

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: P1502965

Luminaire Tested: PRV-P-50-8540-U-T2RE-HSS

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1502965
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T2RE-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4267.3 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

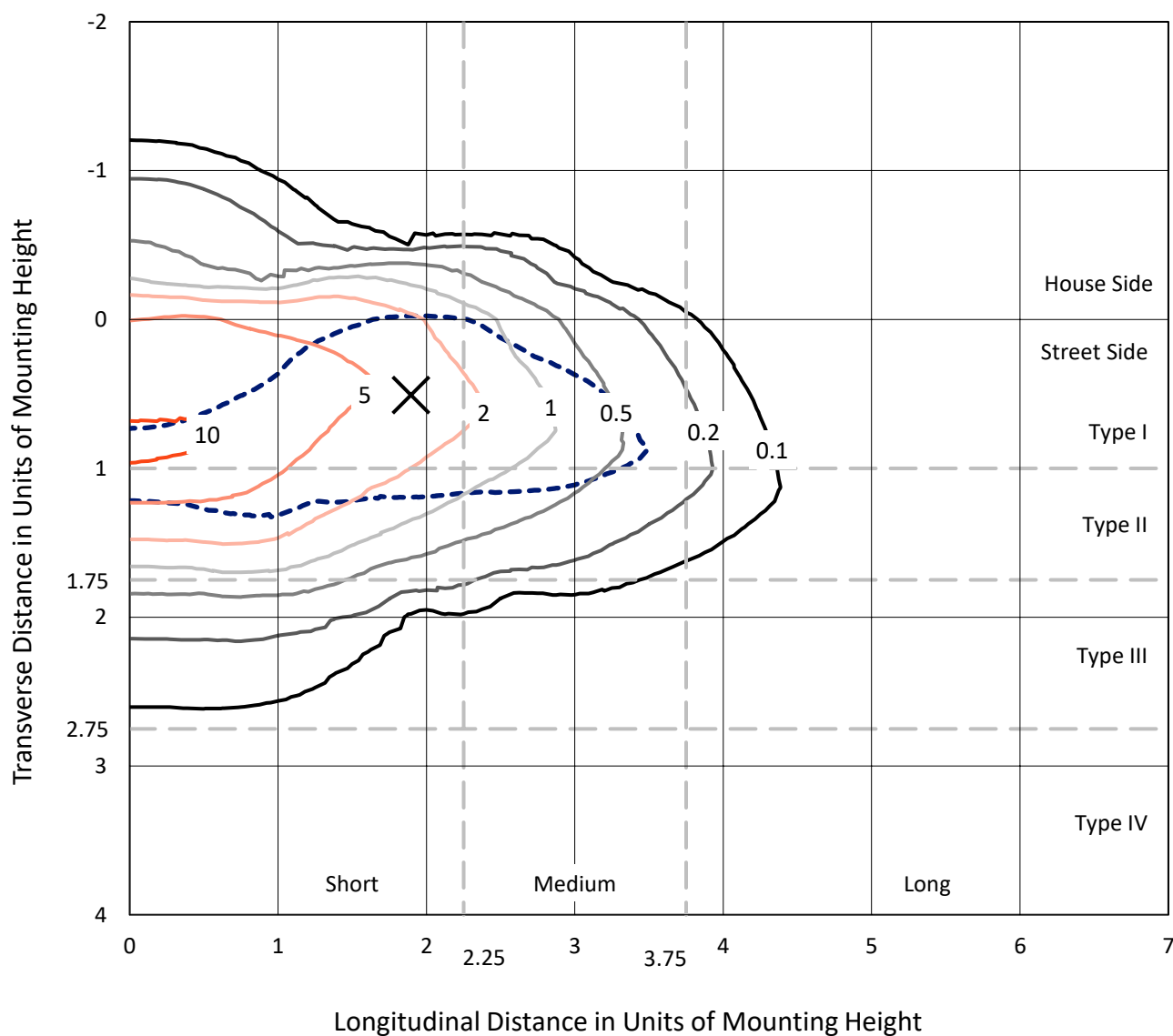
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

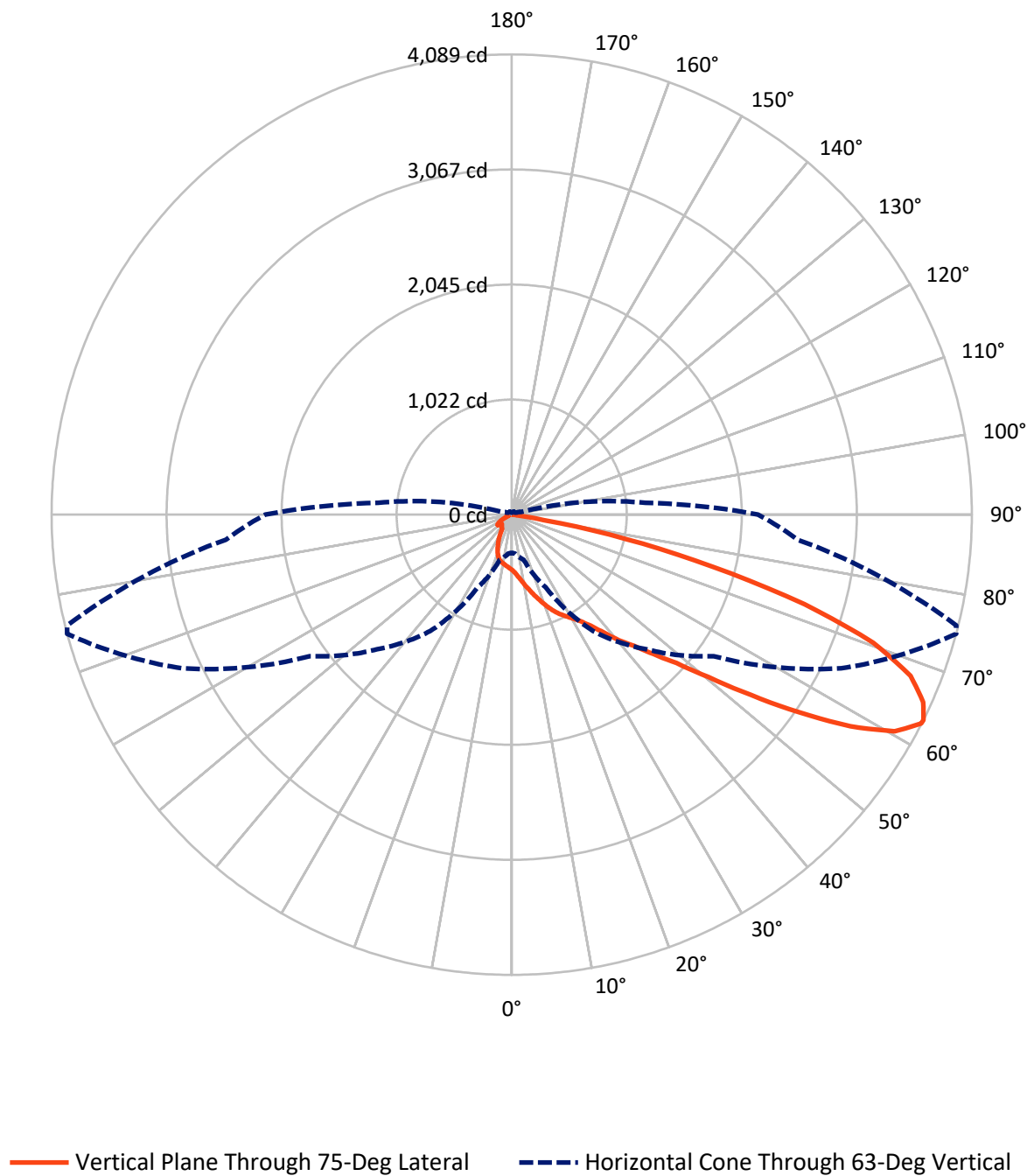


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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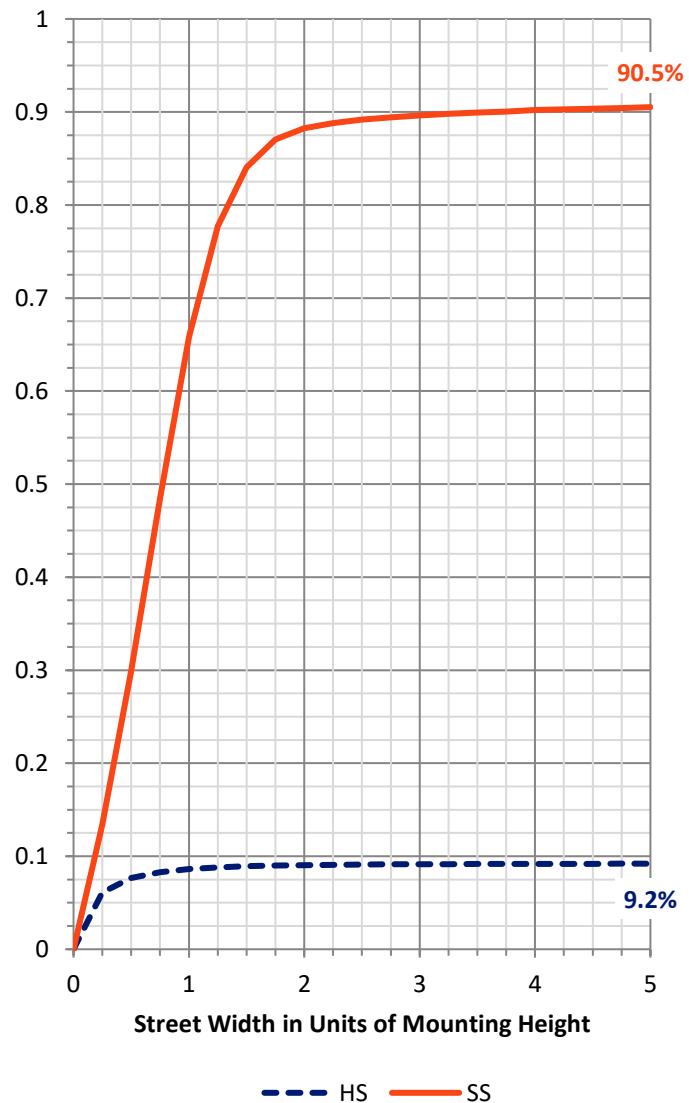
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	395.5	0.0	395.5
	% Fixture	9.3	0.0	9.3
Street Side	Lumens	3871.8	0.0	3871.8
	% Fixture	90.7	0.0	90.7
Total	Lumens	4267.3	0.0	4267.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	1.1
10°-20°	134.0	3.1
20°-30°	256.3	6.0
30°-40°	533.7	12.5
40°-50°	948.9	22.2
50°-60°	1133.7	26.6
60°-70°	875.0	20.5
70°-80°	315.2	7.4
80°-90°	23.6	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°	4267.3	100.0
0°-180°	4267.3	100.0

