

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: McGRAW-EDISON

Report Number: P1211957

Luminaire Tested: **GKO-PB2E-827-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211957
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-827-U-T2U
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
URBAN DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

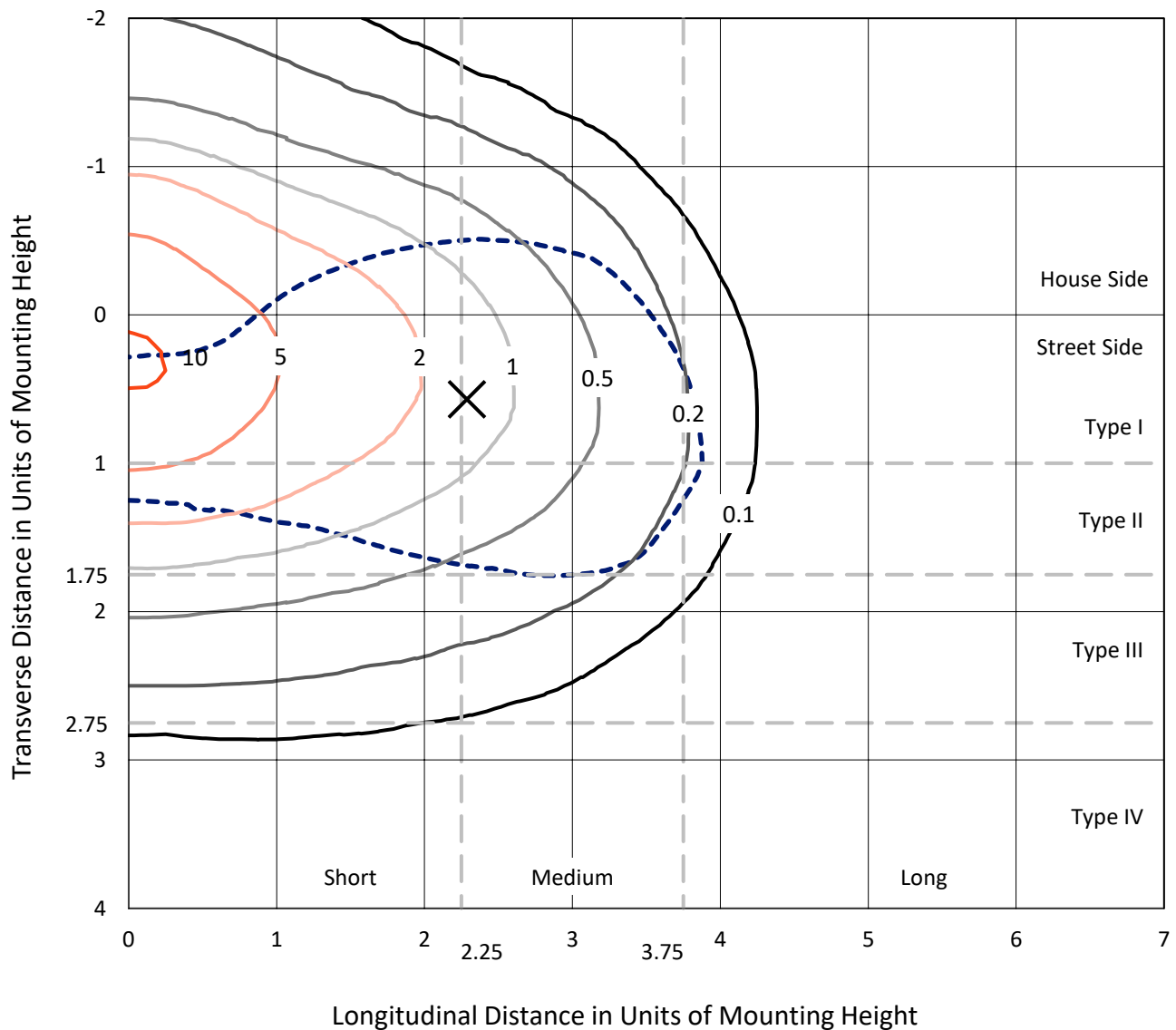
Lumens per Lamp: N/A
Luminaire Lumens: 10884.2 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
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

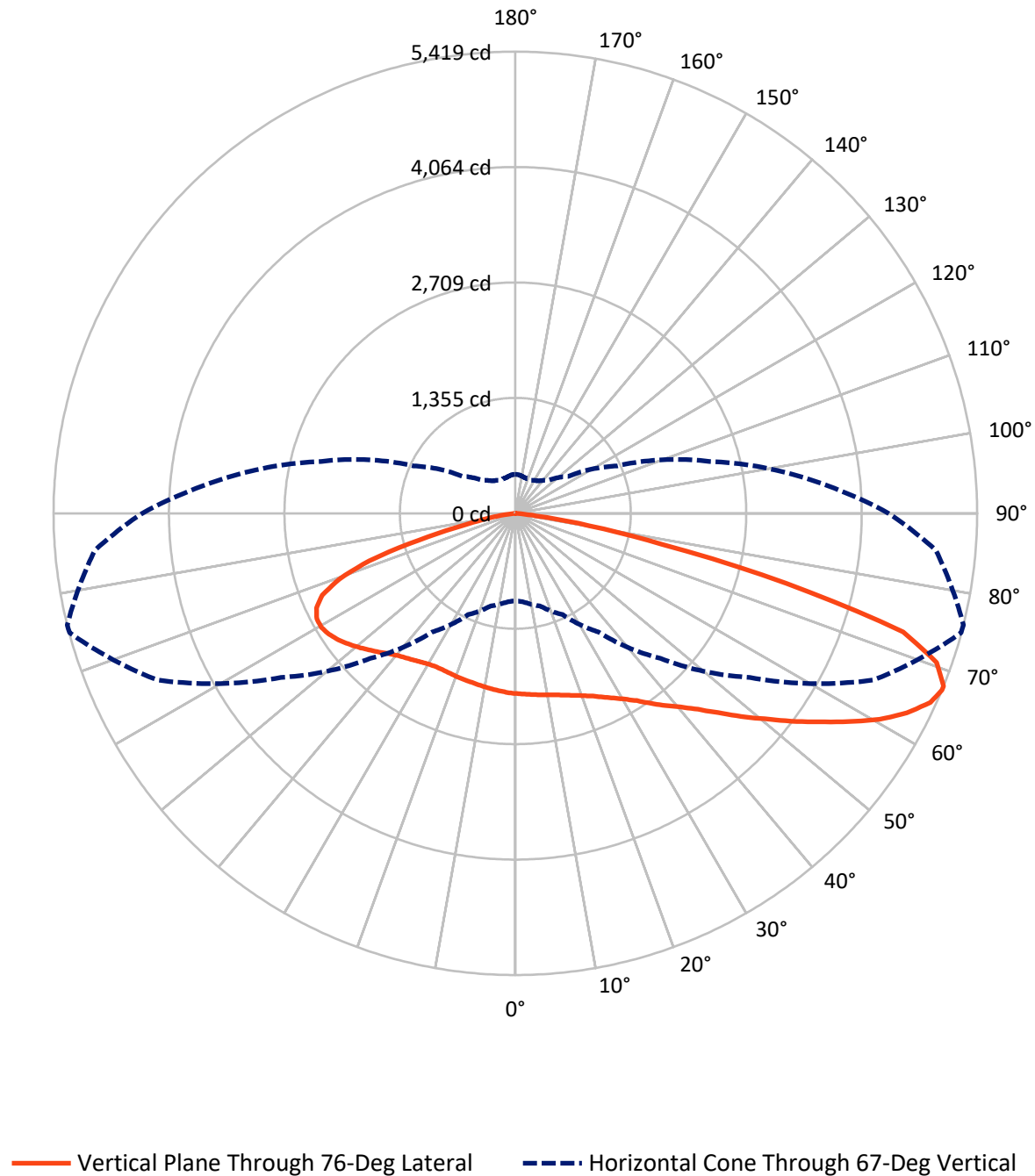
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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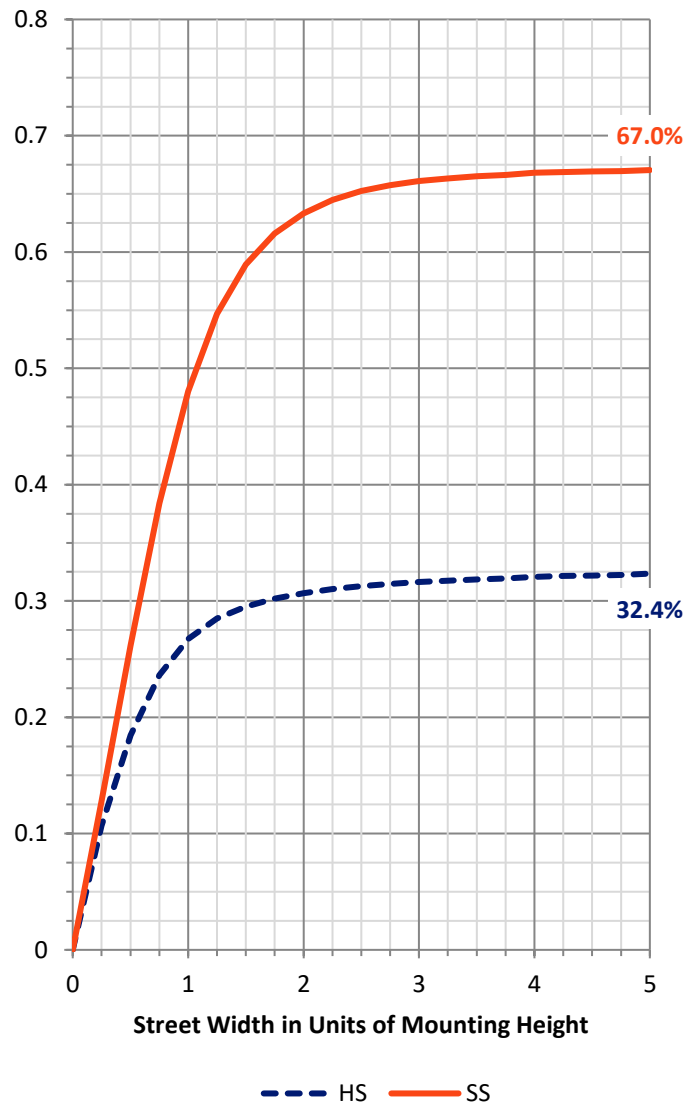
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3590.9	0.0	3590.9
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	7293.3	0.0	7293.3
	% Fixture	67.0	0.0	67.0
Total	Lumens	10884.2	0.0	10884.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.4	1.9
10°-20°	622.2	5.7
20°-30°	1070.4	9.8
30°-40°	1538.2	14.1
40°-50°	1950.7	17.9
50°-60°	2142.0	19.7
60°-70°	2077.4	19.1
70°-80°	1147.0	10.5
80°-90°	133.0	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°	10884.2	100.0
0°-180°	10884.2	100.0

