

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: P1462259

Luminaire Tested: PRV-P-70-8540-U-T3R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462259
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T3R-HSS
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE III 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: 6196.3 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

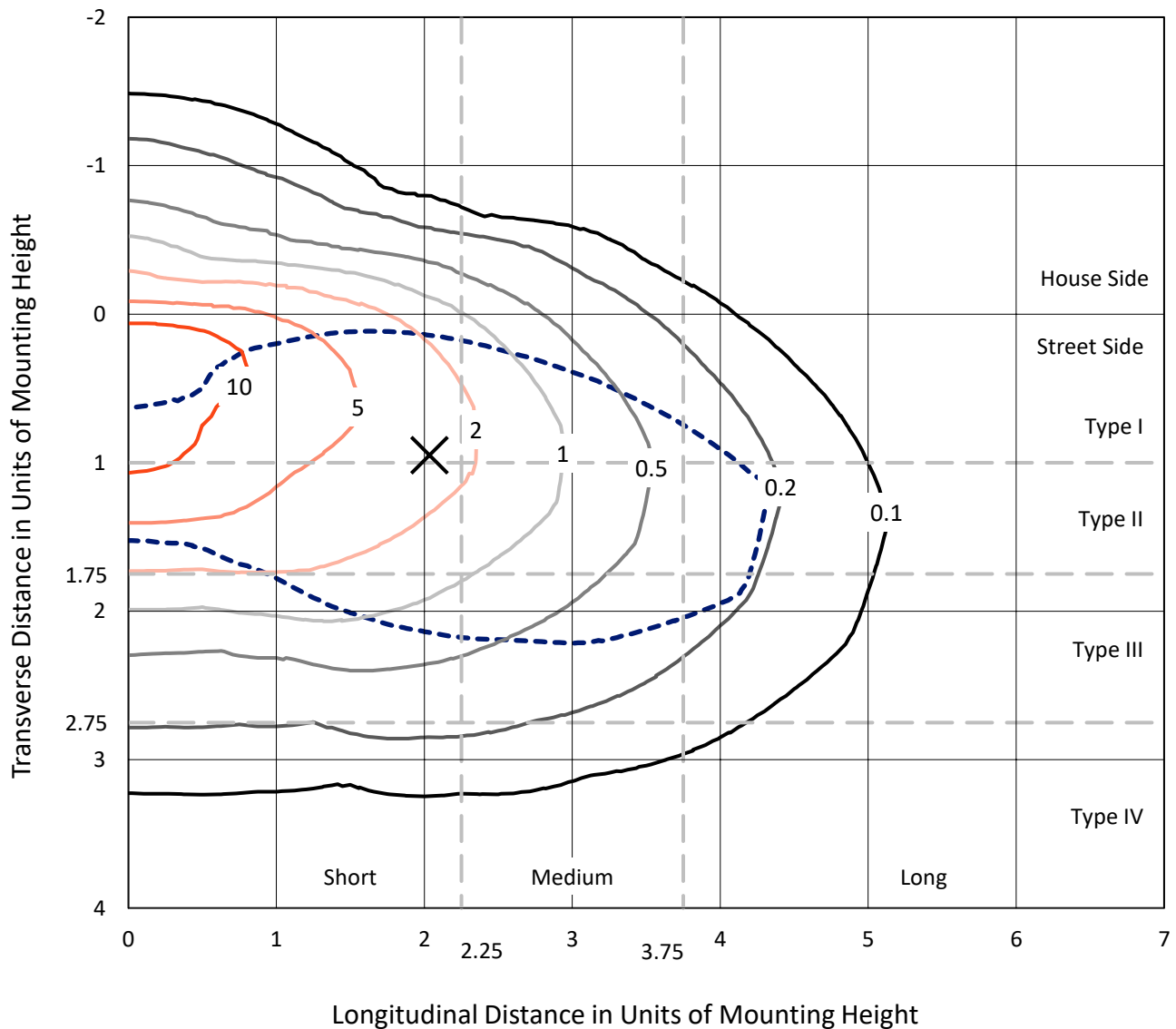
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

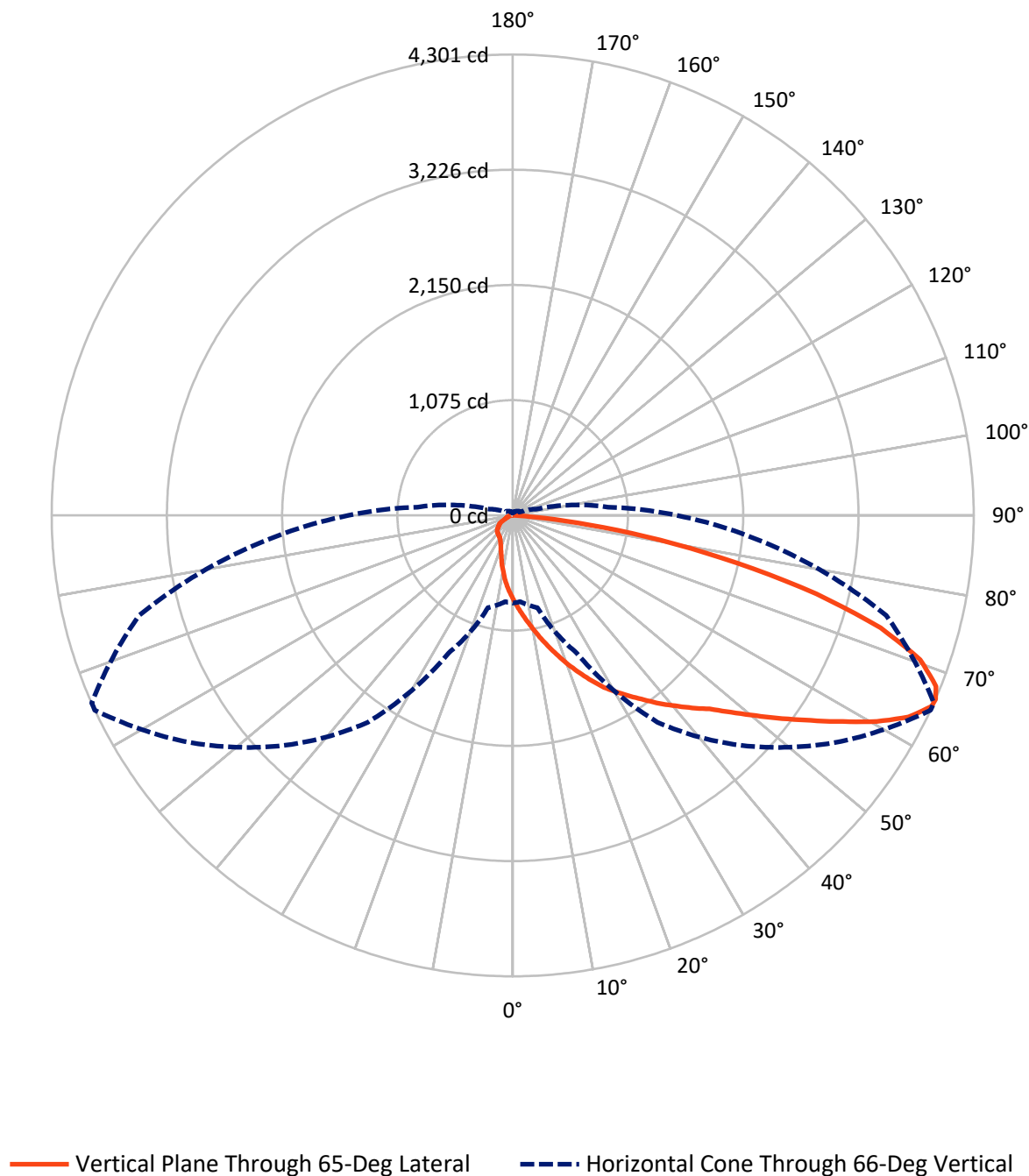


Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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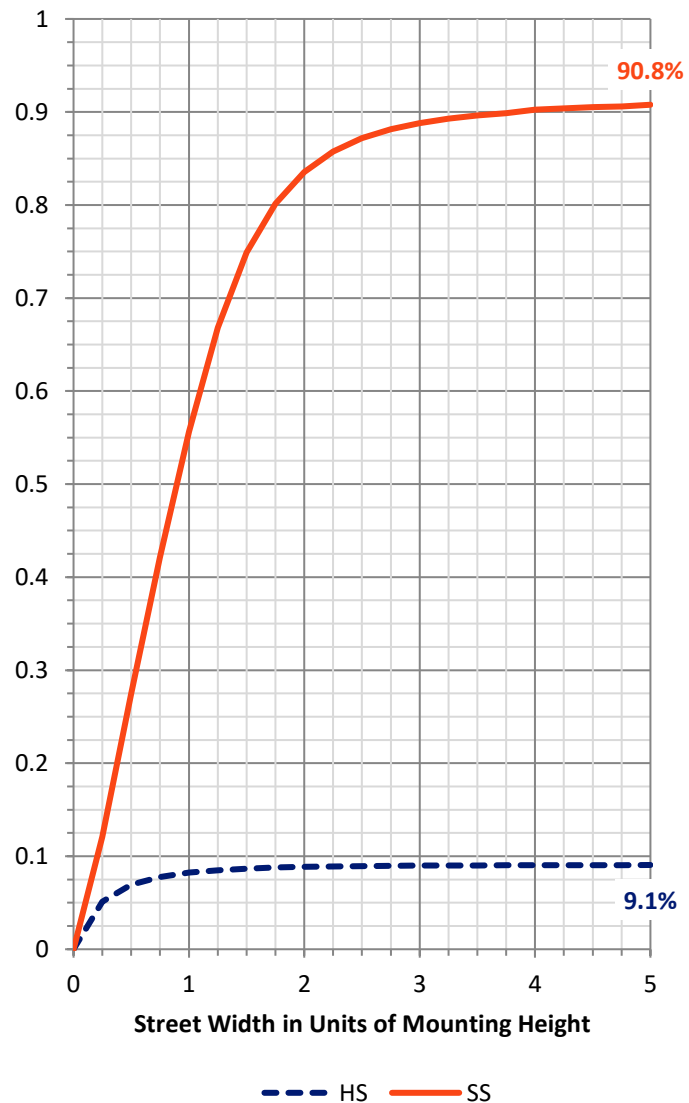
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.3	0.0	565.3
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5631.0	0.0	5631.0
	% Fixture	90.9	0.0	90.9
Total	Lumens	6196.3	0.0	6196.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.2
10°-20°	254.2	4.1
20°-30°	464.1	7.5
30°-40°	725.2	11.7
40°-50°	1090.8	17.6
50°-60°	1383.4	22.3
60°-70°	1327.7	21.4
70°-80°	767.0	12.4
80°-90°	106.8	1.7
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°	6196.3	100.0
