

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: P506333

Luminaire Tested: **22PD-50-PR1-L840**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P506333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-50-PR1-L840  
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

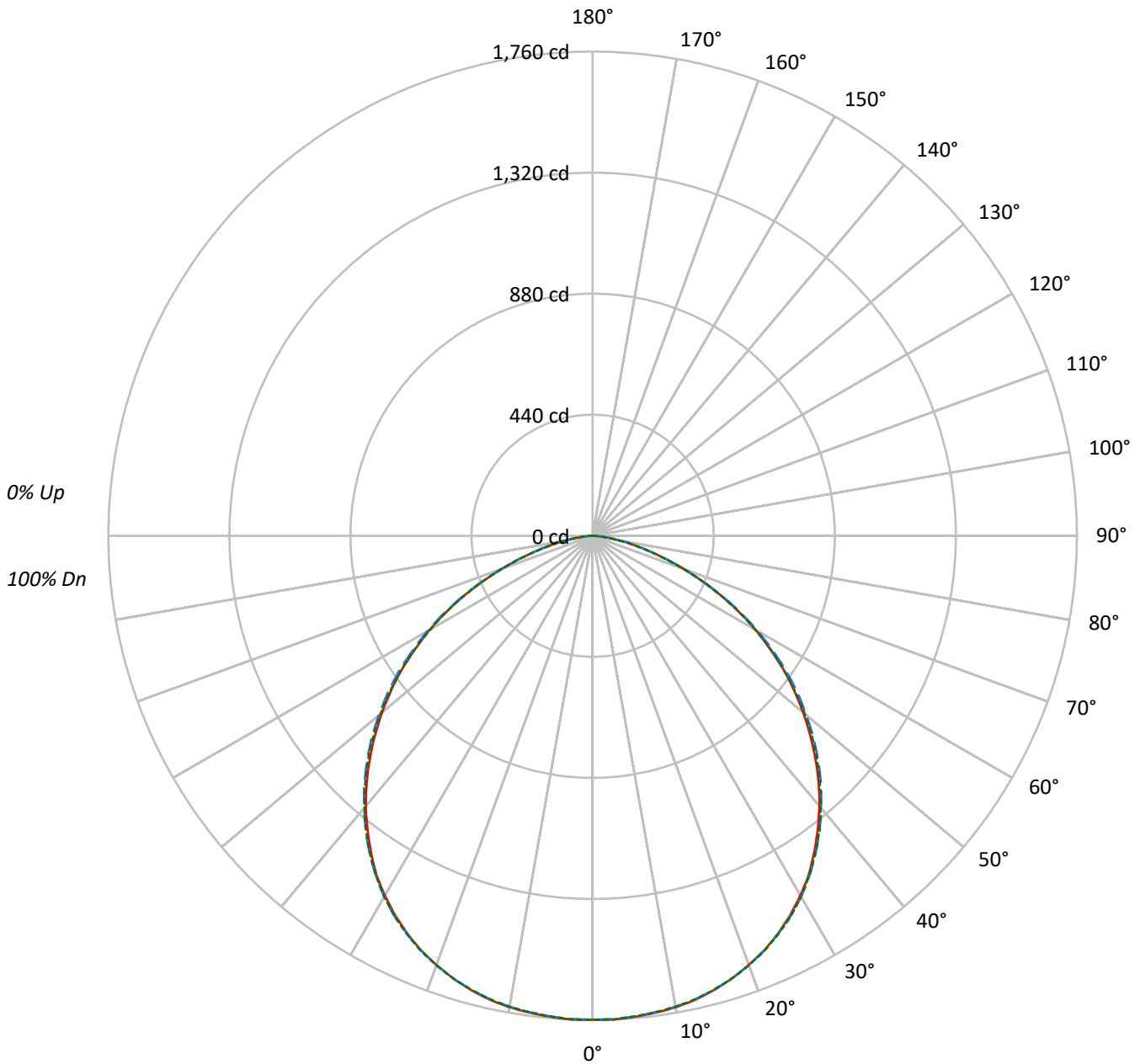
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4701.0 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4734	4734	4734
5°	4741	4738	4738
10°	4756	4749	4749
15°	4762	4757	4759
20°	4755	4753	4757
25°	4735	4740	4744
30°	4692	4707	4708
35°	4613	4638	4636
40°	4506	4536	4530
45°	4357	4413	4391
50°	4181	4245	4210
55°	3968	4032	3974
60°	3679	3730	3667
65°	3282	3316	3279
70°	2761	2761	2743
75°	2164	2164	2139
80°	1585	1567	1557
85°	1034	1034	1053