Coefficient of Utilization



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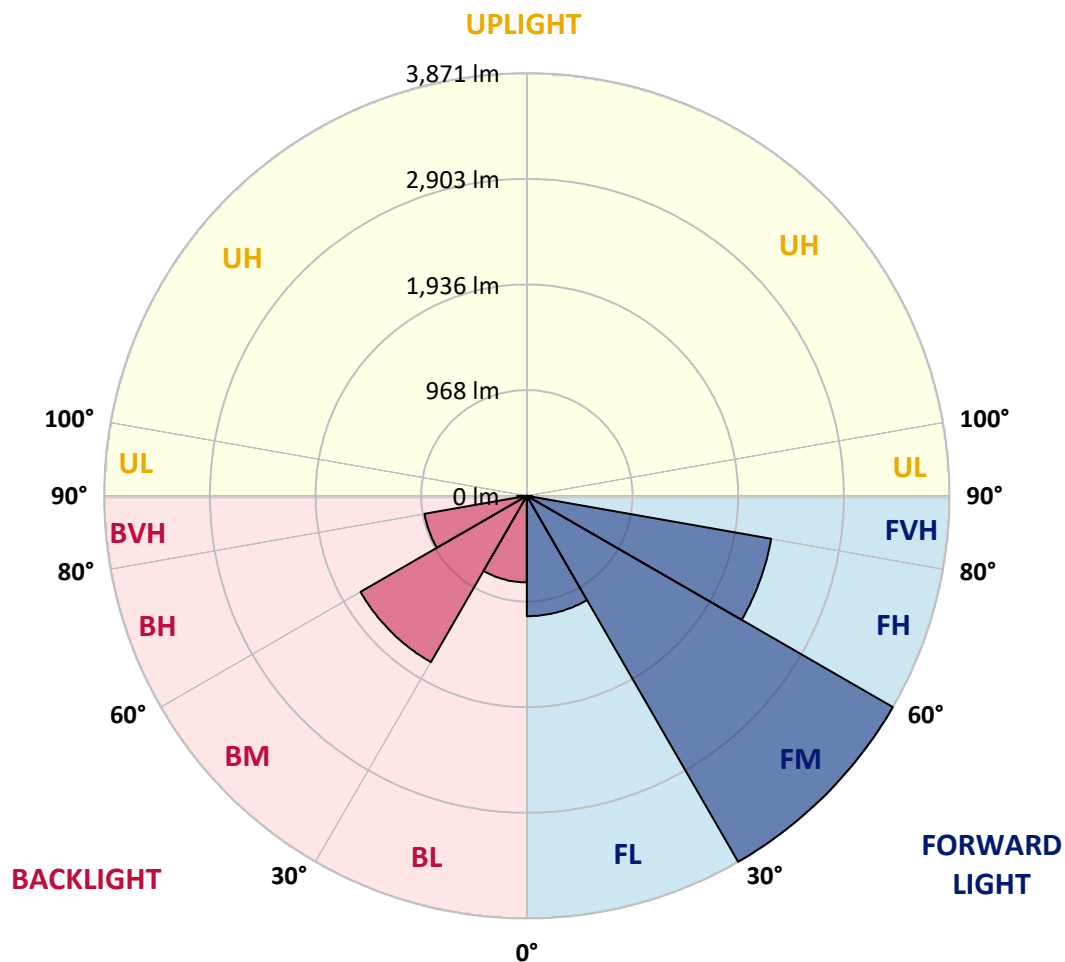
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1102.6	10.1			
FM	(30°-60°)	3871.2	35.6			
FH	(60°-80°)	2272.5	20.9			G2/5000
FVH	(80°-90°)	47.0	0.4			G1/100
BL	(0°-30°)	793.4	7.3	B2/1000		
BM	(30°-60°)	1759.6	16.2	B2/2500		
BH	(60°-80°)	951.8	8.7	B2/1000		G2/1000
BVH	(80°-90°)	86.0	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8
2.5°	2178.9	2176.8	2174.7	2174.7	2166.3	2157.9	2149.5	2143.1	2126.3	2124.2	2115.8
5°	2244.2	2244.2	2237.9	2235.8	2223.1	2202.1	2183.1	2164.2	2141.0	2136.8	2117.9
7.5°	2328.4	2328.4	2317.9	2309.5	2290.5	2256.8	2223.1	2189.5	2155.8	2151.6	2122.1
10°	2435.8	2435.8	2427.3	2408.4	2368.4	2324.2	2269.5	2216.8	2172.6	2168.4	2126.3
12.5°	2547.3	2549.5	2536.8	2509.5	2461.0	2393.7	2326.3	2250.5	2193.7	2187.3	2134.7
15°	2661.0	2663.1	2654.7	2625.2	2560.0	2477.9	2387.3	2296.8	2221.0	2214.7	2147.3
17.5°	2772.6	2776.8	2768.4	2734.7	2658.9	2570.5	2458.9	2345.2	2254.7	2246.3	2168.4
20°	2877.9	2877.9	2877.9	2840.0	2766.3	2665.2	2536.8	2404.2	2292.6	2284.2	2193.7
22.5°	2972.6	2976.8	2983.1	2962.1	2877.9	2766.3	2627.3	2469.5	2341.0	2330.5	2225.2
25°	3067.3	3069.4	3086.3	3071.6	2989.4	2873.7	2724.2	2551.6	2400.0	2389.5	2263.1