0°-180°	6196.3	100.0

Coefficient of Utilization



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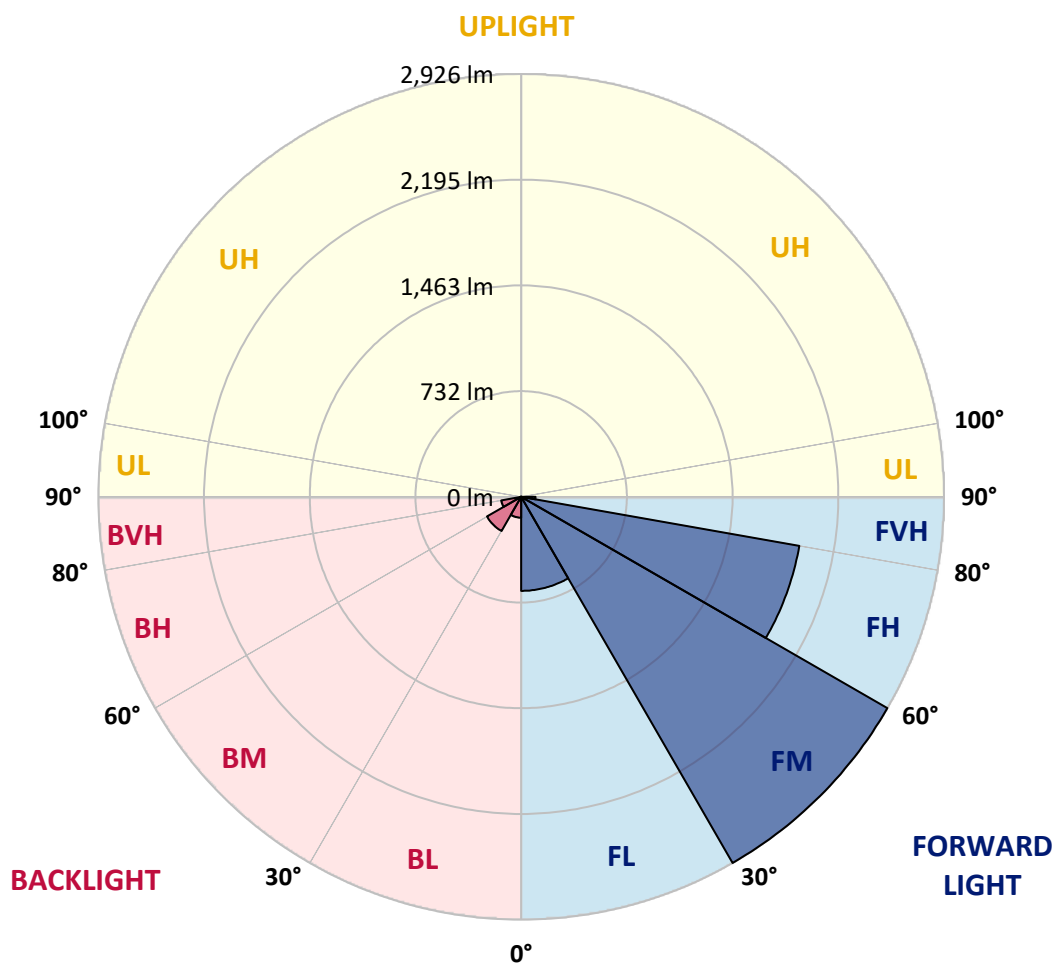
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	650.9	10.5			
FM	(30°-60°)	2926.1	47.2			
FH	(60°-80°)	1954.4	31.5			G2/5000
FVH	(80°-90°)	99.5	1.6			G1/100
BL	(0°-30°)	144.4	2.3	B1/500		
BM	(30°-60°)	273.3	4.4	B1/1000		
BH	(60°-80°)	140.3	2.3	B1/500		G1/500
BVH	(80°-90°)	7.3	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1
2.5°	944.9	942.1	933.7	928.1	911.3	898.7	875.0	851.2	847.0	826.1	800.9
5°	1104.2	1098.6	1105.6	1077.7	1052.5	1018.9	970.0	925.3	914.1	869.4	819.1
7.5°	1280.3	1274.7	1276.1	1242.6	1206.2	1148.9	1076.3	1000.8	986.8	918.3	838.6
10°	1428.5	1434.1	1424.3	1399.1	1354.4	1283.1	1195.1	1087.4	1076.3	978.4	865.2
12.5°	1551.5	1552.9	1558.5	1526.3	1488.6	1414.5	1312.5	1179.7	1158.7	1038.5	893.2
15°	1649.3	1643.7	1645.1	1629.8	1597.6	1531.9	1428.5	1277.5	1259.4	1105.6	925.3
17.5°	1696.9	1696.9	1706.6	1701.0	1688.5	1643.7	1543.1	1378.2	1361.4	1167.1	957.4
20°	1736.0	1737.4	1747.2	1752.8	1757.0	1733.2	1656.3	1487.2	1462.0	1249.6	999.4
22.5°	1782.1	1783.5	1791.9	1800.3	1815.7	1810.1	1758.4	1594.8	1568.3	1337.6	1045.5
