

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P233934

Luminaire Tested: **VERD-G-C029-D-U-T3-7030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-33)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-C029-D-U-T3-7030-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1040mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14016 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type III - Medium - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

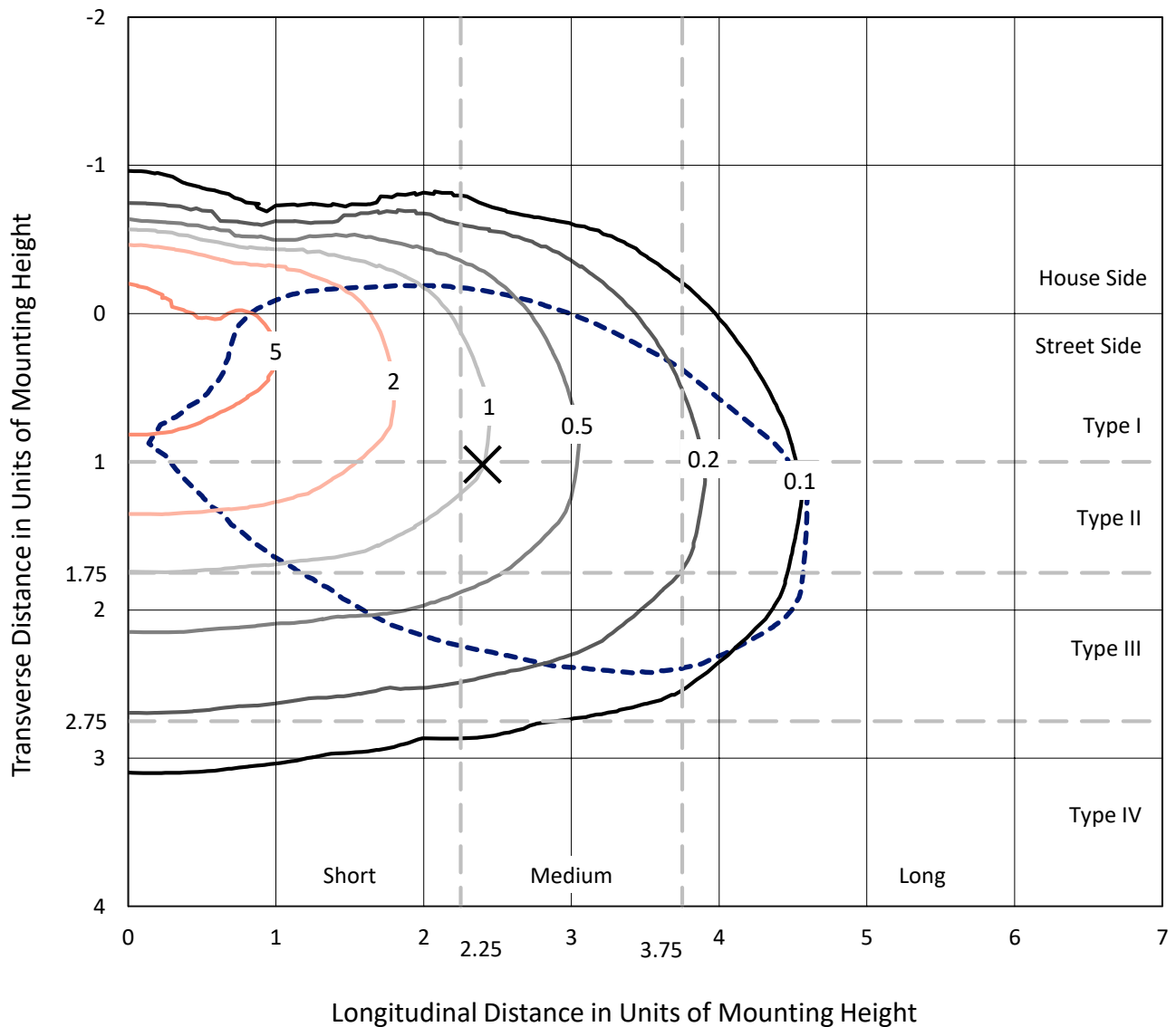
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

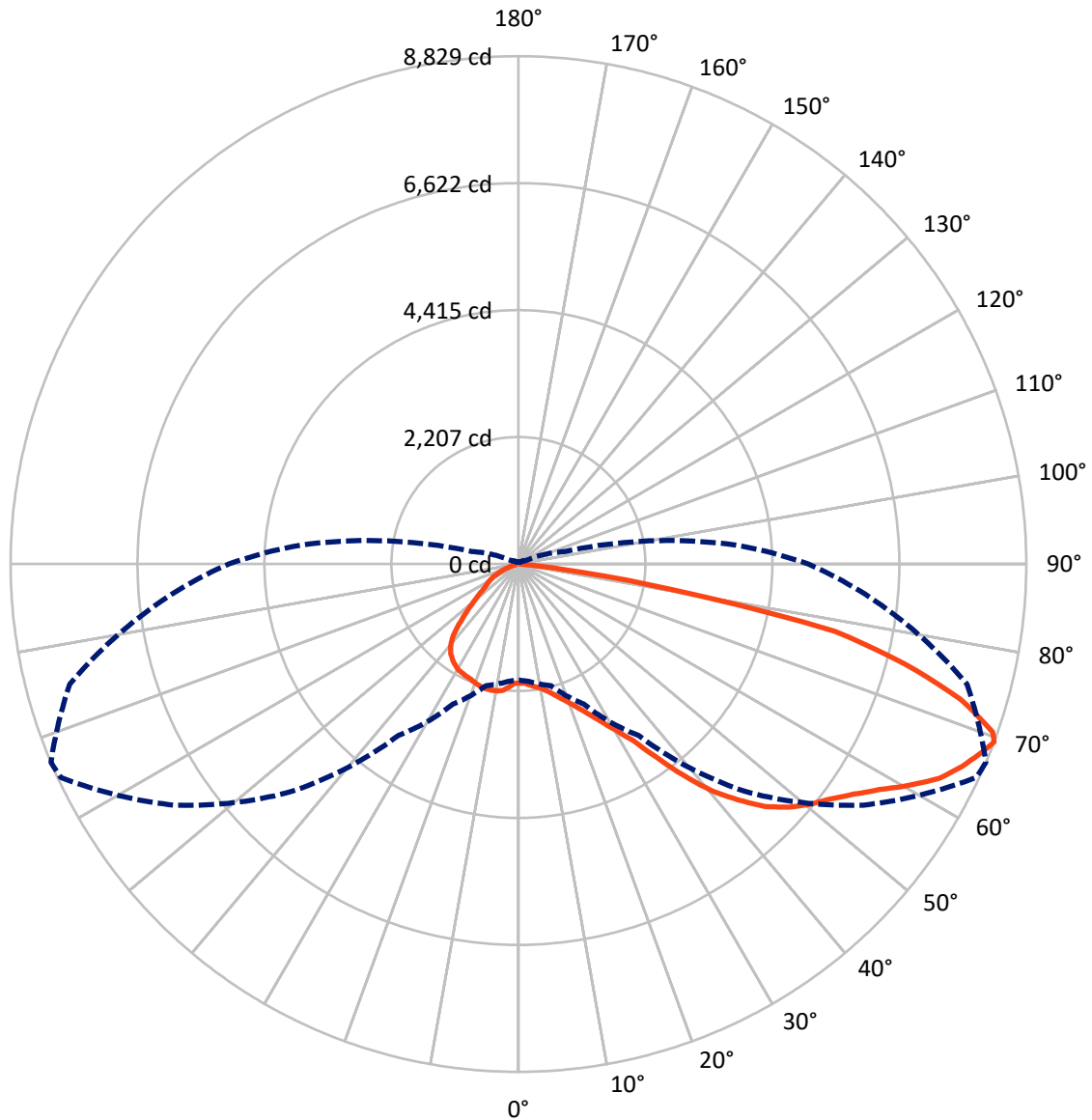


Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Medium - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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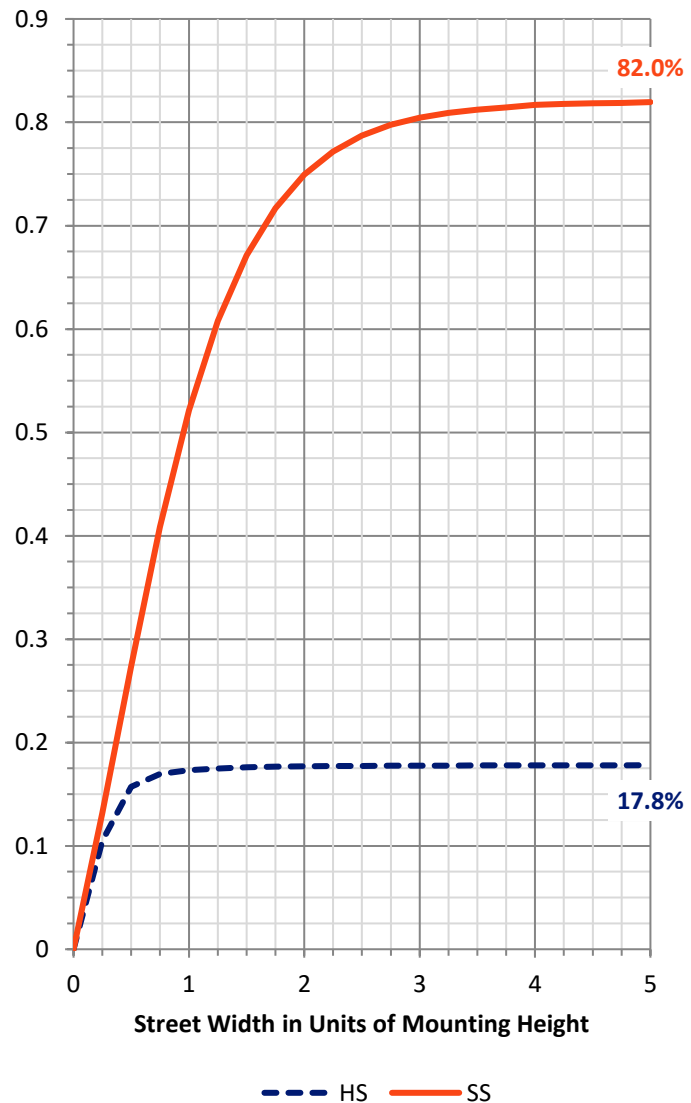
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2526.7	0.0	2526.7
	% Fixture	18.0	0.0	18.0
<b>Street Side</b>	Lumens	11489.3	0.0	11489.3
	% Fixture	82.0	0.0	82.0
<b>Total</b>	Lumens	14016.0	0.0	14016.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.3	1.5
10°-20°	658.0	4.7
20°-30°	1123.1	8.0
30°-40°	1698.1	12.1
40°-50°	2398.9	17.1
50°-60°	2899.2	20.7
60°-70°	3059.1	21.8
70°-80°	1841.6	13.1
