

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: P1462260

Luminaire Tested: PRV-P-90-8540-U-T3R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462260
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-T3R-HSS
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 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: 7344.3 lumens
Efficiency: N/A
Efficacy: 77.7 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

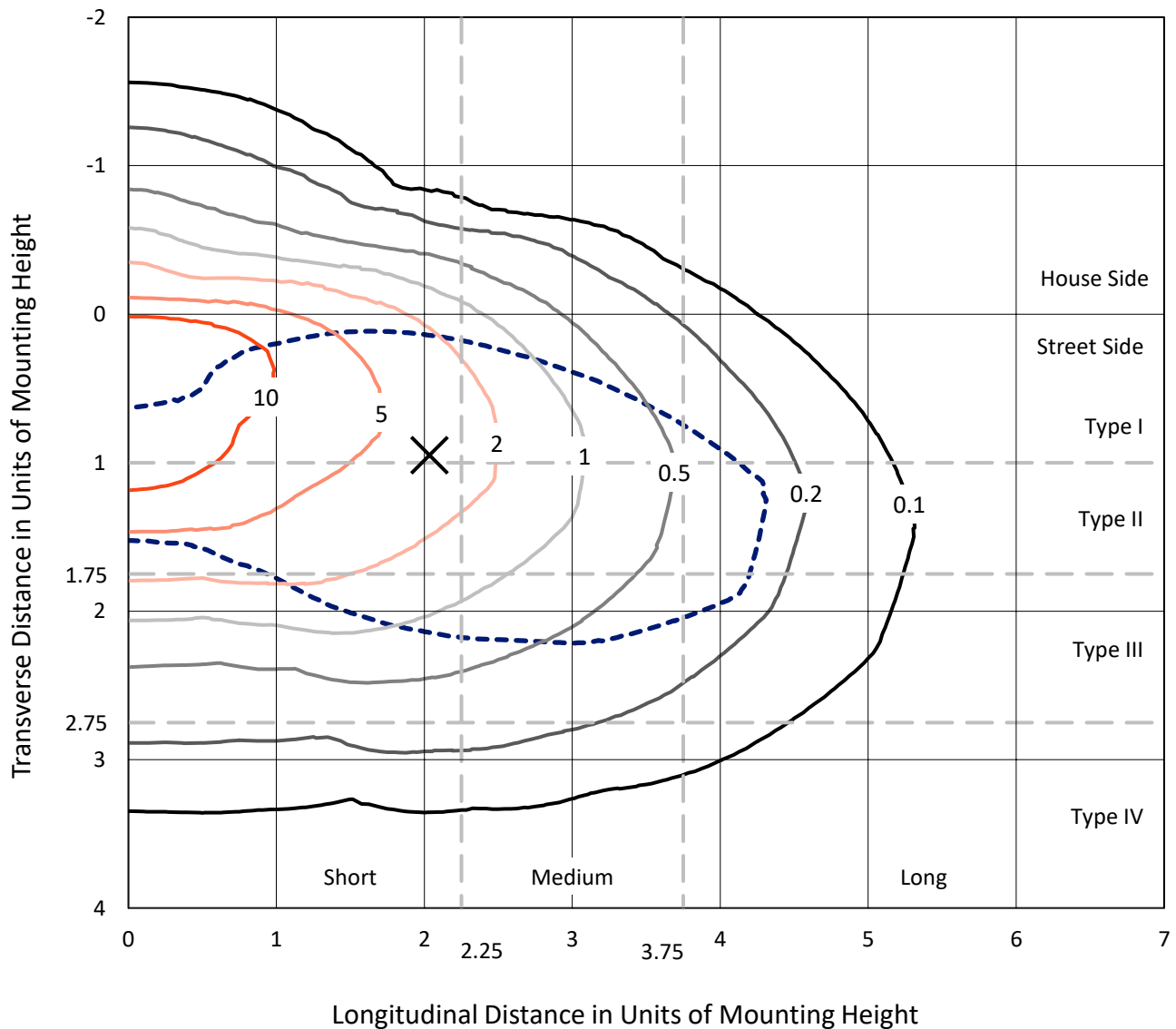
Input Watts (W): 94.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

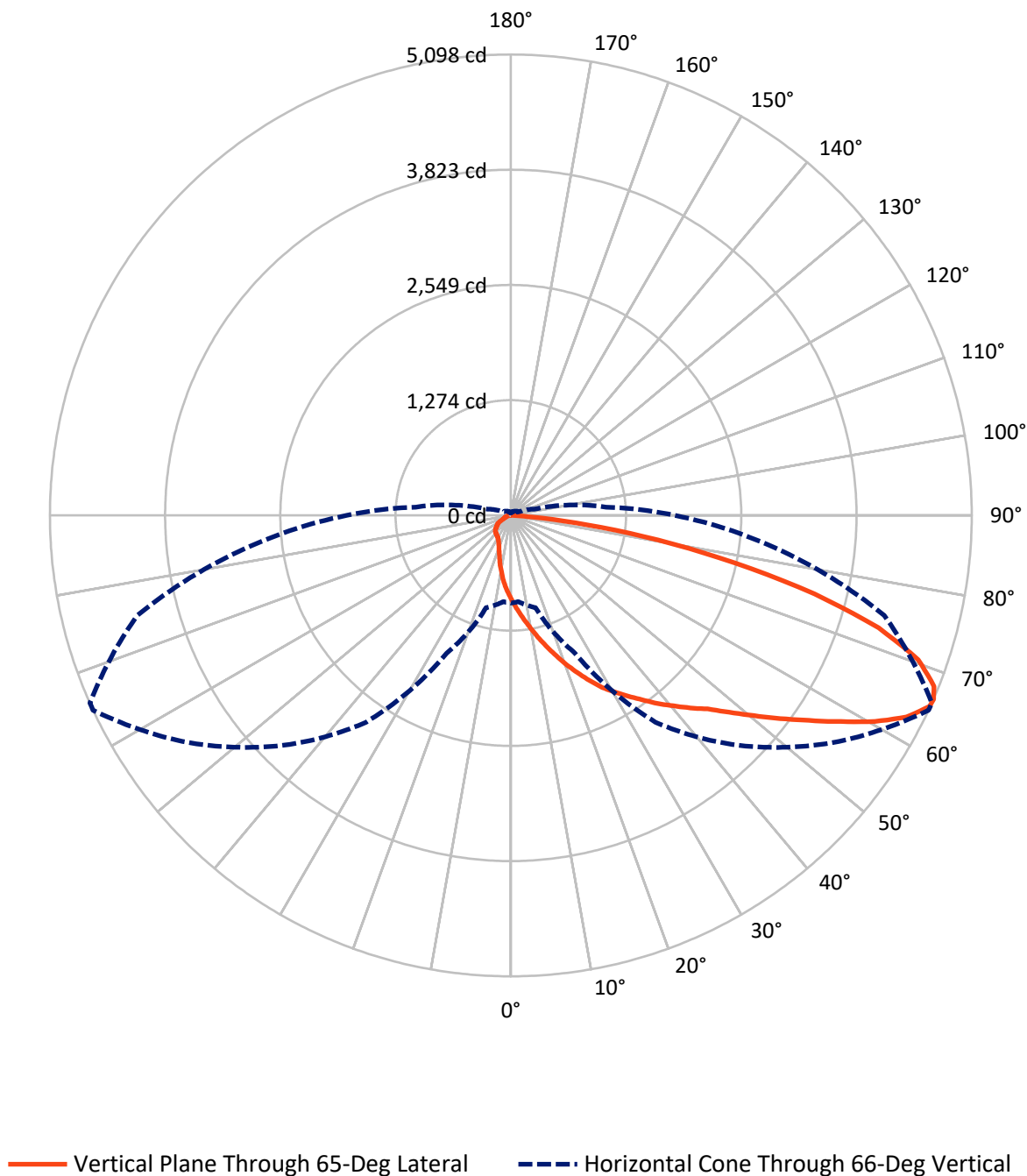


Based on 10 foot mounting height. Maximum calculated value = 17.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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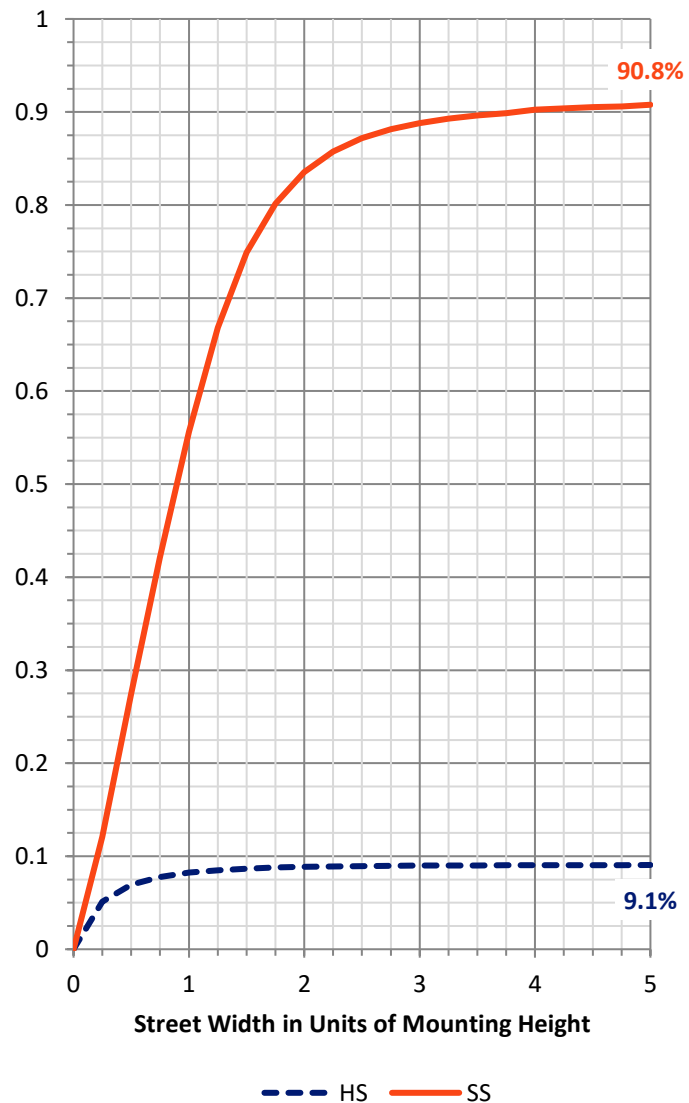
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.0	0.0	670.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	6674.2	0.0	6674.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	7344.3	0.0	7344.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	1.2
10°-20°	301.3	4.1
20°-30°	550.1	7.5
30°-40°	859.5	11.7
40°-50°	1292.9	17.6
50°-60°	1639.7	22.3
60°-70°	1573.6	21.4
70°-80°	909.1	12.4