25°	1853.4	1853.4	1856.2	1853.4	1868.8	1882.8	1852.0	1706.6	1681.5	1435.5	1100.0
27.5°	1928.9	1942.9	1938.7	1930.3	1930.3	1942.9	1940.1	1818.5	1791.9	1526.3	1155.9
30°	2035.1	2035.1	2033.7	2014.1	2003.0	2001.6	2008.5	1912.1	1888.3	1620.0	1210.4
32.5°	2142.7	2153.9	2148.3	2121.8	2084.0	2058.9	2078.4	2011.3	1987.6	1722.0	1276.1
35°	2229.4	2226.6	2243.4	2214.0	2159.5	2128.8	2159.5	2113.4	2098.0	1842.2	1358.6
37.5°	2381.7	2359.4	2366.4	2292.3	2211.2	2198.6	2239.2	2226.6	2205.6	1968.0	1443.9
40°	2620.8	2622.2	2615.2	2437.7	2292.3	2268.5	2334.2	2335.6	2323.0	2099.4	1537.5
42.5°	2928.3	2928.3	2862.6	2636.1	2440.4	2365.0	2440.4	2455.8	2444.6	2214.0	1611.6
45°	3059.6	3041.5	3010.7	2817.8	2686.4	2493.6	2556.5	2576.0	2571.8	2345.4	1703.8
47.5°	3175.7	3160.3	3094.6	2974.4	2908.7	2662.7	2685.1	2742.4	2732.6	2500.6	1821.3
50°	3207.8	3171.5	3160.3	3089.0	3055.5	2819.2	2838.8	2938.0	2929.7	2665.5	1933.1
52.5°	2971.6	2973.0	3065.2	3140.7	3086.2	2946.4	2992.6	3149.1	3132.3	2844.4	2044.9
55°	2437.7	2489.4	2722.8	3055.5	3087.6	3030.3	3181.2	3375.5	3369.9	3037.3	2141.3
57.5°	1996.0	2004.4	2212.6	2834.6	3023.3	3107.2	3388.1	3629.9	3621.5	3231.6	2235.0