80°-90°	128.7	0.9
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°	14016.0	100.0
0°-180°	14016.0	100.0

**Coefficient of Utilization**



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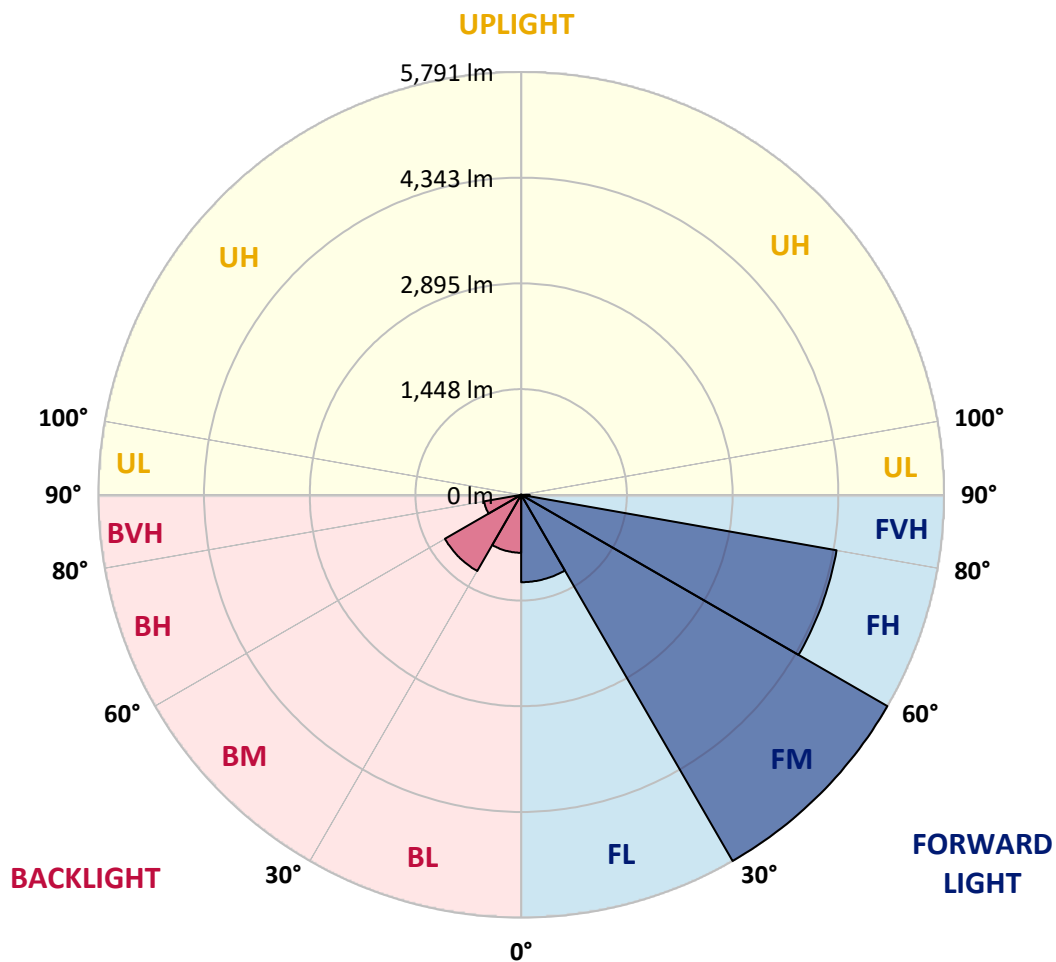
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1196.8	8.5			
FM	(30°-60°)	5790.7	41.3			
FH	(60°-80°)	4385.6	31.3			G2/5000
FVH	(80°-90°)	116.2	0.8			G2/225
BL	(0°-30°)	793.5	5.7	B2/1000		
BM	(30°-60°)	1205.6	8.6	B2/2500		
BH	(60°-80°)	515.1	3.7	B2/1000		G2/1000
BVH	(80°-90°)	12.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8
2.5°	2126.4	2123.0	2123.0	2104.0	2086.2	2081.7	2080.6	2075.0	2076.1	2068.3	2060.5
5°	2187.8	2187.8	2185.6	2161.0	2142.0	2129.7	2121.9	2111.8	2113.0	2107.4	2100.7
7.5°	2280.5	2281.6	2277.1	2244.7	2225.8	2195.6	2177.7	2158.7	2157.6	2150.9	2153.2
10°	2394.4	2397.7	2391.0	2349.7	2317.3	2276.0	2238.0	2204.5	2202.3	2194.5	2201.2
12.5°	2522.8	2527.3	2510.5	2468.1	2431.2	2366.5	2320.7	2276.0	2269.3	2268.2	2272.7
15°	2670.2	2672.5	2666.9	2604.3	2559.7	2500.5	2425.7	2368.7	2362.0	2363.1	2357.5
17.5°	2834.4	2840.0	2827.7	2771.9	2712.7	2631.1	2541.8	2471.4	2468.1	2464.7	2440.2
20°	3008.6	3014.2	3006.4	2953.9	2883.5	2780.8	2671.4	2590.9	2589.8	2582.0	2525.1
