

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: P1462311

Luminaire Tested: PRV-P-70-8540-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462311
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-5WQ
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE V
SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9232.9 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

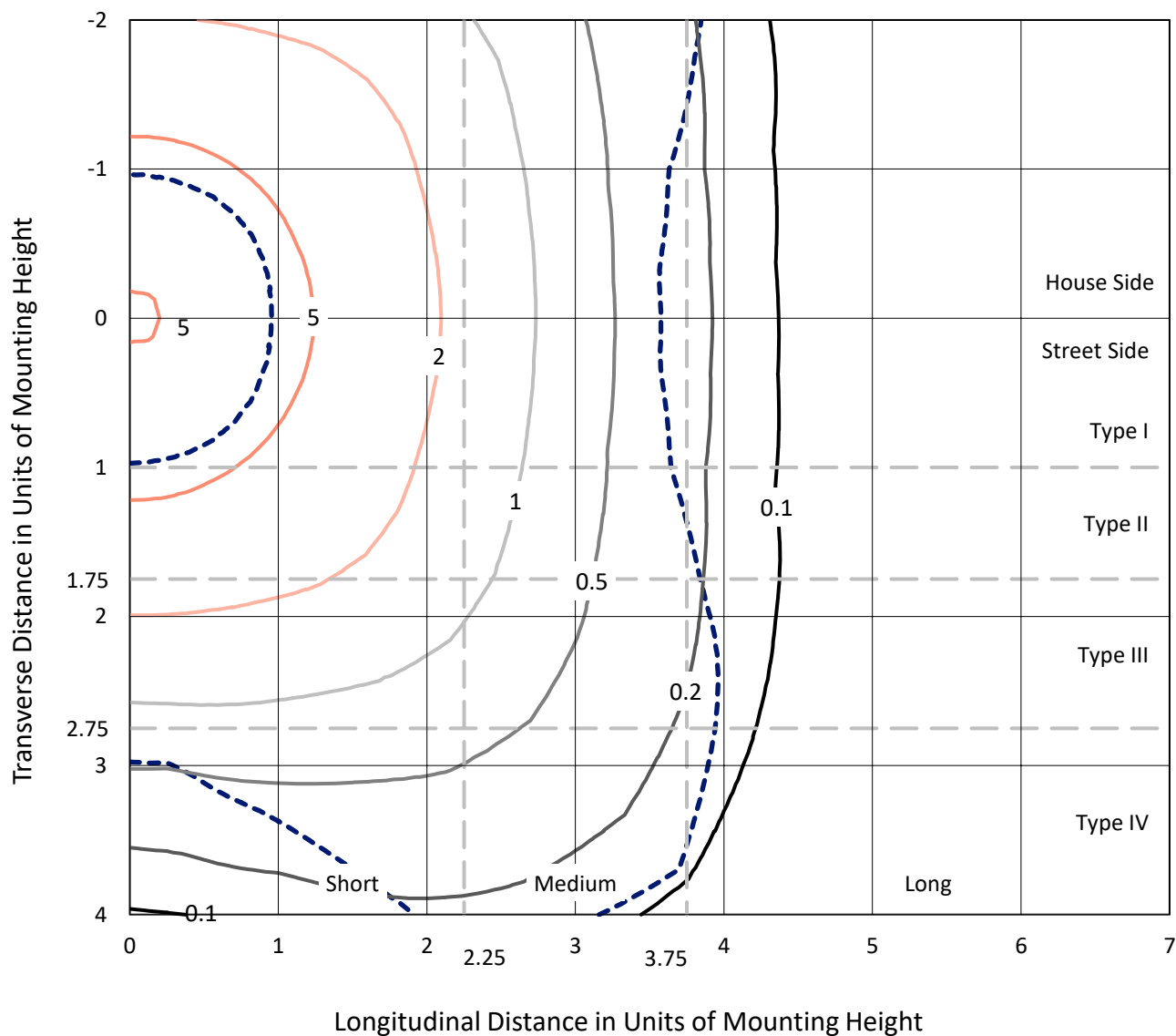
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

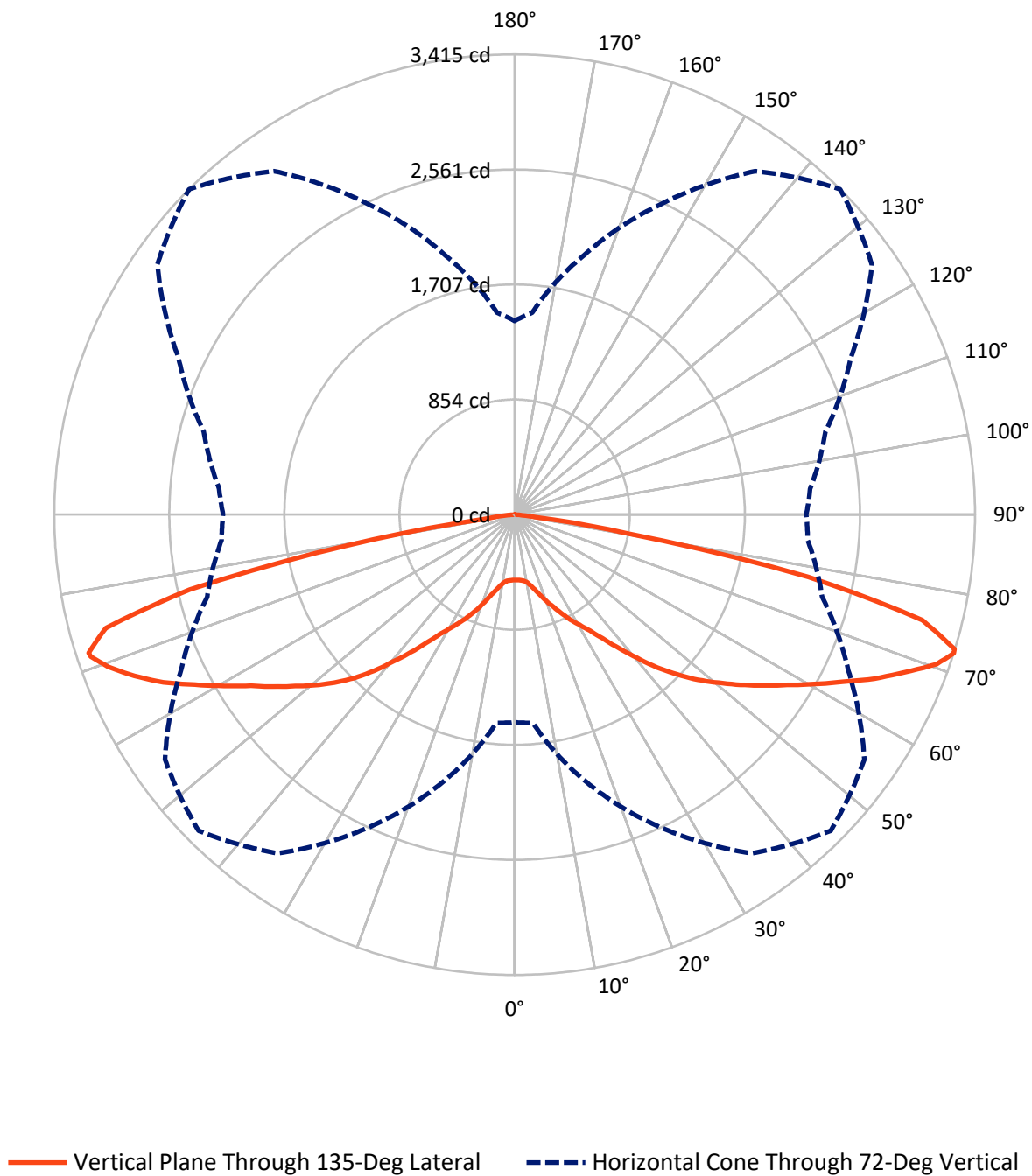


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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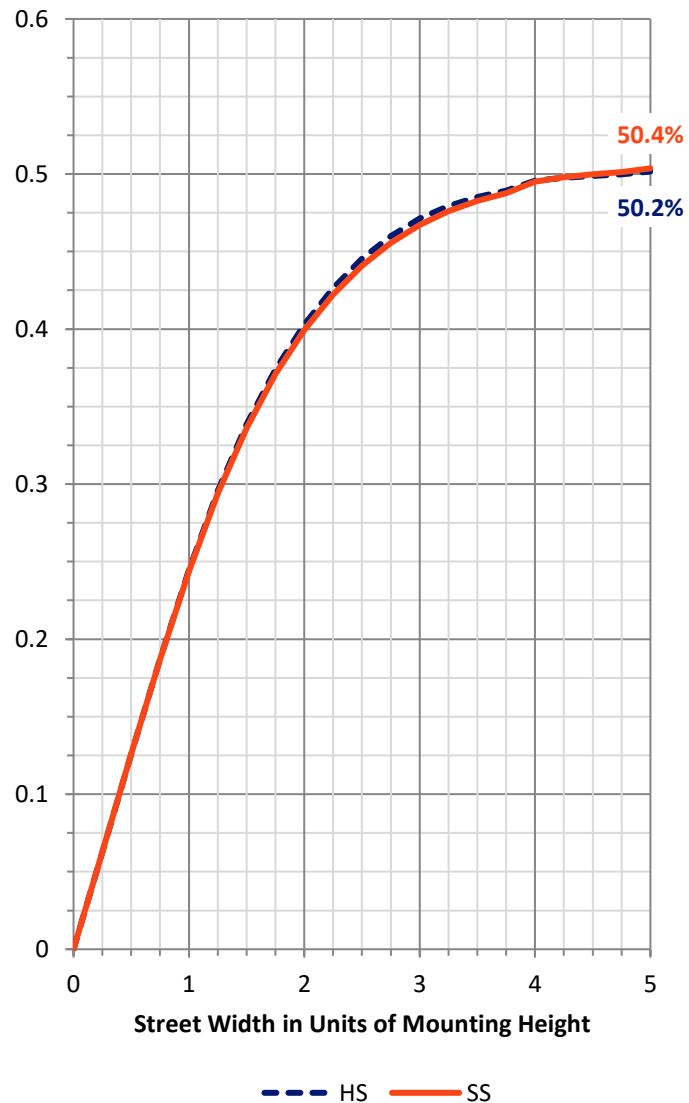
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4597.1	0.0	4597.1
	% Fixture	49.8	0.0	49.8
Street Side	Lumens	4635.8	0.0	4635.8
	% Fixture	50.2	0.0	50.2
Total	Lumens	9232.9	0.0	9232.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	0.5
10°-20°	169.3	1.8
20°-30°	373.5	4.0
30°-40°	731.5	7.9
40°-50°	1327.5	14.4
50°-60°	1950.6	21.1
60°-70°	2573.0	27.9
70°-80°	1952.4	21.1
80°-90°	107.8	1.2
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°	9232.9	100.0
0°-180°	9232.9	100.0

