

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: P506388

Luminaire Tested: **22PD-60-PR1-L850**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506388  
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-60-PR1-L850  
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

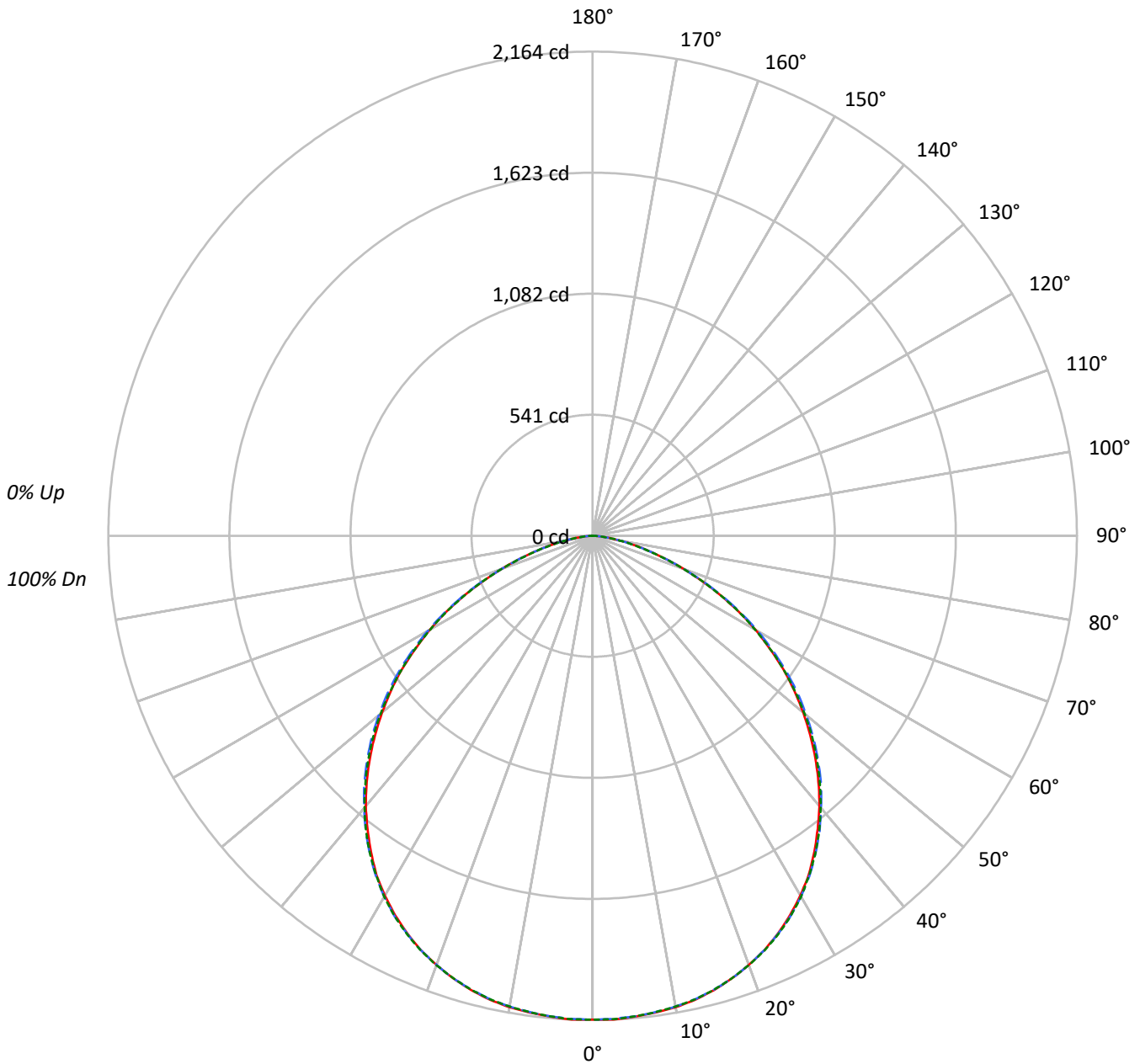
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5779.0 lumens  
Efficiency: N/A  
Efficacy: 110.1 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): 52.5  
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