22.5°	3205.2	3213.0	3208.5	3144.9	3070.0	2958.4	2822.1	2738.4	2736.1	2711.6	2625.6
25°	3418.5	3416.2	3420.7	3352.6	3282.2	3165.0	2996.3	2909.2	2909.2	2879.1	2751.8
27.5°	3625.1	3624.0	3631.8	3583.8	3510.1	3399.5	3196.2	3108.0	3115.8	3072.3	2903.6
30°	3826.1	3826.1	3845.1	3813.8	3759.1	3643.0	3444.2	3351.5	3361.5	3315.7	3095.7
32.5°	4013.7	4022.7	4055.1	4036.1	3994.7	3889.8	3720.0	3635.1	3658.6	3677.6	3453.1
35°	4152.2	4161.1	4236.0	4242.7	4232.6	4162.3	4036.1	4090.8	4118.7	4268.4	4018.2
37.5°	4273.9	4285.1	4374.5	4430.3	4462.7	4419.1	4426.9	4610.1	4662.6	4839.0	4500.6
40°	4363.3	4387.9	4476.1	4553.1	4667.0	4718.4	4845.7	5105.9	5190.8	5261.2	4832.3
42.5°	4301.9	4318.6	4473.8	4680.5	4846.9	5027.8	5234.4	5543.7	5607.4	5585.0	5124.9
45°	4211.4	4231.5	4394.6	4714.0	4989.8	5350.5	5602.9	5938.0	6010.5	5886.6	5377.3
47.5°	4109.8	4137.7	4314.1	4669.3	5109.3	5647.6	5936.8	6276.3	6318.8	6155.7	5589.5
50°	4007.0	4038.3	4238.2	4632.4	5202.0	5895.5	6180.3	6552.2	6564.5	6379.1	5780.5
52.5°	3868.5	3900.9	4119.8	4555.4	5266.8	6058.6	6393.6	6778.9	6786.7	6620.3	5961.4
55°	3693.2	3734.5	3965.7	4441.5	5282.4	6153.5	6528.7	7014.5	7067.0	6881.6	6109.9
57.5°	3486.6	3524.6	3779.2	4277.3	5204.2	6185.9	6717.5	7326.1	7398.7	7146.3	6232.8