Coefficient of Utilization



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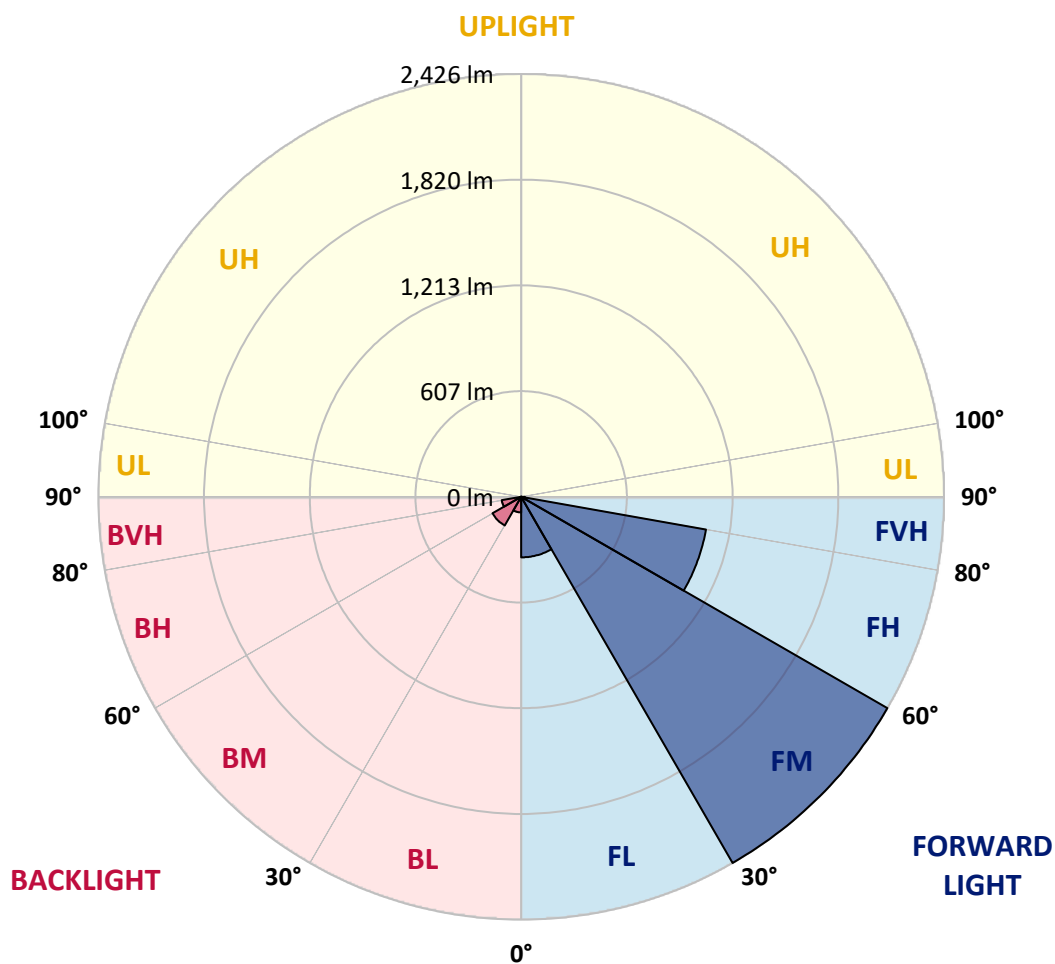
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.5	8.1			
FM	(30°-60°)	2426.4	56.9			
FH	(60°-80°)	1076.9	25.2			G1/1800
FVH	(80°-90°)	21.0	0.5			G1/100
BL	(0°-30°)	89.7	2.1	B0/110		
BM	(30°-60°)	189.8	4.4	B0/220		
BH	(60°-80°)	113.3	2.7	B1/500		G1/500
BVH	(80°-90°)	2.7	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0
2.5°	575.8	575.8	578.3	573.3	565.8	550.8	542.1	525.9	513.5	512.2	501.0
5°	659.3	663.0	664.3	659.3	650.5	631.9	608.2	574.5	545.9	540.9	517.2
7.5°	663.0	665.5	673.0	682.9	689.2	684.2	669.2	634.3	584.5	579.5	539.6
10°	634.3	634.3	641.8	654.3	679.2	704.1	711.6	687.9	631.9	624.4	569.5
12.5°	641.8	641.8	649.3	656.8	673.0	692.9	736.5	734.0	681.7	674.2	608.2
15°	669.2	669.2	676.7	686.7	696.7	706.6	741.5	778.9	737.8	731.6	646.8
17.5°	695.4	694.2	706.6	725.3	740.3	741.5	760.2	812.6	795.1	790.1	690.4
20°	721.6	724.1	740.3	767.7	793.9	801.3	803.8	843.7	857.4	852.4	742.8
22.5°	757.7	761.5	781.4	820.0	853.7	869.9	867.4	879.9	919.7	912.3	792.6