80°-90°	126.6	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°	7344.3	100.0
0°-180°	7344.3	100.0

Coefficient of Utilization



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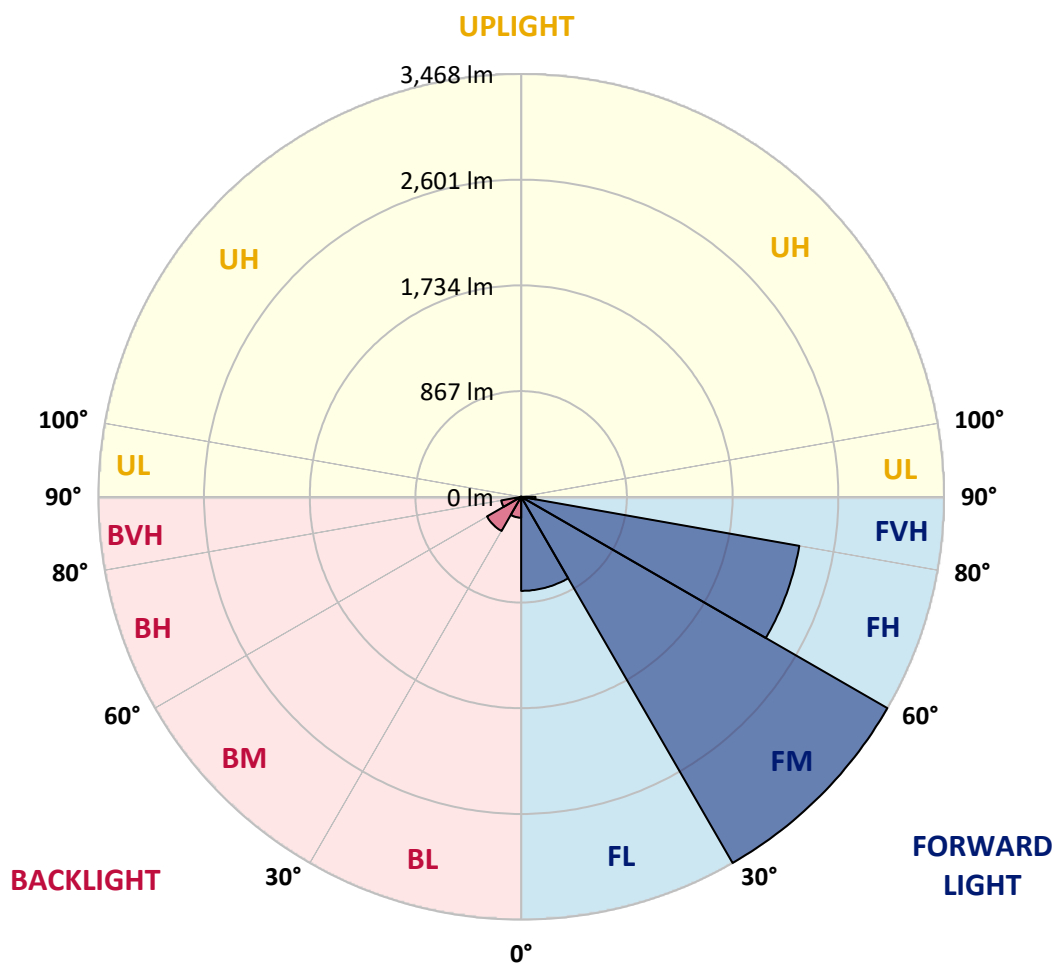
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	771.5	10.5			
FM	(30°-60°)	3468.2	47.2			
FH	(60°-80°)	2316.5	31.5			G2/5000
FVH	(80°-90°)	117.9	1.6			G2/225
BL	(0°-30°)	171.2	2.3	B1/500		
BM	(30°-60°)	323.9	4.4	B1/1000		
BH	(60°-80°)	166.2	2.3	B1/500		G1/500
BVH	(80°-90°)	8.7	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4
2.5°	1119.9	1116.6	1106.7	1100.0	1080.2	1065.2	1037.1	1008.9	1004.0	979.1	949.3
5°	1308.8	1302.2	1310.4	1277.3	1247.5	1207.7	1149.7	1096.7	1083.5	1030.5	970.8
7.5°	1517.5	1510.9	1512.6	1472.8	1429.7	1361.8	1275.6	1186.2	1169.6	1088.4	994.0
10°	1693.1	1699.8	1688.2	1658.3	1605.3	1520.8	1416.5	1288.9	1275.6	1159.7	1025.5
12.5°	1838.9	1840.6	1847.2	1809.1	1764.4	1676.6	1555.6	1398.2	1373.4	1230.9	1058.6
15°	1954.9	1948.3	1949.9	1931.7	1893.6	1815.7	1693.1	1514.2	1492.7	1310.4	1096.7
17.5°	2011.2	2011.2	2022.8	2016.2	2001.3	1948.3	1829.0	1633.5	1613.6	1383.3	1134.8
20°	2057.6	2059.3	2070.9	2077.5	2082.5	2054.3	1963.2	1762.7	1732.9	1481.1	1184.5
