

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: P506159

Luminaire Tested: **14PD-80-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-80-PW1-L950  
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

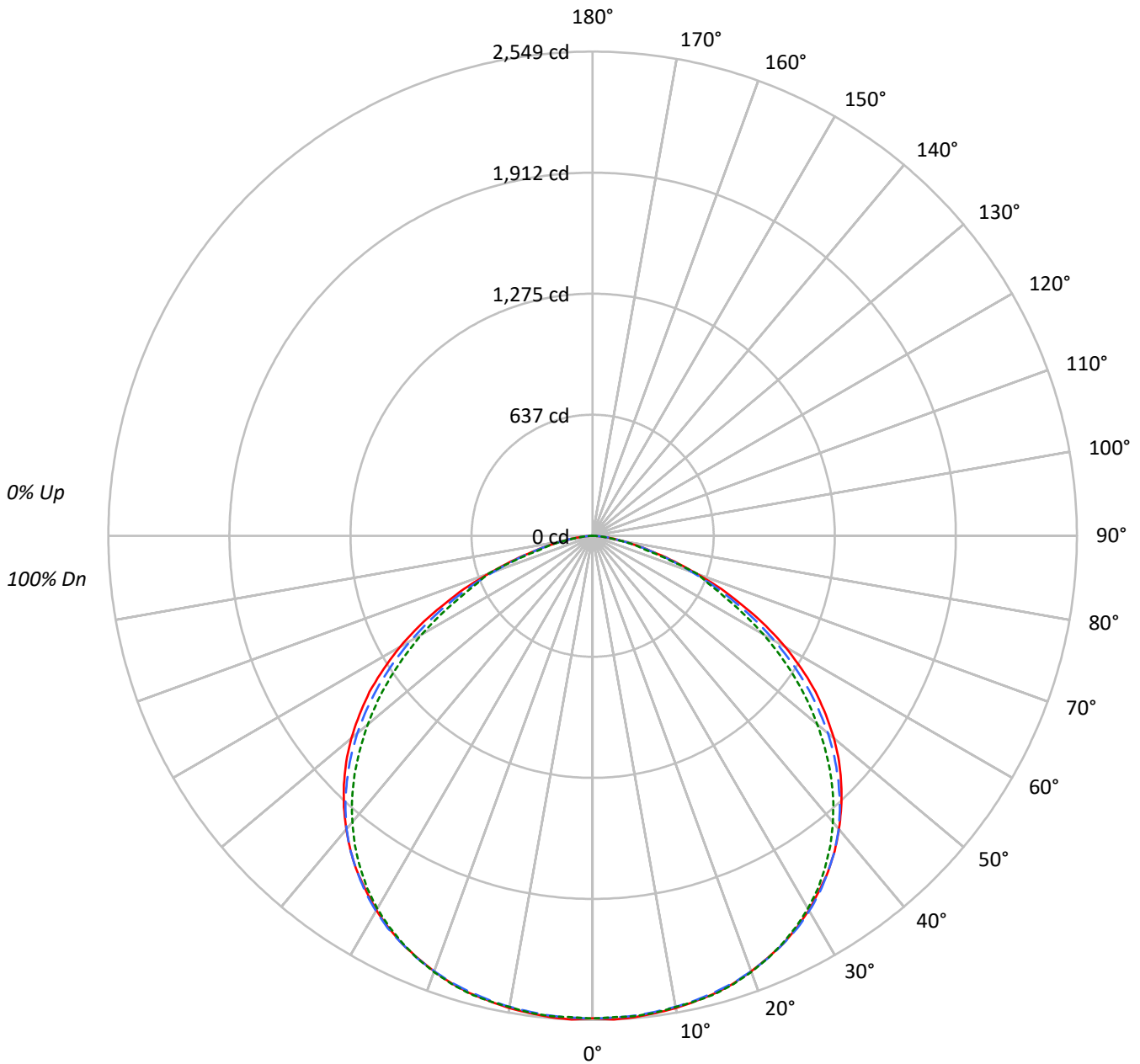
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7235.8 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 84.4  
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: P506159  
CATALOG NUMBER: 14PD-80-PW1-L950

