	35.7	27.7	23.8	25.8
67.5°	3111.2	1506.1	85.2	47.6	45.6	41.6	39.6	29.7	19.8	15.9	15.9
70°	2538.5	1050.3	65.4	43.6	41.6	35.7	27.7	21.8	15.9	11.9	11.9
72.5°	1815.2	546.9	57.5	37.7	37.7	27.7	21.8	17.8	13.9	7.9	7.9
75°	1064.2	251.7	51.5	33.7	31.7	21.8	17.8	13.9	9.9	5.9	5.9
77.5°	463.7	113.0	45.6	29.7	23.8	19.8	15.9	11.9	7.9	4.0	2.0
80°	105.0	53.5	35.7	23.8	19.8	15.9	11.9	9.9	5.9	0.0	0.0
82.5°	41.6	35.7	25.8	15.9	11.9	7.9	5.9	5.9	2.0	0.0	0.0
85°	25.8	19.8	11.9	7.9	5.9	4.0	4.0	2.0	0.0	0.0	0.0
87.5°	5.9	4.0	4.0	4.0	2.0	2.0	2.0	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)