25°	816.3	817.5	853.7	901.0	937.2	957.1	947.2	926.0	974.6	968.3	840.0
27.5°	932.2	940.9	967.1	1020.7	1063.1	1065.5	1048.1	989.5	1020.7	1018.2	879.9
30°	1241.3	1222.6	1195.2	1187.7	1211.4	1206.4	1179.0	1073.0	1069.3	1065.5	919.7
32.5°	1581.5	1584.0	1535.4	1438.2	1405.8	1365.9	1321.0	1188.9	1129.1	1129.1	963.4
35°	1911.8	1891.8	1874.4	1768.4	1651.3	1562.8	1495.5	1328.5	1211.4	1208.9	1019.4
37.5°	2205.9	2188.4	2169.7	2097.4	1957.9	1790.9	1672.5	1495.5	1328.5	1324.8	1086.7
40°	2417.7	2414.0	2402.8	2366.6	2242.0	2048.8	1873.1	1658.8	1466.8	1458.1	1167.7
42.5°	2603.4	2605.9	2603.4	2605.9	2526.2	2315.5	2078.8	1825.8	1595.2	1587.7	1262.5
45°	2749.2	2750.5	2782.9	2810.3	2771.7	2569.8	2279.4	2025.2	1767.2	1762.2	1385.8
47.5°	2609.7	2615.9	2729.3	2906.3	2958.6	2785.4	2490.0	2224.6	1970.3	1971.6	1526.7
50°	2190.9	2223.3	2440.2	2789.1	3007.2	2956.1	2679.5	2443.9	2266.9	2271.9	1748.5
52.5°	1645.1	1678.7	1918.0	2455.1	2861.4	2974.8	2851.4	2677.0	2662.0	2654.5	1972.8
55°	1250.0	1271.2	1506.7	2006.5	2505.0	2787.9	2943.7	2949.9	3100.7	3098.2	2197.1
57.5°	891.1	921.0	1111.7	1706.1	2119.9	2445.2	2888.8	3225.3	3548.1	3536.9	2374.1