Coefficient of Utilization



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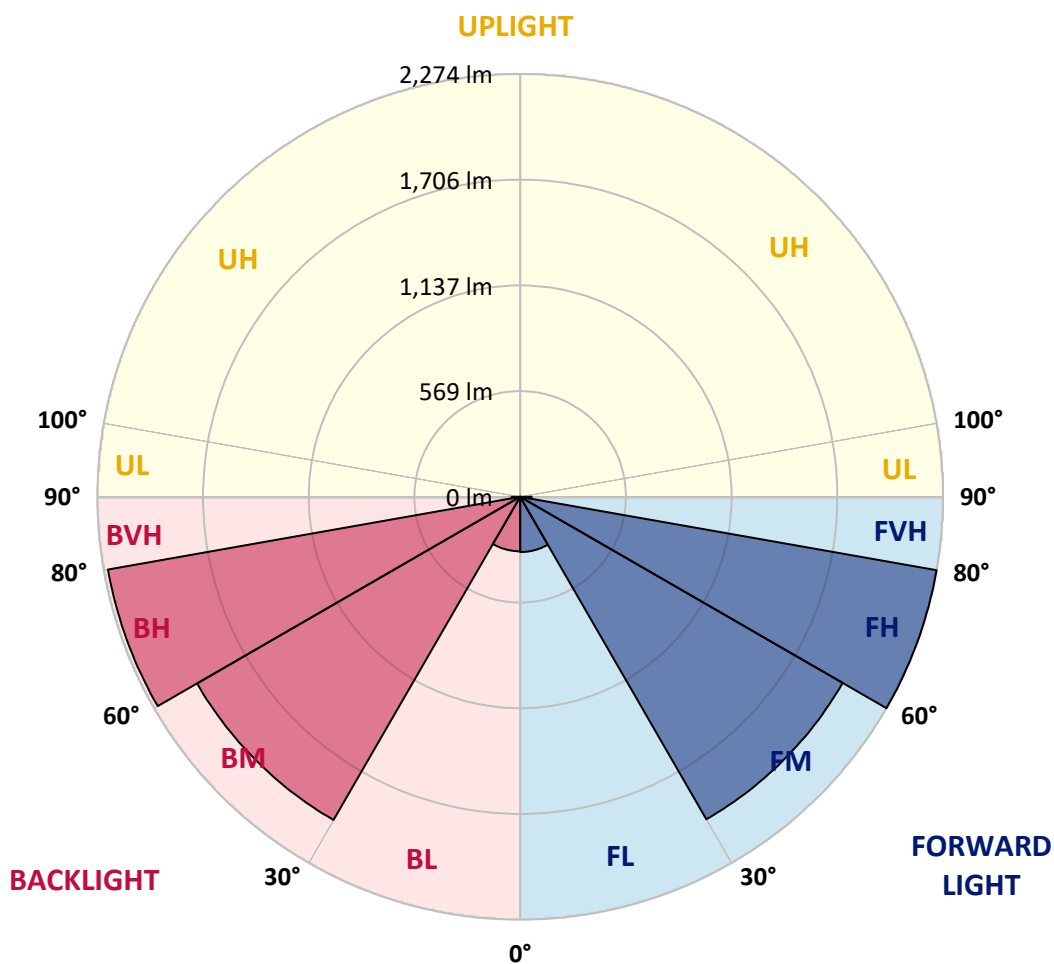
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.1	3.2			
FM	(30°-60°)	2002.7	21.7			
FH	(60°-80°)	2274.3	24.6			G2/5000
FVH	(80°-90°)	61.7	0.7			G1/100
BL	(0°-30°)	293.0	3.2	B1/500		
BM	(30°-60°)	2006.9	21.7	B2/2500		
BH	(60°-80°)	2251.2	24.4	B3/2500		G2/5000
BVH	(80°-90°)	46.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	486.4	487.8	487.8	487.8	487.8	486.4	486.4	486.4	485.0	485.0	486.4
5°	490.6	490.6	492.0	492.0	490.6	490.6	489.2	487.8	486.4	485.0	486.4
7.5°	500.4	497.6	499.0	499.0	497.6	496.2	494.8	492.0	492.0	492.0	492.0
10°	518.6	518.6	518.6	517.2	517.2	514.4	511.6	508.8	511.6	511.6	513.0
12.5°	552.1	552.1	552.1	550.7	546.5	545.1	542.3	538.1	539.5	540.9	539.5
15°	595.4	595.4	595.4	591.2	592.6	587.0	581.5	577.3	578.7	578.7	577.3
17.5°	648.5	647.1	645.7	641.6	641.6	636.0	629.0	622.0	619.2	617.8	617.8
20°	697.5	694.7	698.9	698.9	703.1	698.9	686.3	672.3	665.3	661.1	661.1
22.5°	739.4	745.0	746.4	754.8	764.6	764.6	745.0	728.2	712.8	704.5	703.1
25°	800.9	803.7	806.5	810.7	828.8	830.2	806.5	785.5	772.9	772.9	772.9
