

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: CORELITE

Report Number: P#

Luminaire Tested: **44ID-120-L840-CFR2**

Issue Date: 9/24/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (13890049.01)
Test Lab: INNOVATION CENTER
Issue Date: 9/24/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 44ID-120-L840-CFR2
Description: 12000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 4000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

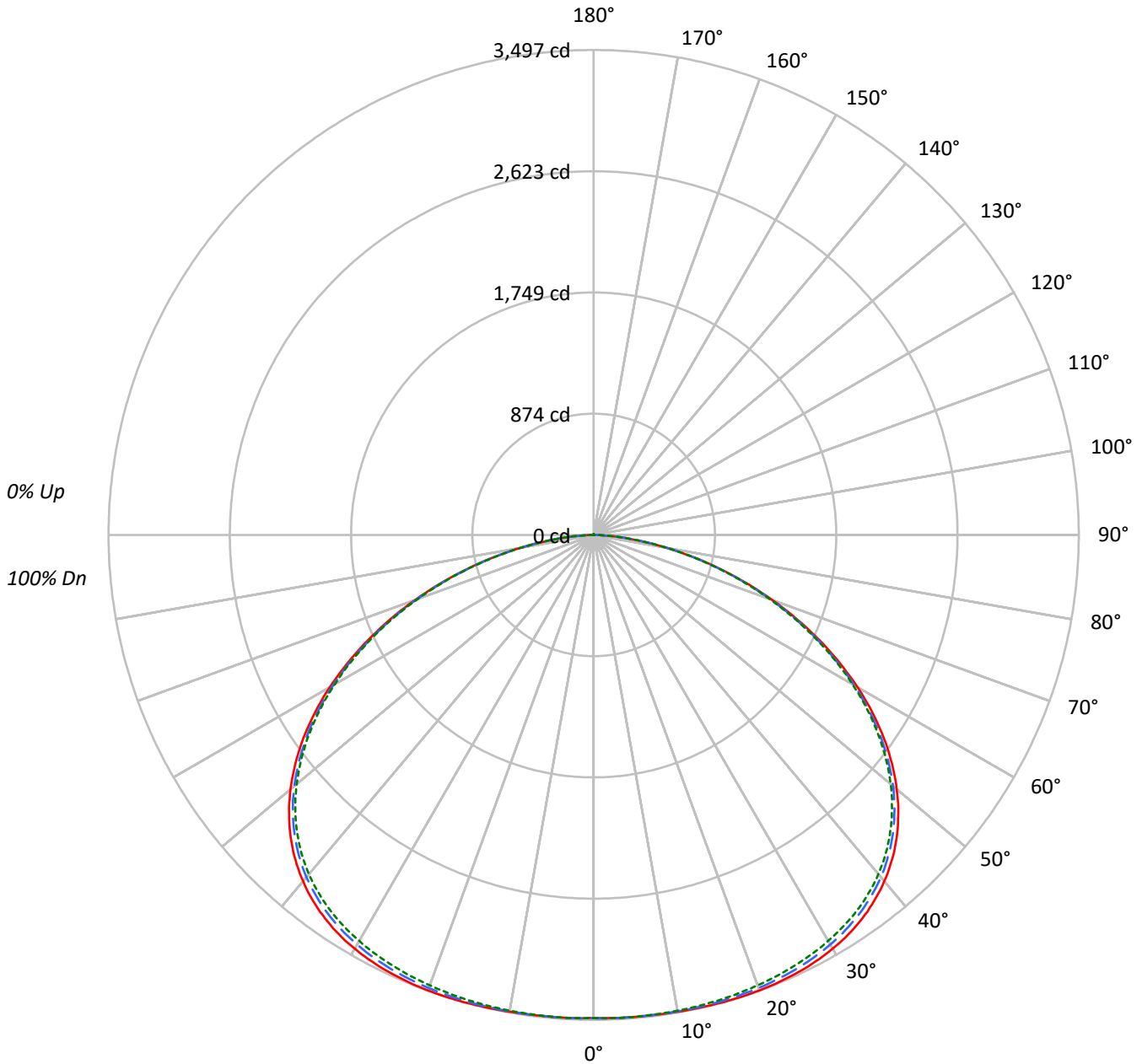
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12618.0 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57
Luminous Opening: Rectangular (W 3.88' x L: 3.88' x H: 0')
CIE Type: Direct