60°	579.5	582.0	732.8	1307.3	1851.9	2017.7	2654.5	3361.2	3909.5	3909.5	2505.0
62.5°	371.4	382.6	454.9	805.1	1400.8	1747.3	2298.1	3281.4	4084.0	4066.5	2558.6
63°	339.0	347.7	416.2	711.6	1262.5	1691.2	2192.2	3230.3	4089.0	4071.5	2549.8
65°	259.2	264.2	304.1	430.0	796.4	1303.6	1932.9	2897.5	4019.2	4027.9	2472.6
67.5°	226.8	228.1	250.5	299.1	381.4	656.8	1525.4	2442.7	3822.3	3855.9	2265.7
70°	209.4	211.9	236.8	256.7	245.5	215.6	926.0	2030.2	3409.8	3502.0	2000.2
72.5°	179.5	184.4	210.6	240.5	199.4	130.9	342.7	1535.4	2719.3	2809.1	1630.1
75°	144.6	149.6	172.0	203.1	180.7	108.4	107.2	854.9	1840.7	1834.5	1059.3
77.5°	109.7	113.4	138.3	155.8	159.5	99.7	86.0	367.6	1033.1	994.5	484.8
80°	76.0	81.0	102.2	113.4	123.4	92.2	72.3	105.9	290.4	275.4	112.2
82.5°	39.9	41.1	64.8	73.5	82.3	76.0	56.1	62.3	54.8	52.3	29.9
85°	13.7	16.2	26.2	29.9	33.6	37.4	34.9	37.4	32.4	31.2	19.9
87.5°	2.5	2.5	3.7	5.0	5.0	5.0	6.2	6.2	5.0	5.0	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0
2.5°	494.8	488.5	477.3	466.1	453.6	442.4	433.7	430.0	422.5	421.2	416.2
5°	504.7	491.0	463.6	434.9	408.8	383.8	365.2	346.5	335.2	331.5	332.8