27.5°	862.4	862.4	869.4	877.8	894.5	897.3	875.0	851.2	847.0	844.2	842.8
30°	926.7	926.7	940.7	954.6	963.0	965.8	947.7	929.5	925.3	921.1	922.5
32.5°	1007.8	1014.7	1032.9	1046.9	1048.3	1044.1	1044.1	1028.7	1016.1	1024.5	1021.7
35°	1132.2	1134.9	1143.3	1151.7	1155.9	1151.7	1147.5	1141.9	1139.1	1143.3	1139.1
37.5°	1274.7	1277.5	1283.1	1274.7	1276.1	1277.5	1284.5	1290.1	1291.5	1291.5	1290.1
40°	1411.7	1420.1	1420.1	1414.5	1413.1	1407.5	1420.1	1435.5	1450.8	1453.6	1449.4
42.5°	1572.4	1568.2	1575.2	1564.0	1552.9	1558.5	1566.8	1585.0	1600.4	1611.6	1613.0
45°	1722.0	1724.8	1726.2	1701.0	1692.6	1699.6	1703.8	1719.2	1744.4	1761.1	1752.7
47.5°	1846.4	1847.8	1849.2	1835.2	1829.6	1826.8	1831.0	1836.6	1857.6	1868.8	1872.9
50°	1937.2	1942.8	1951.2	1945.6	1944.2	1947.0	1948.4	1954.0	1968.0	1975.0	1976.4
52.5°	2026.7	2032.3	2049.1	2042.1	2057.4	2065.8	2065.8	2058.8	2065.8	2070.0	2068.6
55°	2105.0	2110.6	2142.7	2149.7	2176.3	2194.4	2188.8	2159.5	2167.9	2158.1	2160.9
57.5°	2179.0	2187.4	2225.2	2250.3	2313.2	2331.4	2317.4	2272.7	2254.5	2251.7	2248.9
60°	2208.4	2218.2	2275.5	2367.7	2458.6	2501.9	2461.4	2376.1	2338.4	2328.6	2331.4