22.5°	2112.3	2113.9	2123.9	2133.8	2152.0	2145.4	2084.1	1890.3	1858.8	1585.4	1239.2
25°	2196.8	2196.8	2200.1	2196.8	2215.0	2231.6	2195.1	2022.8	1993.0	1701.4	1303.8
27.5°	2286.2	2302.8	2297.8	2287.9	2287.9	2302.8	2299.5	2155.3	2123.9	1809.1	1370.1
30°	2412.1	2412.1	2410.5	2387.3	2374.0	2372.4	2380.7	2266.3	2238.2	1920.1	1434.7
32.5°	2539.7	2553.0	2546.3	2514.9	2470.1	2440.3	2463.5	2384.0	2355.8	2041.0	1512.6
35°	2642.4	2639.1	2659.0	2624.2	2559.6	2523.1	2559.6	2504.9	2486.7	2183.5	1610.3
37.5°	2823.0	2796.5	2804.8	2717.0	2620.9	2606.0	2654.0	2639.1	2614.3	2332.6	1711.4
40°	3106.3	3107.9	3099.7	2889.3	2717.0	2688.8	2766.7	2768.3	2753.4	2488.3	1822.4
42.5°	3470.8	3470.8	3392.9	3124.5	2892.6	2803.1	2892.6	2910.8	2897.5	2624.2	1910.2
45°	3626.5	3604.9	3568.5	3339.9	3184.2	2955.5	3030.1	3053.3	3048.3	2779.9	2019.5
47.5°	3764.0	3745.8	3667.9	3525.4	3447.6	3156.0	3182.5	3250.4	3238.8	2963.8	2158.7
50°	3802.1	3759.0	3745.8	3661.3	3621.5	3341.5	3364.7	3482.4	3472.4	3159.3	2291.2
52.5°	3522.1	3523.8	3633.1	3722.6	3658.0	3492.3	3547.0	3732.5	3712.6	3371.4	2423.7
55°	2889.3	2950.6	3227.2	3621.5	3659.6	3591.7	3770.6	4000.9	3994.3	3600.0	2538.0
57.5°	2365.7	2375.7	2622.5	3359.8	3583.4	3682.8	4015.8	4302.4	4292.5	3830.3	2649.0