7.5°	518.4	498.5	452.4	405.0	358.9	319.0	286.6	258.0	243.0	236.8	235.5
10°	540.9	511.0	441.2	370.1	304.1	248.0	205.6	180.7	164.5	163.3	159.5
12.5°	572.0	529.7	431.2	330.3	244.3	184.4	150.8	133.3	127.1	124.6	124.6
15°	605.7	552.1	420.0	284.1	188.2	138.3	119.6	115.9	113.4	112.2	112.2
17.5°	643.1	573.3	397.6	235.5	144.6	114.7	108.4	105.9	103.4	102.2	102.2
20°	682.9	590.7	368.9	189.4	115.9	103.4	98.5	94.7	92.2	92.2	91.0
22.5°	717.8	601.9	332.8	145.8	104.7	96.0	91.0	87.2	86.0	84.7	84.7
25°	750.2	604.4	294.1	117.1	97.2	88.5	82.3	79.8	78.5	78.5	77.3
27.5°	775.2	599.4	255.5	103.4	89.7	82.3	76.0	73.5	73.5	72.3	72.3
30°	795.1	589.5	211.9	97.2	84.7	76.0	71.0	69.8	68.5	68.5	68.5
32.5°	817.5	579.5	173.2	94.7	81.0	72.3	68.5	67.3	66.1	64.8	64.8
35°	840.0	577.0	152.0	94.7	78.5	71.0	67.3	64.8	63.6	62.3	62.3
37.5°	866.1	578.3	144.6	97.2	78.5	69.8	66.1	63.6	62.3	59.8	59.8
40°	902.3	577.0	138.3	97.2	77.3	68.5	64.8	62.3	59.8	57.3	57.3
42.5°	949.6	589.5	130.9	94.7	76.0	67.3	63.6	59.8	56.1	53.6	53.6
45°	1036.9	626.9	123.4	89.7	73.5	64.8	59.8	56.1	52.3	48.6	48.6