62.5°	2214.0	2226.6	2302.0	2441.8	2619.3	2685.0	2629.1	2497.7	2432.0	2416.7	2411.1
65°	2212.6	2222.4	2313.2	2510.3	2768.9	2887.7	2823.4	2640.3	2538.3	2517.3	2524.3
67.5°	2215.4	2229.4	2337.0	2560.6	2904.5	3062.4	2975.7	2770.3	2636.1	2592.8	2595.6
70°	1998.7	2071.4	2338.4	2623.5	3012.1	3220.3	3115.5	2830.4	2585.8	2457.2	2461.4
72°	1540.3	1550.1	2051.9	2559.2	3066.6	3315.4	3165.8	2729.7	2360.7	2181.8	2162.3
72.5°	1374.0	1439.7	1969.4	2529.9	3066.6	3322.4	3144.9	2675.2	2276.9	2117.5	2099.4
75°	844.2	914.1	1362.8	2072.8	2856.9	3146.3	2771.7	2191.6	1705.2	1527.7	1530.5
77.5°	346.6	377.4	749.2	1589.2	2223.8	2472.6	2028.1	1450.8	960.2	799.5	779.9
80°	79.7	85.3	125.8	528.3	1128.0	1274.7	852.6	483.6	322.9	220.8	208.3
82.5°	41.9	44.7	57.3	103.4	155.1	213.9	188.7	137.0	149.6	125.8	121.6
85°	14.0	14.0	18.2	28.0	37.7	47.5	54.5	67.1	64.3	48.9	46.1
87.5°	1.4	1.4	2.8	4.2	4.2	4.2	4.2	2.8	2.8	2.8	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	486.4	485.0	485.0	486.4	486.4	486.4	486.4	486.4	486.4	486.4
5°	486.4	486.4	485.0	486.4	489.2	489.2	489.2	489.2	487.8	487.8
7.5°	492.0	490.6	490.6	493.4	496.2	496.2	496.2	496.2	496.2	494.8
10°	511.6	510.2	508.8	513.0	511.6	514.4	514.4	514.4	513.0	514.4