60°	1873.7	1885.3	2057.6	2930.7	3457.5	3759.0	4244.4	4627.1	4620.5	4052.3	2712.0
62.5°	1421.4	1439.7	1597.0	2387.3	3258.7	3777.2	4410.1	4910.4	4888.9	4216.3	2731.9
65°	1070.2	1078.5	1196.1	1883.7	2953.9	3681.2	4415.1	5091.0	5092.7	4279.2	2670.6
66°	969.2	957.6	1057.0	1681.5	2791.5	3601.6	4375.3	5097.6	5096.0	4275.9	2614.3
67.5°	828.3	818.4	907.9	1385.0	2526.4	3419.4	4229.5	5047.9	5054.6	4241.1	2518.2
70°	626.2	631.2	704.1	964.2	2026.1	2982.0	3853.5	4781.2	4801.1	4095.3	2312.7
72.5°	468.8	478.8	540.1	674.3	1408.2	2397.2	3320.0	4252.7	4328.9	3798.8	1999.6
75°	341.3	351.2	399.3	478.8	907.9	1656.7	2680.5	3467.4	3512.2	3204.0	1618.6
77.5°	243.5	250.2	285.0	344.6	518.5	1004.0	1840.6	2534.7	2574.5	2504.9	1242.5
80°	124.3	134.2	147.4	180.6	303.2	528.5	1048.7	1653.4	1696.4	1661.7	848.2
82.5°	72.9	77.9	89.5	102.7	137.5	238.6	563.3	848.2	906.2	974.1	495.3
85°	29.8	34.8	44.7	54.7	63.0	87.8	162.4	233.6	222.0	241.9	139.2
87.5°	1.7	1.7	3.3	6.6	11.6	13.3	16.6	14.9	13.3	9.9	6.6
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°	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4	929.4
2.5°	932.7	917.8	884.7	854.9	831.7	798.5	782.0	760.4	753.8	738.9	737.2
