

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: P506432

Luminaire Tested: **22PD-70-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PL1-L840
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

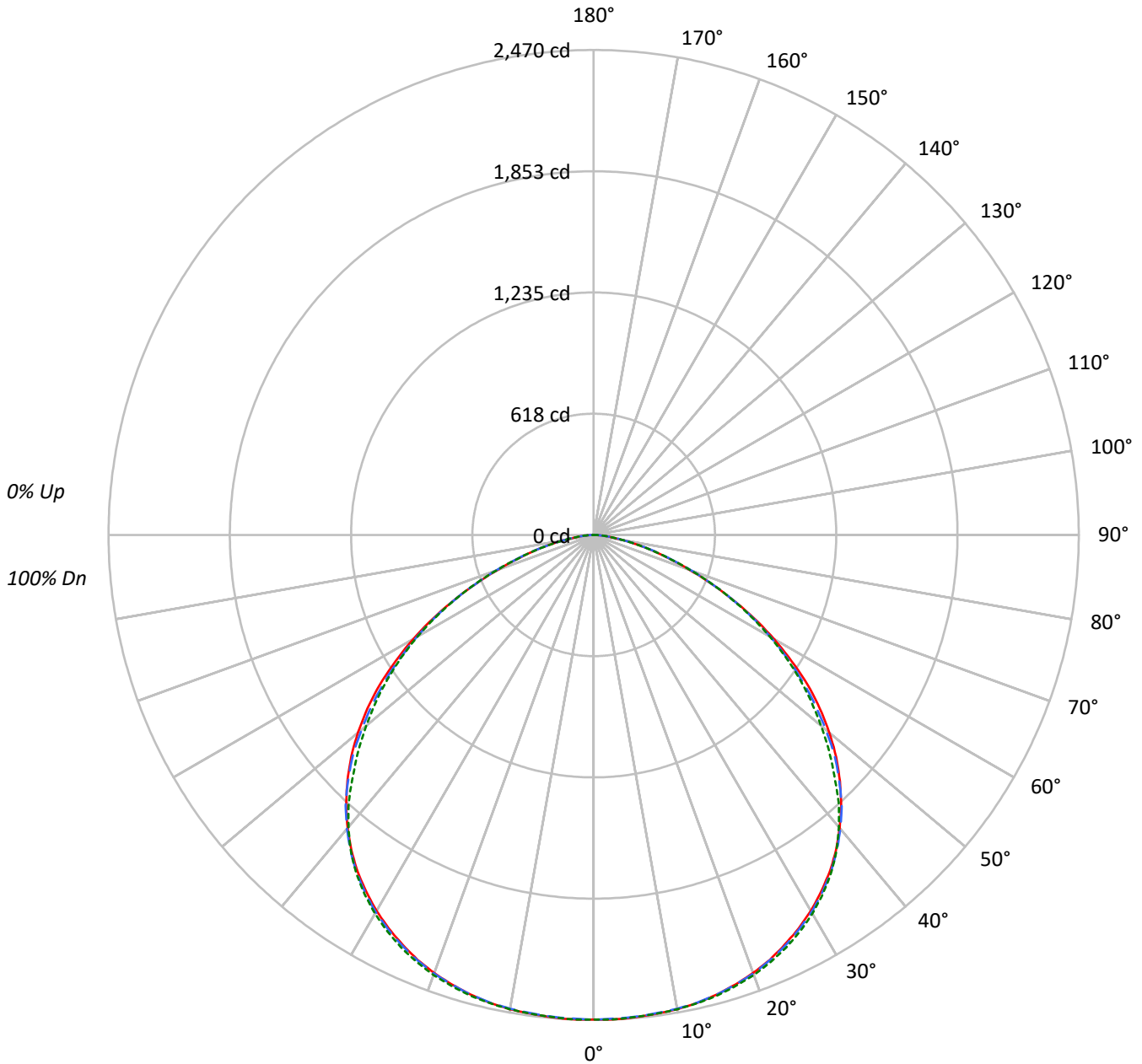
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6991.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V): NR
Input Current (A_{in}): 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