27.5°	3176.8	3183.1	3193.7	3187.3	3094.7	2981.0	2831.6	2642.1	2465.2	2454.7	2309.5
30°	3305.2	3305.2	3311.5	3301.0	3208.4	3094.7	2938.9	2736.8	2547.3	2530.5	2366.3
32.5°	3410.5	3421.0	3416.8	3412.6	3315.8	3202.1	3048.4	2842.1	2642.1	2621.0	2444.2
35°	3509.4	3511.5	3509.4	3513.7	3416.8	3309.4	3164.2	2964.2	2747.3	2738.9	2543.1
37.5°	3566.3	3570.5	3581.0	3593.7	3507.3	3406.3	3280.0	3098.9	2877.9	2863.1	2661.0
40°	3593.7	3600.0	3656.8	3675.8	3583.1	3498.9	3402.1	3221.0	3004.2	2987.3	2778.9
42.5°	3635.8	3686.3	3715.8	3720.0	3640.0	3566.3	3507.3	3360.0	3160.0	3145.2	2936.8
45°	3496.8	3477.9	3555.8	3646.3	3642.1	3610.5	3608.4	3515.8	3351.5	3336.8	3115.8
47.5°	3322.1	3307.3	3349.4	3482.1	3576.8	3629.4	3707.3	3698.9	3583.1	3562.1	3324.2
50°	2905.2	2930.5	3136.8	3317.9	3482.1	3635.8	3791.5	3890.5	3808.4	3791.5	3545.2
52.5°	2515.8	2532.6	2673.7	3105.2	3360.0	3616.8	3865.2	4092.6	4071.5	4052.6	3787.3
55°	2242.1	2258.9	2484.2	2760.0	3178.9	3520.0	3913.6	4284.2	4338.9	4320.0	4044.2
57.5°	1955.8	1983.1	2136.8	2378.9	2936.8	3360.0	3930.5	4477.9	4629.4	4612.6	4290.5
60°	1680.0	1717.9	1808.4	2071.6	2637.9	3170.5	3886.3	4633.6	4909.4	4909.4	4545.2
62.5°	1425.2	1446.3	1541.0	1778.9	2258.9	2928.4	3774.7	4732.6	5166.3	5155.7	4768.4