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.9	3.6
10°-20°	482.1	10.3
20°-30°	735.4	15.6
30°-40°	881.4	18.7
40°-50°	890.1	18.9
50°-60°	761.6	16.2
60°-70°	513.6	10.9
70°-80°	226.6	4.8
80°-90°	43.5	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°	1384.4	29.4
0°-40°	2265.7	48.2
0°-60°	3917.4	83.3
0°-90°	4701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4701.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1759	1759	1759	1759	1759	
5°	1755	1753	1754	1753	1754	167
15°	1709	1709	1708	1707	1708	482
25°	1595	1596	1596	1596	1598	735
35°	1404	1412	1412	1411	1411	878
45°	1145	1154	1160	1158	1154	882
55°	846	854	859	858	847	754
65°	516	520	521	520	515	509
75°	208	209	208	209	206	227
85°	34	34	34	34	34	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1759.3	1759.3	1759.3	1759.3	1759.3
2.5°	1760.4	1758.1	1757.5	1756.9	1759.3
5°	1755.2	1752.8	1754.0	1752.8	1754.0
7.5°	1748.7	1746.3	1746.9	1745.8	1746.9
10°	1740.5	1738.1	1738.1	1736.9	1738.1
12.5°	1727.5	1725.8	1725.2	1724.0	1725.8
15°	1709.3	1708.7	1707.5	1707.0	1708.1
17.5°	1687.0	1685.8	1687.0	1685.2	1686.4
20°	1660.5	1661.1	1659.9	1660.5	1661.1
22.5°	1630.5	1630.5	1631.1	1631.1	1632.3
25°	1594.7	1596.5	1596.5	1596.5	1597.6
27.5°	1554.7	1557.1	1558.8	1557.7	1558.8
30°	1510.0	1514.2	1514.8	1514.2	1515.3
32.5°	1461.8	1464.8	1466.6	1465.4	1464.2
35°	1404.2	1412.5	1411.9	1410.7	1411.3
37.5°	1343.7	1351.9	1354.9	1352.5	1353.1
40°	1282.6	1289.6	1291.4	1292.0	1289.6
42.5°	1215.0	1223.2	1229.7	1226.7	1223.2
45°	1145.0	1153.8	1159.7	1158.0	1153.8
47.5°	1072.7	1081.0	1089.2	1086.2	1082.1
50°	998.7	1006.9	1013.9	1012.8	1005.7
52.5°	922.8	932.2	938.7	936.4	927.0
55°	845.8	853.5	859.4	858.2	847.0
57.5°	762.4	772.4	775.3	773.5	765.3
60°	683.6	690.1	693.0	690.7	681.3
62.5°	599.6	604.8	607.2	606.6	600.1
65°	515.5	519.6	520.8	519.6	514.9
67.5°	429.1	435.0	435.6	435.6	430.9
70°	350.9	352.7	350.9	355.6	348.6
72.5°	275.1	276.3	275.1	275.1	272.1
75°	208.1	208.7	208.1	208.7	205.7
77.5°	150.5	151.7	149.3	151.1	148.1
80°	102.3	102.3	101.1	101.7	100.5
82.5°	63.5	64.7	62.9	62.9	62.3
85°	33.5	33.5	33.5	34.1	34.1
87.5°	11.8	11.8	12.3	12.3	11.8
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)