

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: P506501

Luminaire Tested: **22PD-80-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

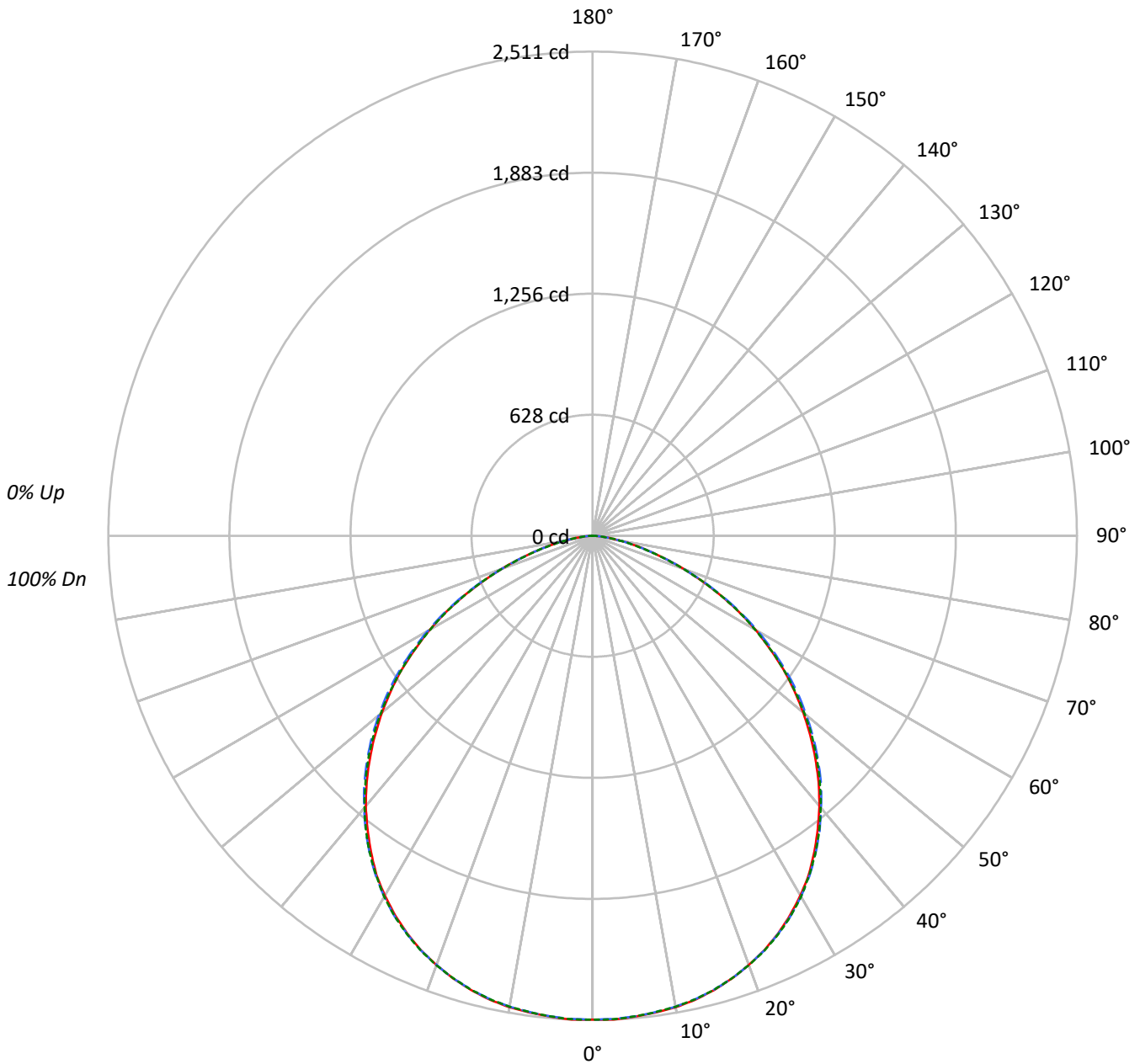
Test Method: LM-79-08  
Report Number: P506501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PR1-L950  
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6706.0 lumens  
Efficiency: N/A  
Efficacy: 91.4 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): 73.4  
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: P506501  
CATALOG NUMBER: 22PD-80-PR1-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P506501