TEST NUMBER: P506388

CATALOG NUMBER: 22PD-60-PR1-L850

### Luminous Intensity Polar Plot





TEST NUMBER: P506388

CATALOG NUMBER: 22PD-60-PR1-L850

**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°	5820	5820	5820
5°	5828	5824	5824
10°	5846	5839	5839
15°	5854	5848	5850
20°	5846	5844	5848
25°	5821	5827	5831
30°	5768	5786	5788
35°	5671	5702	5699
40°	5539	5577	5569
45°	5357	5426	5398
50°	5140	5218	5176
55°	4878	4956	4885
60°	4523	4585	4507
65°	4035	4076	4031
70°	3394	3394	3371
75°	2660	2660	2629
80°	1948	1926	1915
85°	1272	1272	1294



TEST NUMBER: P506388

CATALOG NUMBER: 22PD-60-PR1-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.2	3.6
10°-20°	592.7	10.3
20°-30°	904.0	15.6
30°-40°	1083.5	18.7
40°-50°	1094.2	18.9
50°-60°	936.2	16.2
60°-70°	631.3	10.9
70°-80°	278.5	4.8
80°-90°	53.5	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°	1701.9	29.4
0°-40°	2785.3	48.2
0°-60°	4815.7	83.3
0°-90°	5779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2163	2163	2163	2163	2163	
5°	2158	2155	2156	2155	2156	205
15°	2101	2101	2099	2098	2100	593
25°	1960	1962	1962	1962	1964	903
35°	1726	1736	1736	1734	1735	1079
45°	1408	1418	1426	1424	1418	1085
55°	1040	1049	1056	1055	1041	926
65°	634	639	640	639	633	626
75°	256	256	256	256	253	279
85°	41	41	41	42	42	53
90°	0	0	0	0	0	



TEST NUMBER: P506388

CATALOG NUMBER: 22PD-60-PR1-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2162.7	2162.7	2162.7	2162.7	2162.7
2.5°	2164.1	2161.3	2160.5	2159.8	2162.7
5°	2157.6	2154.7	2156.2	2154.7	2156.2
7.5°	2149.7	2146.8	2147.5	2146.1	2147.5
10°	2139.6	2136.7	2136.7	2135.2	2136.7
12.5°	2123.7	2121.5	2120.8	2119.3	2121.5
15°	2101.3	2100.6	2099.1	2098.4	2099.8
17.5°	2073.8	2072.4	2073.8	2071.7	2073.1
20°	2041.3	2042.0	2040.6	2041.3	2042.0
22.5°	2004.5	2004.5	2005.2	2005.2	2006.6
25°	1960.4	1962.5	1962.5	1962.5	1964.0
27.5°	1911.2	1914.1	1916.3	1914.9	1916.3
30°	1856.3	1861.4	1862.1	1861.4	1862.8
32.5°	1797.1	1800.7	1802.8	1801.4	1800.0
35°	1726.3	1736.4	1735.6	1734.2	1734.9
37.5°	1651.8	1661.9	1665.6	1662.7	1663.4
40°	1576.7	1585.4	1587.5	1588.2	1585.4
42.5°	1493.6	1503.7	1511.6	1508.0	1503.7
45°	1407.6	1418.4	1425.7	1423.5	1418.4
47.5°	1318.7	1328.8	1339.0	1335.3	1330.3
50°	1227.7	1237.8	1246.5	1245.0	1236.3
52.5°	1134.5	1146.0	1154.0	1151.1	1139.5
55°	1039.8	1049.2	1056.4	1055.0	1041.2
57.5°	937.2	949.5	953.1	950.9	940.8
60°	840.4	848.3	851.9	849.0	837.5
62.5°	737.0	743.5	746.4	745.7	737.8
65°	633.7	638.8	640.2	638.8	633.0
67.5°	527.5	534.7	535.4	535.4	529.7
70°	431.4	433.6	431.4	437.2	428.5
72.5°	338.2	339.6	338.2	338.2	334.6
75°	255.8	256.5	255.8	256.5	252.9
77.5°	185.0	186.4	183.5	185.7	182.1
80°	125.7	125.7	124.3	125.0	123.6
82.5°	78.0	79.5	77.3	77.3	76.6
85°	41.2	41.2	41.2	41.9	41.9
87.5°	14.5	14.5	15.2	15.2	14.5
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)