5°	937.7	906.2	841.6	782.0	722.3	675.9	641.1	606.3	579.8	571.6	573.2
7.5°	947.6	897.9	803.5	707.4	622.9	558.3	508.6	468.8	447.3	439.0	439.0
10°	957.6	889.6	758.8	629.5	526.8	455.6	404.2	372.8	357.8	351.2	351.2
12.5°	974.1	886.3	715.7	563.3	447.3	376.1	341.3	319.7	313.1	306.5	306.5
15°	989.0	883.0	671.0	492.0	381.0	328.0	299.9	286.6	280.0	278.3	276.7
17.5°	1008.9	883.0	629.5	434.1	333.0	289.9	270.0	260.1	253.5	253.5	253.5
20°	1033.8	884.7	589.8	391.0	303.2	263.4	245.2	236.9	231.9	230.3	230.3
22.5°	1066.9	891.3	553.3	352.9	276.7	243.5	222.0	215.4	212.1	210.4	210.4
25°	1106.7	902.9	520.2	324.7	256.8	222.0	202.1	195.5	190.5	188.9	188.9
27.5°	1146.4	914.5	492.0	301.5	236.9	202.1	183.9	175.6	172.3	169.0	170.6
30°	1187.8	924.4	468.8	286.6	217.0	183.9	167.3	157.4	152.4	152.4	152.4
32.5°	1237.5	936.0	453.9	276.7	202.1	170.6	152.4	140.8	139.2	137.5	137.5
35°	1302.2	970.8	449.0	270.0	190.5	157.4	139.2	127.6	125.9	125.9	125.9
37.5°	1378.4	1008.9	455.6	263.4	180.6	147.4	130.9	119.3	117.6	117.6	117.6
40°	1447.9	1035.4	463.9	256.8	172.3	137.5	122.6	112.7	111.0	111.0	111.0
42.5°	1492.7	1032.1	450.6	250.2	165.7	132.5	116.0	106.0	104.4	104.4	104.4
45°	1558.9	1047.0	439.0	245.2	160.7	125.9	111.0	101.1	97.7	99.4	99.4