60°	3248.7	3292.3	3548.0	4065.1	5046.8	6276.3	7030.2	7766.1	7809.7	7423.3	6341.1
62.5°	3005.3	3036.5	3268.8	3766.9	4801.1	6331.1	7307.1	8179.3	8208.4	7690.2	6405.9
65°	2659.1	2698.2	2924.9	3425.2	4447.0	6226.1	7413.2	8461.9	8479.8	7913.5	6374.6
67.5°	2282.7	2314.0	2479.3	3013.1	3982.5	5893.3	7369.7	8650.6	8707.6	8087.8	6232.8
69°	2015.8	2047.1	2190.0	2683.6	3637.4	5598.4	7308.2	8779.1	8829.3	8075.5	6051.9
70°	1808.1	1839.3	1974.5	2437.9	3367.1	5349.4	7211.1	8714.3	8746.7	7938.1	5875.4
72.5°	1293.2	1324.5	1435.1	1714.3	2550.7	4396.8	6609.1	7995.1	8038.6	7278.1	5251.1
75°	676.8	751.6	950.4	1107.9	1511.0	3095.7	5494.6	6876.1	6939.7	6386.9	4318.6
77.5°	87.1	91.6	268.0	450.1	624.3	1305.5	3903.2	5521.4	5621.9	5111.5	2986.3
80°	70.4	71.5	92.7	224.5	310.5	529.4	1384.8	2584.2	2706.0	2271.5	1097.8
82.5°	49.1	51.4	72.6	118.4	101.6	193.2	481.3	730.4	752.7	651.1	437.8
85°	27.9	27.9	34.6	45.8	32.4	72.6	99.4	106.1	94.9	93.8	70.4
87.5°	7.8	8.9	10.1	7.8	3.4	3.4	4.5	4.5	4.5	3.4	3.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8
2.5°	2072.8	2070.5	2071.6	2076.1	2082.8	2107.4	2124.1	2126.4	2134.2	2163.2	2159.9
5°	2108.5	2121.9	2129.7	2153.2	2168.8	2202.3	2222.4	2224.6	2235.8	2266.0	2267.1