Input Watts (W): 95.6
Input Voltage (V):
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: 25 FT

TEST NUMBER: P#
CATALOG NUMBER: 44ID-120-L840-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82																			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	63	58	56																			
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47																			
5	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35																			
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30																			
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27																			
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24																			
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2488	2488	2488
5°	2500	2500	2499
10°	2531	2529	2525
15°	2584	2577	2568
20°	2655	2641	2626
25°	2742	2721	2699
30°	2840	2812	2786
35°	2942	2908	2882
40°	3038	3001	2976
45°	3117	3079	3053
50°	3168	3129	3104
55°	3178	3139	3115
60°	3136	3097	3079
65°	3034	2999	2985
70°	2860	2830	2815
75°	2591	2574	2562
80°	2204	2211	2188
85°	1641	1682	1679



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.0	2.6
10°-20°	987.7	7.8
20°-30°	1596.6	12.7
30°-40°	2091.3	16.6
40°-50°	2352.3	18.6
50°-60°	2250.9	17.8
60°-70°	1755.5	13.9
70°-80°	989.3	7.8
80°-90°	244.8	1.9
90°-100°	0.9	0.0
100°-110°	1.4	0.0
110°-120°	2.6	0.0
120°-130°	4.0	0.0
130°-140°	3.2	0.0
140°-150°	1.9	0.0
150°-160°	1.4	0.0
160°-170°	0.9	0.0
170°-180°	0.4	0.0
0°-30°	2917.3	23.1
0°-40°	5008.5	39.7
0°-60°	9611.7	76.2
0°-90°	12601.3	99.9
90°-120°	4.8	0.0
90°-150°	13.9	0.1
90°-180°	17.0	0.1
0°-180°	12618.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3485	3485	3485	3485	3485	
5°	3488	3489	3488	3488	3487	333
15°	3496	3495	3486	3479	3474	991
25°	3481	3475	3454	3435	3427	1609
35°	3376	3365	3337	3316	3307	2113
45°	3088	3074	3050	3035	3024	2379
55°	2553	2540	2522	2511	2503	2276
65°	1796	1789	1776	1770	1767	1773
75°	939	939	933	932	929	995
85°	200	203	205	207	205	232
90°	2	2	2	2	2	10
95°	1	1	1	1	1	1
105°	2	1	1	1	1	1
115°	2	2	2	2	2	3
125°	5	5	5	5	5	4
135°	4	4	4	4	4	3
145°	3	3	3	3	3	2
155°	3	3	3	3	4	2
165°	3	3	3	3	3	1
175°	4	4	4	4	4	0
180°	3	3	3	3	3	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3484.7	3484.7	3484.7	3484.7	3484.7
0.5°	3483.9	3486.4	3487.3	3486.4	3484.7
1°	3484.7	3486.4	3487.3	3487.3	3485.6
1.5°	3485.6	3487.3	3487.3	3487.3	3486.4
2°	3485.6	3487.3	3487.3	3488.1	3486.4