60°	1580.8	1590.6	1736.0	2472.6	2917.1	3171.5	3581.0	3903.9	3898.3	3418.9	2288.1
62.5°	1199.3	1214.6	1347.4	2014.1	2749.3	3186.8	3720.8	4142.9	4124.7	3557.2	2304.9
65°	902.9	909.9	1009.2	1589.2	2492.2	3105.8	3725.0	4295.2	4296.6	3610.4	2253.2
66°	817.7	807.9	891.8	1418.7	2355.2	3038.7	3691.4	4300.8	4299.4	3607.6	2205.6
67.5°	698.9	690.5	766.0	1168.5	2131.5	2884.9	3568.4	4258.9	4264.5	3578.2	2124.6
70°	528.3	532.5	594.0	813.5	1709.4	2515.9	3251.1	4033.9	4050.6	3455.2	1951.2
72.5°	395.6	403.9	455.7	568.9	1188.1	2022.5	2801.1	3588.0	3652.3	3205.0	1687.1
75°	287.9	296.3	336.9	403.9	766.0	1397.7	2261.5	2925.5	2963.2	2703.2	1365.6
77.5°	205.5	211.1	240.4	290.7	437.5	847.0	1552.9	2138.5	2172.1	2113.4	1048.3
80°	104.8	113.2	124.4	152.4	255.8	445.9	884.8	1394.9	1431.3	1401.9	715.6
82.5°	61.5	65.7	75.5	86.7	116.0	201.3	475.2	715.6	764.6	821.9	417.9
85°	25.2	29.4	37.7	46.1	53.1	74.1	137.0	197.1	187.3	204.1	117.4
87.5°	1.4	1.4	2.8	5.6	9.8	11.2	14.0	12.6	11.2	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1
2.5°	786.9	774.3	746.4	721.2	701.7	673.7	659.7	641.6	636.0	623.4	622.0
5°	791.1	764.6	710.1	659.7	609.4	570.3	540.9	511.6	489.2	482.2	483.6