65°	1214.7	1225.3	1301.0	1505.2	1941.0	2661.0	3581.0	4726.3	5349.4	5351.5	4915.7
67°	1025.3	1042.1	1126.3	1311.6	1698.9	2408.4	3357.9	4631.5	5414.7	5418.9	4951.5
67.5°	960.0	978.9	1071.6	1263.1	1648.4	2338.9	3305.2	4591.5	5410.5	5418.9	4941.0
70°	661.0	665.3	821.0	1040.0	1355.8	1970.5	2941.0	4313.6	5250.5	5244.2	4711.5
72.5°	421.0	414.7	564.2	760.0	1090.5	1595.8	2482.1	3827.3	4764.2	4757.9	4153.6
75°	280.0	286.3	381.0	543.2	766.3	1233.7	1934.7	2888.4	3309.4	3284.2	2741.0
77.5°	200.0	195.8	235.8	391.6	513.7	749.5	1050.5	1536.8	1757.9	1757.9	1505.2
80°	109.5	111.6	128.4	216.8	290.5	292.6	393.7	770.5	858.9	877.9	730.5
82.5°	31.6	33.7	46.3	73.7	80.0	88.4	136.8	221.1	231.6	244.2	197.9
85°	0.0	0.0	0.0	2.1	8.4	10.5	10.5	12.6	21.1	21.1	23.2
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2	8.4	8.4	10.5
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°	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8	2115.8
2.5°	2113.7	2115.8	2107.3	2096.8	2088.4	2084.2	2071.6	2061.0	2067.3	2073.7	2073.7
5°	2111.6	2109.5	2092.6	2073.7	2061.0	2052.6	2031.6	2016.8	2018.9	2025.2	2023.1
7.5°	2111.6	2103.1	2080.0	2052.6	2031.6	2014.7	1987.4	1970.5	1968.4	1972.6	1968.4
10°	2113.7	2098.9	2067.3	2029.5	2000.0	1974.7	1941.0	1922.1	1915.8	1917.9	1913.7