7.5°	2158.7	2181.1	2192.3	2219.1	2224.6	2240.3	2245.9	2240.3	2241.4	2268.2	2270.4
10°	2202.3	2230.2	2230.2	2236.9	2226.9	2228.0	2210.1	2193.4	2184.4	2207.9	2213.5
12.5°	2269.3	2277.1	2259.3	2239.2	2209.0	2182.2	2152.0	2125.2	2104.0	2117.4	2109.6
15°	2338.6	2326.3	2282.7	2230.2	2176.6	2130.8	2068.3	2029.2	1992.3	2000.2	1993.5
17.5°	2407.8	2367.6	2299.5	2212.4	2134.2	2047.1	1960.0	1898.5	1831.5	1825.9	1815.9
20°	2474.8	2416.7	2303.9	2175.5	2066.1	1943.2	1808.1	1703.1	1603.7	1578.0	1561.3
22.5°	2555.2	2471.4	2309.5	2139.8	1992.3	1824.8	1620.5	1457.4	1350.2	1314.5	1297.7
25°	2658.0	2547.4	2325.1	2113.0	1917.5	1678.5	1398.2	1211.7	1095.6	1034.1	1028.6
27.5°	2779.7	2639.0	2352.0	2078.3	1811.4	1483.1	1168.2	973.8	849.9	787.3	767.2
30°	2939.4	2752.9	2376.5	2051.5	1661.8	1269.8	926.9	710.3	562.9	522.7	501.4
32.5°	3242.0	2938.3	2407.8	1989.0	1485.3	1036.4	656.7	437.8	337.3	310.5	310.5
35°	3734.5	3345.9	2486.0	1903.0	1273.1	754.9	394.2	245.7	201.0	185.4	177.6
37.5°	4179.0	3756.9	2681.4	1770.1	1015.2	446.7	225.6	151.9	137.4	139.6	139.6
40°	4492.8	4038.3	2896.9	1590.3	689.1	239.0	142.9	121.7	124.0	125.1	125.1
42.5°	4762.0	4278.4	3015.3	1377.0	375.2	155.2	122.8	110.6	113.9	112.8	111.7
45°	4987.6	4473.8	3054.4	1083.3	182.0	137.4	111.7	101.6	101.6	100.5	100.5