2.5°	3486.4	3488.1	3488.1	3488.1	3486.4
3°	3487.3	3488.1	3488.1	3488.1	3487.3
3.5°	3487.3	3488.1	3488.1	3488.1	3487.3
4°	3488.1	3488.1	3488.1	3488.1	3487.3
4.5°	3488.1	3489.0	3488.1	3488.1	3487.3
5°	3488.1	3489.0	3488.1	3488.1	3487.3
5.5°	3488.1	3489.0	3488.1	3488.1	3487.3
6°	3489.0	3489.0	3488.1	3488.1	3486.4
6.5°	3489.0	3489.8	3489.0	3488.1	3486.4
7°	3489.0	3489.8	3488.1	3488.1	3486.4
7.5°	3489.0	3489.8	3488.1	3487.3	3485.6
8°	3489.8	3489.8	3489.0	3487.3	3485.6
8.5°	3489.8	3490.7	3488.1	3487.3	3484.7
9°	3490.7	3490.7	3489.0	3486.4	3484.7
9.5°	3490.7	3491.5	3488.1	3486.4	3483.9
10°	3491.5	3491.5	3488.1	3485.6	3483.0
10.5°	3492.4	3492.4	3488.1	3485.6	3483.0
11°	3492.4	3492.4	3488.1	3484.7	3482.2
11.5°	3493.2	3493.2	3488.1	3483.9	3481.3
12°	3493.2	3493.2	3488.1	3483.9	3480.5
12.5°	3494.1	3493.2	3487.3	3483.0	3479.6
13°	3494.1	3493.2	3487.3	3482.2	3478.8
13.5°	3494.9	3494.1	3487.3	3481.3	3477.9
14°	3494.9	3494.1	3487.3	3480.5	3476.2
14.5°	3495.8	3494.1	3486.4	3479.6	3475.4
15°	3495.8	3494.9	3486.4	3478.8	3474.5
15.5°	3496.6	3494.9	3485.6	3477.1	3472.8
16°	3495.8	3494.9	3484.7	3476.2	3471.1
16.5°	3496.6	3494.9	3484.7	3474.5	3469.4
17°	3496.6	3494.1	3483.9	3472.8	3468.6
17.5°	3496.6	3494.1	3482.2	3472.0	3466.9
18°	3496.6	3494.1	3481.3	3470.3	3464.3
18.5°	3496.6	3493.2	3480.5	3468.6	3462.6
19°	3495.8	3493.2	3479.6	3466.9	3460.9
19.5°	3495.8	3492.4	3477.9	3464.3	3458.4
20°	3494.9	3491.5	3476.2	3462.6	3456.7
20.5°	3494.1	3490.7	3475.4	3460.9	3454.1
21°	3494.1	3489.8	3473.7	3458.4	3451.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	3490.7	3485.6	3467.7	3450.7	3443.1
23°	3489.0	3483.9	3465.2	3448.2	3440.5
23.5°	3487.3	3482.2	3462.6	3444.8	3437.1
24°	3485.6	3480.5	3460.1	3441.4	3433.7
24.5°	3483.9	3477.9	3457.5	3438.0	3430.3
25°	3481.3	3475.4	3454.1	3434.6	3426.9
25.5°	3478.8	3472.8	3450.7	3431.2	3422.7
26°	3476.2	3470.3	3447.3	3427.8	3419.3
26.5°	3473.7	3466.9	3443.9	3423.5	3415.0
27°	3470.3	3463.5	3439.7	3419.3	3410.8
27.5°	3466.9	3460.1	3435.4	3415.0	3406.5
28°	3463.5	3455.8	3431.2	3410.8	3402.3
28.5°	3459.2	3451.6	3426.9	3405.7	3397.2
29°	3455.0	3447.3	3421.8	3400.6	3392.1
29.5°	3450.7	3442.2	3416.7	3395.5	3386.1
30°	3445.6	3437.1	3410.8	3389.5	3380.2
30.5°	3440.5	3432.0	3404.8	3383.6	3375.1
31°	3434.6	3426.1	3398.9	3377.6	3368.3
31.5°	3429.5	3420.1	3392.1	3371.7	3362.3
32°	3422.7	3413.3	3386.1	3364.9	3355.5
32.5°	3415.9	3406.5	3378.5	3357.2	3347.9