47.5°	1162.8	712.9	119.6	84.7	69.8	61.1	54.8	49.9	47.4	44.9	44.9
50°	1378.4	867.4	132.1	77.3	64.8	56.1	49.9	44.9	41.1	38.6	38.6
52.5°	1600.2	1041.9	153.3	72.3	59.8	49.9	43.6	38.6	34.9	32.4	32.4
55°	1799.6	1183.9	154.5	66.1	53.6	44.9	38.6	33.6	28.7	27.4	27.4
57.5°	1975.3	1262.5	139.6	57.3	47.4	39.9	33.6	28.7	23.7	22.4	22.4
60°	2128.6	1248.7	119.6	49.9	41.1	34.9	31.2	26.2	21.2	19.9	21.2
62.5°	2195.9	1208.9	99.7	41.1	36.1	31.2	29.9	26.2	18.7	17.4	17.4
63°	2188.4	1192.7	94.7	39.9	34.9	31.2	29.9	24.9	18.7	17.4	17.4
65°	2128.6	1119.1	73.5	34.9	31.2	28.7	28.7	22.4	17.4	15.0	16.2
67.5°	1956.6	947.2	53.6	29.9	28.7	26.2	24.9	18.7	12.5	10.0	10.0
70°	1596.5	660.5	41.1	27.4	26.2	22.4	17.4	13.7	10.0	7.5	7.5
72.5°	1141.6	344.0	36.1	23.7	23.7	17.4	13.7	11.2	8.7	5.0	5.0
75°	669.2	158.3	32.4	21.2	19.9	13.7	11.2	8.7	6.2	3.7	3.7
77.5°	291.6	71.0	28.7	18.7	15.0	12.5	10.0	7.5	5.0	2.5	1.2
80°	66.1	33.6	22.4	15.0	12.5	10.0	7.5	6.2	3.7	0.0	0.0
82.5°	26.2	22.4	16.2	10.0	7.5	5.0	3.7	3.7	1.2	0.0	0.0
85°	16.2	12.5	7.5	5.0	3.7	2.5	2.5	1.2	0.0	0.0	0.0
87.5°	3.7	2.5	2.5	2.5	1.2	1.2	1.2	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)