47.5°	5180.8	4646.9	2981.8	805.2	147.4	126.2	106.1	93.8	92.7	98.3	98.3
50°	5357.2	4781.0	2800.9	609.8	142.9	116.1	100.5	87.1	88.2	96.0	96.0
52.5°	5504.6	4860.3	2532.9	456.8	132.9	107.2	92.7	81.5	81.5	89.3	89.3
55°	5614.1	4860.3	2328.5	341.7	127.3	98.3	86.0	78.2	73.7	75.9	77.1
57.5°	5668.8	4768.7	2164.3	277.0	120.6	89.3	79.3	68.1	60.3	62.5	61.4
60°	5654.3	4716.2	1975.6	246.8	112.8	82.6	70.4	58.1	50.3	48.0	48.0
62.5°	5627.5	4657.0	1740.0	214.4	105.0	77.1	58.1	46.9	42.4	40.2	41.3
65°	5525.9	4464.9	1441.8	178.7	97.2	74.8	49.1	41.3	36.9	34.6	34.6
67.5°	5280.2	4118.7	1090.0	150.8	90.5	60.3	42.4	35.7	31.3	29.0	29.0
69°	5036.7	3788.1	836.5	137.4	86.0	54.7	39.1	32.4	29.0	25.7	25.7
70°	4826.7	3532.4	655.6	128.4	82.6	52.5	38.0	31.3	27.9	24.6	24.6
72.5°	4109.8	2802.0	332.8	111.7	69.2	45.8	33.5	27.9	23.5	20.1	20.1
75°	3188.4	1930.9	220.0	88.2	53.6	41.3	30.2	24.6	20.1	16.8	15.6
77.5°	1918.6	754.9	157.5	57.0	34.6	32.4	24.6	20.1	16.8	13.4	13.4
80°	529.4	323.9	106.1	38.0	20.1	21.2	17.9	14.5	12.3	10.1	10.1
82.5°	318.3	210.0	70.4	24.6	13.4	13.4	10.1	10.1	7.8	7.8	7.8
85°	54.7	42.4	16.8	10.1	7.8	7.8	5.6	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	4.5	4.5	3.4	2.2	1.1	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)