33°	3409.1	3398.9	3370.8	3350.4	3340.2
33.5°	3401.4	3391.2	3363.2	3342.8	3332.6
34°	3392.9	3382.7	3354.7	3334.3	3324.9
34.5°	3384.4	3374.2	3346.2	3325.8	3316.4
35°	3375.9	3364.9	3336.8	3316.4	3307.1
35.5°	3366.6	3355.5	3327.5	3307.1	3297.7
36°	3357.2	3345.3	3317.3	3297.7	3287.5
36.5°	3346.2	3335.1	3307.1	3287.5	3278.2
37°	3335.1	3324.1	3296.0	3276.5	3267.1
37.5°	3324.1	3312.2	3285.0	3265.4	3255.2
38°	3312.2	3301.1	3273.1	3254.4	3244.2
38.5°	3300.3	3288.4	3260.3	3241.6	3232.3
39°	3287.5	3274.8	3247.6	3229.7	3219.5
39.5°	3273.9	3261.2	3234.8	3216.1	3206.8
40°	3259.5	3247.6	3220.4	3202.5	3193.2
40.5°	3245.9	3233.1	3205.9	3188.9	3178.7
41°	3230.6	3217.8	3191.5	3173.6	3163.5
41.5°	3214.4	3201.7	3175.3	3158.4	3148.2
42°	3198.3	3185.5	3159.2	3143.1	3132.0
42.5°	3181.3	3168.6	3142.2	3126.1	3115.9
43°	3164.3	3150.7	3125.2	3109.1	3098.9
43.5°	3146.5	3132.9	3107.4	3091.2	3081.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	3087.8	3074.2	3049.6	3035.1	3024.1
45.5°	3067.4	3053.0	3029.2	3014.7	3004.5
46°	3046.2	3031.7	3007.9	2993.5	2983.3
46.5°	3024.1	3009.6	2986.7	2972.2	2962.0
47°	3001.1	2987.5	2963.7	2951.0	2939.9
47.5°	2978.2	2963.7	2940.8	2928.0	2917.0
48°	2955.2	2939.9	2917.8	2904.2	2893.2
48.5°	2930.6	2916.1	2894.0	2881.3	2871.1
49°	2904.2	2890.6	2868.5	2854.9	2845.6
49.5°	2878.7	2865.1	2843.0	2830.3	2820.1
50°	2852.4	2837.9	2817.5	2804.8	2794.6
50.5°	2825.2	2810.7	2790.3	2777.6	2768.2
51°	2798.0	2783.5	2763.1	2750.4	2740.2
51.5°	2769.1	2754.6	2734.2	2722.3	2713.0
52°	2740.2	2725.7	2705.3	2694.3	2684.9
52.5°	2711.3	2696.8	2676.4	2664.5	2656.0
53°	2679.8	2666.2	2647.5	2636.5	2627.1
53.5°	2648.4	2634.8	2616.1	2605.0	2596.5
54°	2616.9	2603.3	2584.6	2573.6	2565.9
54.5°	2586.3	2571.9	2554.0	2543.0	2535.4
55°	2553.2	2539.6	2521.8	2510.7	2503.1
55.5°	2520.1	2506.5	2488.6	2477.6	2470.8
56°	2485.2	2472.5	2454.6	2445.3	2438.5
56.5°	2450.4	2438.5	2420.6	2411.3	2404.5
57°	2416.4	2403.6	2386.6	2378.1	2371.3
57.5°	2382.4	2368.8	2351.8	2343.3	2336.5
58°	2345.0	2332.2	2316.1	2307.6	2301.6
58.5°	2308.4	2296.5	2279.5	2271.9	2265.9
59°	2271.9	2260.0	2243.8	2236.2	2230.2
59.5°	2233.6	2222.6	2206.4	2198.8	2192.8
60°	2196.2	2184.3	2169.0	2162.2	2156.3
60.5°	2158.0	2147.8	2131.6	2124.8	2118.9
61°	2118.9	2108.7	2093.4	2086.6	2080.6
61.5°	2078.9	2070.4	2055.1	2048.3	2043.2
62°	2039.8	2031.3	2016.0	2010.1	2005.0
62.5°	1999.9	1991.4	1976.1	1970.1	1965.0
63°	1959.9	1951.4	1937.0	1931.0	1925.9