CATALOG NUMBER: 22PD-80-PR1-L950

**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°	6753	6753	6753
5°	6763	6759	6759
10°	6784	6775	6775
15°	6793	6786	6788
20°	6783	6781	6786
25°	6754	6762	6767
30°	6693	6714	6717
35°	6581	6616	6614
40°	6427	6471	6463
45°	6216	6296	6264
50°	5964	6055	6006
55°	5661	5751	5669
60°	5248	5321	5230
65°	4683	4730	4677
70°	3939	3939	3912
75°	3086	3086	3052
80°	2261	2235	2222
85°	1476	1476	1501



TEST NUMBER: P506501

CATALOG NUMBER: 22PD-80-PR1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.1	3.6
10°-20°	687.7	10.3
20°-30°	1049.0	15.6
30°-40°	1257.3	18.7
40°-50°	1269.7	18.9
50°-60°	1086.4	16.2
60°-70°	732.6	10.9
70°-80°	323.2	4.8
80°-90°	62.0	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°	1974.8	29.4
0°-40°	3232.1	48.2
0°-60°	5588.2	83.3
0°-90°	6706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6706.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2510	2510	2510	2510	2510	
5°	2504	2500	2502	2500	2502	238
15°	2438	2438	2436	2435	2437	688
25°	2275	2277	2277	2277	2279	1048
35°	2003	2015	2014	2012	2013	1252
45°	1633	1646	1654	1652	1646	1259
55°	1207	1218	1226	1224	1208	1075
65°	735	741	743	741	734	727
75°	297	298	297	298	294	323
85°	48	48	48	49	49	62
90°	0	0	0	0	0	



TEST NUMBER: P506501

CATALOG NUMBER: 22PD-80-PR1-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2509.6	2509.6	2509.6	2509.6	2509.6
2.5°	2511.3	2507.9	2507.1	2506.3	2509.6
5°	2503.7	2500.4	2502.1	2500.4	2502.1
7.5°	2494.5	2491.2	2492.0	2490.3	2492.0
10°	2482.8	2479.4	2479.4	2477.7	2479.4
12.5°	2464.3	2461.8	2461.0	2459.3	2461.8
15°	2438.3	2437.5	2435.8	2435.0	2436.7
17.5°	2406.5	2404.8	2406.5	2404.0	2405.6
20°	2368.7	2369.6	2367.9	2368.7	2369.6
22.5°	2326.0	2326.0	2326.8	2326.8	2328.5
25°	2274.8	2277.3	2277.3	2277.3	2279.0
27.5°	2217.8	2221.2	2223.7	2222.0	2223.7
30°	2154.1	2160.0	2160.8	2160.0	2161.6
32.5°	2085.3	2089.5	2092.0	2090.4	2088.7
35°	2003.2	2014.9	2014.1	2012.4	2013.2
37.5°	1916.8	1928.5	1932.7	1929.4	1930.2
40°	1829.6	1839.7	1842.2	1843.0	1839.7
42.5°	1733.2	1744.9	1754.1	1749.9	1744.9
45°	1633.4	1646.0	1654.3	1651.8	1646.0
47.5°	1530.3	1542.0	1553.7	1549.5	1543.7
50°	1424.6	1436.3	1446.4	1444.7	1434.7
52.5°	1316.4	1329.9	1339.1	1335.7	1322.3
55°	1206.6	1217.5	1225.9	1224.2	1208.3
57.5°	1087.5	1101.8	1106.0	1103.5	1091.7
60°	975.2	984.4	988.6	985.2	971.8
62.5°	855.3	862.8	866.2	865.3	856.1
65°	735.4	741.2	742.9	741.2	734.5
67.5°	612.1	620.5	621.3	621.3	614.6
70°	500.6	503.1	500.6	507.3	497.2
72.5°	392.4	394.1	392.4	392.4	388.2
75°	296.8	297.7	296.8	297.7	293.5
77.5°	214.7	216.3	213.0	215.5	211.3
80°	145.9	145.9	144.2	145.1	143.4
82.5°	90.6	92.2	89.7	89.7	88.9
85°	47.8	47.8	47.8	48.6	48.6
87.5°	16.8	16.8	17.6	17.6	16.8
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)