12.5°	539.5	538.1	538.1	539.5	542.3	540.9	543.7	545.1	546.5	546.5
15°	577.3	573.1	573.1	577.3	582.8	584.2	581.5	585.6	585.6	585.6
17.5°	619.2	619.2	617.8	622.0	633.2	631.8	627.6	630.4	631.8	634.6
20°	661.1	663.9	668.1	680.7	690.5	684.9	682.1	682.1	676.5	677.9
22.5°	707.2	712.8	721.2	736.6	746.4	745.0	735.2	725.4	719.8	718.4
25°	771.5	770.1	777.1	796.7	812.1	806.5	792.5	781.3	777.1	775.7
27.5°	842.8	842.8	845.6	863.8	883.4	870.8	856.8	847.0	837.2	837.2
30°	922.5	915.5	926.7	939.3	947.7	939.3	930.9	912.7	901.5	897.3
32.5°	1018.9	1018.9	1013.3	1020.3	1025.9	1028.7	1018.9	1002.2	992.4	988.2
35°	1141.9	1137.7	1130.8	1130.8	1128.0	1134.9	1133.6	1130.8	1119.6	1119.6
37.5°	1292.9	1285.9	1271.9	1264.9	1256.6	1256.6	1270.5	1278.9	1274.7	1271.9
40°	1442.4	1443.8	1420.1	1401.9	1396.3	1400.5	1415.9	1438.3	1429.9	1418.7
42.5°	1613.0	1594.8	1564.0	1545.9	1550.1	1551.5	1568.2	1592.0	1590.6	1575.2
45°	1754.1	1730.4	1708.0	1692.6	1689.8	1705.2	1720.6	1740.2	1741.6	1741.6
47.5°	1861.8	1854.8	1828.2	1828.2	1831.0	1836.6	1852.0	1857.6	1850.6	1843.6
50°	1970.8	1959.6	1945.6	1954.0	1959.6	1966.6	1962.4	1958.2	1941.4	1931.6