63.5°	1919.1	1910.6	1897.1	1891.1	1886.0
64°	1878.4	1869.9	1855.4	1851.2	1845.2
64.5°	1837.6	1829.1	1814.6	1810.4	1805.3
65°	1795.9	1789.1	1775.5	1770.4	1767.0
65.5°	1755.1	1746.6	1733.9	1729.6	1724.5
66°	1711.8	1705.0	1692.2	1688.0	1684.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1586.0	1578.3	1567.3	1563.0	1558.8
68°	1542.6	1535.8	1524.8	1521.4	1517.1
68.5°	1499.3	1492.5	1481.4	1478.9	1476.3
69°	1455.9	1449.1	1439.8	1437.2	1433.8
69.5°	1413.4	1406.6	1398.1	1395.6	1391.3
70°	1370.1	1364.1	1355.6	1353.1	1348.8
70.5°	1326.7	1320.8	1313.1	1310.6	1306.3
71°	1283.4	1278.3	1271.5	1268.1	1263.9
71.5°	1240.9	1235.8	1228.2	1225.6	1222.2
72°	1197.6	1193.3	1185.7	1184.0	1179.7
72.5°	1154.2	1150.8	1143.2	1141.5	1138.1
73°	1110.9	1107.5	1099.8	1098.1	1095.6
73.5°	1068.4	1065.0	1058.2	1055.6	1053.1
74°	1025.9	1023.3	1016.5	1014.8	1011.4
74.5°	982.5	980.8	974.9	972.3	969.8
75°	939.2	939.2	933.2	931.5	929.0
75.5°	897.5	897.5	891.6	889.9	887.3
76°	855.9	855.9	849.9	848.3	844.9
76.5°	813.8	814.2	809.1	807.4	804.5
77°	773.5	773.9	769.4	767.1	764.3
77.5°	730.4	732.5	728.7	726.7	723.9
78°	690.2	692.8	689.0	687.3	685.0
78.5°	652.3	653.9	651.5	649.5	646.2
79°	612.6	613.9	612.3	610.6	607.4
79.5°	573.5	575.7	574.6	573.0	569.3
80°	536.1	537.6	537.8	535.5	532.1
80.5°	496.6	499.8	500.3	498.0	496.2
81°	460.2	463.1	464.0	462.6	460.2
81.5°	424.3	427.8	428.5	427.8	424.7
82°	388.3	392.6	393.9	393.3	389.9
82.5°	354.0	358.8	360.1	359.6	356.5
83°	320.7	325.9	327.1	327.6	324.7
83.5°	288.5	293.4	295.0	295.5	292.4
84°	257.5	261.9	264.0	264.8	262.2
84.5°	228.1	231.7	234.2	235.3	234.0
85°	200.4	203.0	205.3	206.8	205.0
85.5°	173.6	175.6	177.3	179.7	178.2
86°	148.6	150.6	151.8	153.7	153.7
86.5°	124.8	125.7	126.6	128.8	128.8
87°	102.0	102.1	102.4	105.2	105.3
87.5°	78.7	79.4	79.7	82.2	83.0
88°	55.5	57.5	58.0	60.3	60.1
88.5°	39.3	39.3	39.2	41.5	42.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	1.9	1.8	1.9	2.0	1.8
90.5°	0.6	0.5	0.6	0.7	0.6
91°	0.6	0.5	0.5	0.6	0.5
91.5°	0.8	0.6	0.7	0.5	0.4
92°	0.6	0.6	0.6	0.7	0.6
92.5°	0.7	0.6	0.6	0.7	0.6
93°	0.7	0.7	0.7	0.6	0.5
93.5°	0.8	0.6	0.7	0.7	0.8
94°	0.8	0.7	0.8	0.7	0.8
94.5°	0.8	0.8	0.7	0.8	0.8
95°	0.8	0.6	0.8	0.7	0.8
95.5°	0.7	0.8	0.8	0.8	0.8
96°	0.9	0.9	0.8	0.8	0.8
96.5°	0.9	0.8	0.8	0.8	0.8
97°	0.9	0.8	0.9	0.8	1.0
97.5°	1.0	0.8	0.8	0.8	1.0
98°	1.1	0.9	0.9	0.9	1.1
98.5°	1.1	0.9	0.8	0.8	1.0
99°	1.0	1.0	0.9	0.8	0.9