7.5°	799.5	757.6	677.9	596.8	525.5	471.0	429.1	395.6	377.4	370.4	370.4
10°	807.9	750.6	640.2	531.1	444.5	384.4	341.0	314.5	301.9	296.3	296.3
12.5°	821.9	747.8	603.8	475.2	377.4	317.3	287.9	269.8	264.2	258.6	258.6
15°	834.4	745.0	566.1	415.1	321.5	276.8	253.0	241.8	236.2	234.8	233.4
17.5°	851.2	745.0	531.1	366.2	280.9	244.6	227.8	219.4	213.9	213.9	213.9
20°	872.2	746.4	497.6	329.9	255.8	222.2	206.9	199.9	195.7	194.3	194.3
22.5°	900.1	752.0	466.8	297.7	233.4	205.5	187.3	181.7	178.9	177.5	177.5
25°	933.7	761.8	438.9	274.0	216.6	187.3	170.5	164.9	160.7	159.3	159.3
27.5°	967.2	771.6	415.1	254.4	199.9	170.5	155.1	148.2	145.4	142.6	144.0
30°	1002.2	779.9	395.6	241.8	183.1	155.1	141.2	132.8	128.6	128.6	128.6
32.5°	1044.1	789.7	383.0	233.4	170.5	144.0	128.6	118.8	117.4	116.0	116.0
35°	1098.6	819.1	378.8	227.8	160.7	132.8	117.4	107.6	106.2	106.2	106.2
37.5°	1162.9	851.2	384.4	222.2	152.4	124.4	110.4	100.6	99.2	99.2	99.2
40°	1221.6	873.6	391.4	216.6	145.4	116.0	103.4	95.0	93.6	93.6	93.6
42.5°	1259.4	870.8	380.2	211.1	139.8	111.8	97.8	89.5	88.1	88.1	88.1
45°	1315.3	883.4	370.4	206.9	135.6	106.2	93.6	85.3	82.5	83.9	83.9