52.5°	2065.8	2060.2	2057.4	2085.4	2096.6	2081.2	2067.2	2050.5	2030.9	2025.3
55°	2155.3	2162.3	2172.1	2222.4	2235.0	2212.6	2174.9	2153.9	2132.9	2125.9
57.5°	2244.7	2255.9	2286.7	2366.3	2383.1	2341.2	2285.3	2243.3	2212.6	2211.2
60°	2320.2	2341.2	2398.5	2517.3	2552.2	2487.9	2392.9	2313.2	2271.3	2267.1
62.5°	2415.3	2439.0	2525.7	2678.0	2728.4	2655.7	2492.1	2366.3	2302.0	2296.5
65°	2518.7	2555.0	2668.2	2868.1	2932.4	2812.2	2573.2	2416.7	2338.4	2335.6
67.5°	2602.6	2661.3	2812.2	3044.2	3119.7	2984.1	2662.7	2479.6	2381.7	2367.7
70°	2469.8	2602.6	2879.3	3206.4	3321.0	3100.1	2686.4	2351.0	2043.5	1987.6
72°	2200.0	2387.3	2750.7	3234.3	3414.6	3111.3	2534.1	1993.1	1503.9	1436.9
72.5°	2093.8	2306.2	2696.2	3205.0	3411.8	3087.6	2462.8	1874.3	1361.4	1323.6
75°	1526.3	1691.2	2207.0	2802.4	3123.9	2739.5	1893.9	1109.8	649.9	591.2
77.5°	772.9	942.1	1374.0	1913.5	2228.0	1789.1	1069.3	436.1	137.0	110.4
80°	216.6	287.9	426.3	726.8	842.8	686.3	357.8	72.7	28.0	18.2
82.5°	128.6	153.7	131.4	117.4	163.5	118.8	62.9	29.4	5.6	1.4
85°	50.3	75.5	68.5	41.9	30.7	19.6	11.2	5.6	1.4	0.0
87.5°	2.8	2.8	4.2	4.2	2.8	2.8	2.8	1.4	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

(END OF REPORT)