99.5°	1.1	0.8	1.0	0.9	0.9
100°	1.1	1.0	1.0	1.0	1.1
100.5°	1.1	1.1	1.0	1.1	1.1
101°	1.2	1.0	1.0	1.0	1.0
101.5°	1.3	1.0	1.1	1.1	1.2
102°	1.4	1.1	1.2	1.1	1.2
102.5°	1.2	1.1	1.1	1.2	1.2
103°	1.2	1.0	1.2	1.1	1.2
103.5°	1.3	1.3	1.2	1.2	1.1
104°	1.4	1.3	1.3	1.2	1.1
104.5°	1.3	1.4	1.4	1.4	1.2
105°	1.5	1.4	1.3	1.4	1.4
105.5°	1.4	1.2	1.4	1.3	1.3
106°	1.4	1.4	1.4	1.4	1.5
106.5°	1.5	1.4	1.4	1.4	1.3
107°	1.4	1.4	1.5	1.5	1.4
107.5°	1.6	1.4	1.5	1.6	1.5
108°	1.6	1.4	1.4	1.6	1.4
108.5°	1.6	1.6	1.6	1.5	1.4
109°	1.7	1.6	1.6	1.6	1.7
109.5°	1.8	1.5	1.8	1.7	1.5
110°	1.7	1.7	1.7	1.8	1.7
110.5°	1.8	1.7	1.8	1.8	1.9
111°	1.8	1.9	1.9	1.9	1.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.1	2.2	2.1	2.0
113°	2.3	2.0	2.0	2.1	2.1
113.5°	2.3	2.3	2.3	2.4	2.4
114°	2.4	2.4	2.5	2.5	2.4
114.5°	2.5	2.5	2.5	2.5	2.3
115°	2.5	2.5	2.5	2.5	2.5
115.5°	2.8	2.5	2.7	2.6	2.5
116°	2.7	2.8	2.8	2.7	2.6
116.5°	2.9	2.9	2.9	2.9	2.8
117°	3.1	3.1	3.1	3.1	2.7
117.5°	3.2	3.1	3.1	3.1	2.9
118°	3.2	3.1	3.3	3.1	3.0
118.5°	3.5	3.3	3.3	3.2	3.1
119°	3.5	3.5	3.6	3.3	3.3
119.5°	3.6	3.6	3.6	3.5	3.4
120°	3.7	3.7	3.7	3.6	3.7
120.5°	3.8	3.7	3.8	3.7	3.7
121°	3.8	3.8	3.8	3.8	3.7
121.5°	4.2	4.1	4.0	3.8	3.8
122°	4.0	4.2	4.1	4.0	4.1
122.5°	4.3	4.2	4.2	4.2	4.0
123°	4.4	4.4	4.2	4.2	4.2
123.5°	4.4	4.6	4.3	4.2	4.3
124°	4.5	4.6	4.5	4.3	4.3
124.5°	4.8	4.6	4.5	4.4	4.4
125°	4.9	4.8	4.7	4.6	4.6
125.5°	4.9	4.8	4.7	4.6	4.7
126°	4.9	4.8	4.7	4.7	4.6
126.5°	4.8	4.8	4.9	4.7	4.8
127°	4.9	4.9	4.8	4.7	4.6
127.5°	5.1	5.0	4.9	4.7	4.6
128°	5.1	4.8	4.8	4.7	4.8
128.5°	4.9	4.9	4.8	4.6	4.8
129°	4.8	4.8	4.8	4.7	4.6
129.5°	4.8	4.8	4.8	4.7	4.7
130°	4.8	4.8	4.7	4.5	4.6
130.5°	4.9	4.8	4.8	4.3	4.6
131°	4.7	4.7	4.7	4.4	4.5
131.5°	4.8	4.6	4.4	4.3	4.4
132°	4.7	4.5	4.5	4.3	4.3
132.5°	4.7	4.5	4.4	4.3	4.4
133°	4.5	4.3	4.3	4.1	4.2
133.5°	4.6	4.3	4.2	4.0	4.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	4.4	4.2	4.0	3.9	4.2
135.5°	4.2	4.2	4.0	3.8	4.1
136°	4.1	4.0	3.8	3.7	4.1
136.5°	4.2	4.0	3.8	3.7	4.0
137°	4.1	3.9	3.8	3.7	3.9
137.5°	4.0	3.8	3.7	3.5	3.7
138°	3.9	3.7	3.6	3.5	3.7
138.5°	4.0	3.7	3.7	3.4	3.7
139°	3.5	3.7	3.6	3.2	3.7
139.5°	3.7	3.5	3.4	3.3	3.7
140°	3.7	3.4	3.5	3.2	3.4
140.5°	3.7	3.4	3.4	3.2	3.4
141°	3.5	3.4	3.3	3.1	3.2
141.5°	3.2	3.4	3.4	3.1	3.2
142°	3.1	3.1	3.3	3.1	3.0
142.5°	3.1	3.3	3.2	3.1	3.0
143°	3.3	3.2	3.2	3.1	3.0
143.5°	3.3	3.2	3.2	3.0	3.0
144°	3.3	3.1	3.3	2.9	3.1
144.5°	3.1	3.1	3.1	3.0	3.1
145°	3.2	3.1	3.1	2.8	3.1
145.5°	3.1	3.0	3.1	2.8	3.2