12.5°	2117.9	2094.7	2054.7	2006.3	1968.4	1934.7	1896.8	1873.7	1869.5	1873.7	1873.7
15°	2124.2	2094.7	2044.2	1985.2	1934.7	1896.8	1858.9	1837.9	1837.9	1840.0	1840.0
17.5°	2136.8	2101.0	2035.8	1962.1	1901.0	1858.9	1825.2	1810.5	1812.6	1818.9	1818.9
20°	2149.5	2109.5	2027.3	1938.9	1871.6	1823.1	1795.8	1785.2	1793.7	1802.1	1802.1
22.5°	2168.4	2120.0	2018.9	1917.9	1837.9	1789.5	1766.3	1757.9	1766.3	1776.8	1772.6
25°	2197.9	2138.9	2012.6	1898.9	1806.3	1753.7	1730.5	1722.1	1726.3	1734.7	1734.7
27.5°	2231.6	2162.1	2010.5	1875.8	1768.4	1711.6	1684.2	1671.6	1671.6	1673.7	1675.8
30°	2288.4	2202.1	2018.9	1858.9	1734.7	1667.4	1631.6	1612.6	1610.5	1618.9	1618.9
32.5°	2355.8	2256.8	2040.0	1844.2	1701.0	1614.7	1566.3	1551.6	1547.4	1553.7	1547.4
35°	2431.6	2317.9	2067.3	1842.1	1667.4	1557.9	1503.1	1486.3	1473.7	1469.5	1465.2
37.5°	2538.9	2402.1	2094.7	1831.6	1633.7	1496.8	1437.9	1402.1	1387.4	1383.1	1383.1
40°	2644.2	2484.2	2128.4	1814.7	1593.7	1435.8	1351.6	1311.6	1305.3	1305.3	1305.3
42.5°	2776.8	2591.6	2174.7	1804.2	1545.2	1374.7	1258.9	1212.6	1212.6	1212.6	1210.5
45°	2941.0	2732.6	2233.7	1800.0	1498.9	1301.0	1160.0	1098.9	1096.8	1094.7	1092.6
47.5°	3132.6	2880.0	2290.5	1789.5	1444.2	1212.6	1046.3	978.9	964.2	960.0	953.7
50°	3330.5	3040.0	2351.6	1774.7	1378.9	1109.5	938.9	861.0	829.5	818.9	823.2