47.5°	1385.2	908.5	359.2	195.7	132.8	102.0	89.5	81.1	78.3	78.3	78.3
50°	1455.0	929.5	350.8	181.7	130.0	96.4	83.9	75.5	72.7	72.7	72.7
52.5°	1517.9	943.5	343.8	167.7	123.0	90.9	78.3	71.3	68.5	68.5	68.5
55°	1565.5	951.9	332.7	156.5	113.2	85.3	72.7	67.1	62.9	60.1	60.1
57.5°	1611.6	958.8	321.5	145.4	102.0	78.3	68.5	61.5	54.5	53.1	53.1
60°	1631.2	961.6	304.7	127.2	89.5	71.3	62.9	54.5	47.5	44.7	44.7
62.5°	1618.6	943.5	280.9	103.4	79.7	65.7	55.9	47.5	39.1	36.3	37.7
65°	1568.3	909.9	244.6	79.7	71.3	58.7	48.9	40.5	32.1	29.4	29.4
66°	1530.5	891.8	225.0	74.1	68.5	55.9	46.1	37.7	29.4	25.2	23.8
67.5°	1464.8	854.0	197.1	68.5	64.3	51.7	43.3	32.1	22.4	19.6	19.6
70°	1327.8	775.7	149.6	60.1	57.3	46.1	34.9	25.2	16.8	14.0	14.0
72.5°	1132.2	638.8	106.2	53.1	50.3	37.7	29.4	21.0	14.0	9.8	9.8
75°	887.6	459.9	81.1	47.5	41.9	32.1	23.8	16.8	9.8	7.0	7.0
77.5°	623.4	294.9	67.1	41.9	34.9	28.0	19.6	11.2	7.0	4.2	4.2
80°	377.4	164.9	51.7	34.9	30.8	21.0	12.6	7.0	4.2	1.4	1.4
82.5°	205.5	85.3	30.8	25.2	19.6	12.6	7.0	2.8	1.4	0.0	0.0
85°	51.7	26.6	11.2	7.0	5.6	2.8	1.4	1.4	0.0	0.0	0.0
87.5°	4.2	4.2	4.2	4.2	2.8	1.4	1.4	0.0	0.0	0.0	1.4
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)