146°	3.1	3.0	2.9	2.8	3.1
146.5°	3.2	3.0	2.9	2.8	3.1
147°	3.1	3.0	2.8	2.9	2.9
147.5°	3.1	3.0	2.8	2.9	3.1
148°	3.1	3.0	2.9	2.8	3.1
148.5°	3.2	3.1	2.9	2.8	3.1
149°	3.1	3.0	2.9	2.8	3.1
149.5°	3.3	2.9	2.9	2.8	3.2
150°	3.2	3.1	2.9	2.8	3.1
150.5°	3.1	3.0	2.9	2.9	3.1
151°	3.3	3.0	2.8	2.9	3.3
151.5°	3.2	3.1	2.8	2.9	3.3
152°	3.3	3.1	3.0	3.1	3.1
152.5°	3.3	3.1	2.9	3.0	3.3
153°	3.2	3.1	3.0	3.1	3.4
153.5°	3.5	3.1	2.9	3.1	3.3
154°	3.3	3.1	3.1	3.1	3.3
154.5°	3.3	3.1	3.1	3.2	3.4
155°	3.1	3.1	3.1	3.2	3.5
155.5°	3.3	3.1	3.1	3.1	3.4
156°	3.1	3.1	3.1	3.1	3.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	3.1	3.0	3.1	3.2	3.3
158°	3.4	3.1	3.1	3.1	3.4
158.5°	3.2	3.1	3.0	3.1	3.3
159°	3.3	3.1	3.1	3.1	3.5
159.5°	3.2	3.1	3.1	3.1	3.6
160°	3.2	3.1	3.0	3.1	3.4
160.5°	3.1	3.1	3.1	3.2	3.4
161°	3.1	3.1	3.1	3.2	3.4
161.5°	3.2	3.1	3.1	3.1	3.2
162°	3.1	3.1	3.1	3.2	3.2
162.5°	3.3	3.2	3.1	3.1	3.3
163°	3.3	3.1	3.2	3.2	3.2
163.5°	3.2	3.1	3.2	3.2	3.5
164°	3.1	3.2	3.1	3.4	3.4
164.5°	3.1	3.3	3.2	3.4	3.5
165°	3.1	3.1	3.1	3.3	3.4
165.5°	3.0	3.1	3.1	3.6	3.4
166°	3.2	3.2	3.1	3.4	3.3
166.5°	3.2	3.1	3.1	3.5	3.1
167°	3.1	3.4	3.1	3.6	3.5
167.5°	3.2	3.4	3.2	3.7	3.5
168°	3.3	3.3	3.1	3.6	3.4
168.5°	3.2	3.5	3.3	3.8	3.5
169°	3.5	3.4	3.1	3.8	3.5
169.5°	3.4	3.4	3.2	3.7	3.6
170°	3.5	3.4	3.3	3.8	3.5
170.5°	3.5	3.6	3.3	3.8	3.7
171°	3.5	3.5	3.5	3.8	3.7
171.5°	3.4	3.5	3.5	3.9	3.6
172°	3.4	3.5	3.6	3.9	3.7
172.5°	3.6	3.6	3.7	3.9	3.7
173°	3.4	3.4	3.7	3.9	3.7
173.5°	3.7	3.6	3.7	3.8	3.8
174°	3.7	3.7	4.0	3.9	3.7
174.5°	3.7	3.9	3.9	4.1	3.9
175°	4.0	3.9	4.0	4.1	3.8
175.5°	4.0	3.9	4.2	4.0	4.0
176°	4.2	4.1	4.0	3.9	3.9
176.5°	4.2	4.0	4.1	3.7	3.9
177°	4.1	4.0	3.8	3.7	3.9
177.5°	4.2	4.0	3.7	3.7	4.0
178°	3.9	3.8	3.7	3.7	3.7
178.5°	3.8	3.7	3.6	3.6	3.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.3	3.3	3.3	3.3	3.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







21.5°	3493.2	3489.0	3472.0	3455.8	3449.0
22°	3491.5	3487.3	3469.4	3453.3	3446.5



44°	3126.9	3114.2	3088.7	3073.4	3063.2
44.5°	3107.4	3093.8	3070.0	3053.8	3043.6



66.5°	1670.1	1663.3	1650.6	1646.3	1642.1
67°	1628.5	1620.8	1608.9	1604.7	1601.3



89°	24.8	24.4	24.1	25.4	25.8
89.5°	11.0	11.1	10.9	11.6	11.5



111.5°	2.1	1.9	2.0	2.0	1.9
112°	2.1	2.0	2.0	2.0	2.1



134°	4.3	4.2	4.2	4.1	4.3
134.5°	4.4	4.2	4.2	3.9	4.1



156.5°	3.3	3.1	3.1	3.2	3.3
157°	3.2	3.1	3.1	3.1	3.3



179°	3.7	3.6	3.4	3.5	3.7
179.5°	3.2	3.4	3.3	3.2	3.5



(END OF REPORT)