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Luminous Intensity Polar Plot





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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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6642	6642	6642
5°	6661	6654	6656
10°	6702	6695	6702
15°	6751	6751	6765
20°	6800	6807	6830
25°	6836	6852	6885
30°	6870	6892	6919
35°	6881	6904	6918
40°	6845	6864	6821
45°	6748	6728	6592
50°	6557	6455	6324
55°	6239	6080	6010
60°	5711	5604	5571
65°	4981	4970	4953
70°	4083	4151	4137
75°	3236	3290	3236
80°	2371	2357	2343
85°	1584	1556	1664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	3.4
10°-20°	684.9	9.8
20°-30°	1064.6	15.2
30°-40°	1312.4	18.8
40°-50°	1355.6	19.4
50°-60°	1159.9	16.6
60°-70°	774.1	11.1
70°-80°	339.7	4.9
80°-90°	65.7	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°-30°	1984.2	28.4
0°-40°	3296.6	47.2
0°-60°	5812.1	83.1
0°-90°	6991.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6991.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2466	2462	2463	2461	2464	235
15°	2423	2421	2423	2425	2428	685
25°	2302	2302	2308	2315	2319	1062
35°	2095	2095	2102	2106	2106	1309
45°	1773	1772	1768	1751	1732	1365
55°	1330	1313	1296	1289	1281	1182
65°	782	780	780	783	778	776
75°	311	309	316	315	311	337
85°	51	50	50	52	54	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2468.4	2468.4	2468.4	2468.4	2468.4
2.5°	2470.1	2466.7	2465.8	2465.8	2470.1
5°	2465.8	2462.3	2463.2	2461.4	2464.1
7.5°	2459.7	2456.2	2457.1	2456.2	2459.7
10°	2452.8	2449.3	2450.2	2449.3	2452.8
12.5°	2440.6	2438.0	2439.7	2440.6	2443.2
15°	2423.2	2420.6	2423.2	2424.9	2428.4
17.5°	2400.6	2398.9	2401.5	2404.1	2408.4
20°	2374.5	2372.8	2377.1	2379.7	2385.0
22.5°	2342.4	2340.6	2345.0	2351.1	2354.5
25°	2302.4	2302.4	2307.6	2314.6	2318.9
27.5°	2259.8	2258.9	2265.0	2272.0	2276.3
30°	2211.1	2209.4	2218.1	2224.2	2226.8
32.5°	2154.6	2155.5	2163.3	2169.4	2170.3
35°	2094.7	2094.7	2101.6	2106.0	2106.0
37.5°	2026.0	2025.1	2032.1	2033.8	2031.2
40°	1948.6	1949.5	1953.9	1953.0	1941.7
42.5°	1865.2	1866.1	1869.6	1857.4	1846.1
45°	1773.1	1772.2	1767.9	1751.3	1732.2
47.5°	1674.9	1670.5	1663.6	1638.4	1624.5
50°	1566.2	1559.3	1541.9	1521.9	1510.6
52.5°	1451.5	1439.3	1421.9	1406.3	1396.7
55°	1329.8	1313.3	1295.9	1289.0	1281.1
57.5°	1194.2	1183.8	1169.0	1165.5	1160.3
60°	1061.2	1049.9	1041.2	1041.2	1035.2
62.5°	922.2	915.2	911.7	913.5	907.4
65°	782.2	780.5	780.5	783.1	777.9
67.5°	646.7	650.1	649.3	658.0	651.0
70°	518.9	525.0	527.6	536.3	525.8
72.5°	408.5	409.4	412.8	415.5	410.2
75°	311.2	308.6	316.4	314.6	311.2
77.5°	225.1	223.4	226.0	227.7	223.4
80°	153.0	151.2	152.1	154.7	151.2
82.5°	96.5	94.7	94.7	97.3	96.5
85°	51.3	50.4	50.4	52.1	53.9
87.5°	18.3	17.4	18.3	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)