52.5°	3541.0	3195.8	2410.5	1753.7	1301.0	1006.3	829.5	747.4	715.8	703.2	701.0
55°	3747.3	3353.7	2465.2	1726.3	1216.8	901.0	736.8	656.8	629.5	625.3	625.3
57.5°	3955.8	3505.2	2507.3	1686.3	1124.2	808.4	656.8	591.6	572.6	581.0	581.0
60°	4145.2	3637.9	2528.4	1631.6	1031.6	724.2	593.7	545.3	536.8	557.9	555.8
62.5°	4315.7	3726.3	2517.9	1551.6	941.0	652.6	545.3	509.5	511.6	536.8	538.9
65°	4397.9	3741.0	2456.8	1442.1	840.0	591.6	494.7	461.0	465.3	492.6	498.9
67°	4378.9	3684.2	2355.8	1317.9	757.9	545.3	463.2	429.5	431.6	454.7	456.8
67.5°	4357.9	3656.8	2328.4	1280.0	736.8	536.8	454.7	423.2	427.4	448.4	448.4
70°	4077.9	3378.9	2075.8	1086.3	637.9	477.9	414.7	393.7	397.9	410.5	410.5
72.5°	3564.2	2926.3	1680.0	871.6	541.0	423.2	374.7	362.1	362.1	362.1	351.6
75°	2273.7	1833.7	1098.9	667.4	446.3	362.1	336.8	322.1	313.7	326.3	322.1
77.5°	1256.8	957.9	572.6	383.2	322.1	301.0	292.6	286.3	284.2	313.7	305.3
80°	595.8	473.7	322.1	218.9	185.3	223.2	252.6	248.4	296.8	406.3	408.4
82.5°	189.5	155.8	130.5	120.0	124.2	160.0	195.8	225.3	385.3	435.8	429.5
85°	23.2	21.1	14.7	48.4	82.1	117.9	151.6	292.6	353.7	294.7	277.9
87.5°	8.4	8.4	8.4	33.7	63.2	90.5	136.8	294.7	216.8	197.9	181.1
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)