47.5°	1641.8	1076.8	425.8	231.9	157.4	120.9	106.0	96.1	92.8	92.8	92.8
50°	1724.6	1101.7	415.8	215.4	154.1	114.3	99.4	89.5	86.1	86.1	86.1
52.5°	1799.2	1118.3	407.5	198.8	145.8	107.7	92.8	84.5	81.2	81.2	81.2
55°	1855.5	1128.2	394.3	185.5	134.2	101.1	86.1	79.5	74.6	71.2	71.2
57.5°	1910.2	1136.5	381.0	172.3	120.9	92.8	81.2	72.9	64.6	63.0	63.0
60°	1933.4	1139.8	361.2	150.8	106.0	84.5	74.6	64.6	56.3	53.0	53.0
62.5°	1918.4	1118.3	333.0	122.6	94.4	77.9	66.3	56.3	46.4	43.1	44.7
65°	1858.8	1078.5	289.9	94.4	84.5	69.6	58.0	48.0	38.1	34.8	34.8
66°	1814.1	1057.0	266.7	87.8	81.2	66.3	54.7	44.7	34.8	29.8	28.2
67.5°	1736.2	1012.2	233.6	81.2	76.2	61.3	51.4	38.1	26.5	23.2	23.2
70°	1573.9	919.5	177.3	71.2	67.9	54.7	41.4	29.8	19.9	16.6	16.6
72.5°	1341.9	757.1	125.9	63.0	59.6	44.7	34.8	24.9	16.6	11.6	11.6
75°	1052.0	545.0	96.1	56.3	49.7	38.1	28.2	19.9	11.6	8.3	8.3
77.5°	738.9	349.6	79.5	49.7	41.4	33.1	23.2	13.3	8.3	5.0	5.0
80°	447.3	195.5	61.3	41.4	36.4	24.9	14.9	8.3	5.0	1.7	1.7
82.5°	243.5	101.1	36.4	29.8	23.2	14.9	8.3	3.3	1.7	0.0	0.0
85°	61.3	31.5	13.3	8.3	6.6	3.3	1.7	1.7	0.0	0.0	0.0
87.5°	5.0	5.0	5.0	5.0	3.3	1.7	1.7	0.0	0.0	0.0	1.7
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)