### 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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	6837	6837	6837
5°	6871	6851	6859
10°	6899	6880	6883
15°	6946	6930	6954
20°	6988	6984	6996
25°	7040	7040	7028
30°	7073	7087	7042
35°	7096	7096	7006
40°	7084	7078	6912
45°	7045	6963	6739
50°	6939	6770	6463
55°	6725	6442	6091
60°	6300	5952	5581
65°	5578	5258	4911
70°	4554	4350	4588
75°	3434	3375	3032
80°	2470	2315	2315
85°	1553	1463	1288



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.6	3.3
10°-20°	703.3	9.7
20°-30°	1091.8	15.1
30°-40°	1344.7	18.6
40°-50°	1400.0	19.3
50°-60°	1217.5	16.8
60°-70°	817.9	11.3
70°-80°	354.0	4.9
80°-90°	65.0	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°	2036.7	28.1
0°-40°	3381.4	46.7
0°-60°	5998.8	82.9
0°-90°	7235.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7235.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2541	2541	2541	2541	2541	
5°	2544	2528	2536	2542	2539	242
15°	2493	2476	2488	2496	2496	704
25°	2371	2360	2371	2371	2367	1093
35°	2160	2154	2160	2141	2133	1350
45°	1851	1846	1830	1788	1771	1426
55°	1433	1408	1373	1318	1298	1274
65°	876	860	826	787	771	868
75°	330	333	325	332	292	364
85°	50	52	47	42	42	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2549.3	2533.5	2539.2	2547.9	2536.4
5°	2543.6	2527.8	2536.4	2542.1	2539.2
7.5°	2534.9	2523.4	2527.8	2533.5	2532.1
10°	2524.9	2513.4	2517.7	2523.4	2519.1
12.5°	2509.1	2496.2	2504.8	2510.5	2509.1
15°	2493.3	2476.0	2487.5	2496.2	2496.2
17.5°	2470.3	2455.9	2467.4	2474.6	2473.2
20°	2440.1	2430.1	2438.7	2444.5	2443.0
22.5°	2405.7	2398.5	2408.5	2408.5	2408.5
25°	2371.2	2359.7	2371.2	2371.2	2366.9
27.5°	2326.7	2316.6	2331.0	2326.7	2319.5
30°	2276.4	2270.7	2280.7	2273.5	2266.4
32.5°	2217.5	2214.7	2224.7	2210.3	2204.6
35°	2160.1	2154.3	2160.1	2141.4	2132.8
37.5°	2092.6	2086.8	2092.6	2068.2	2055.2
40°	2016.5	2012.1	2015.0	1983.4	1967.6
42.5°	1937.5	1933.2	1926.0	1887.2	1874.3
45°	1851.3	1845.5	1829.7	1788.1	1770.9
47.5°	1759.4	1749.3	1726.3	1681.8	1658.8
50°	1657.4	1643.0	1617.2	1568.4	1543.9
52.5°	1546.8	1529.6	1496.5	1447.7	1424.7
55°	1433.4	1407.5	1373.0	1318.5	1298.3
57.5°	1304.1	1276.8	1240.9	1190.6	1167.6
60°	1170.5	1143.2	1105.9	1059.9	1037.0
62.5°	1028.3	1003.9	966.6	923.5	903.4
65°	876.1	860.3	825.8	787.1	771.3
67.5°	732.5	716.7	688.0	654.9	660.7
70°	578.8	577.4	552.9	530.0	583.1
72.5°	451.0	448.1	435.2	423.7	420.8
75°	330.3	333.2	324.6	331.8	291.6
77.5°	232.7	235.5	234.1	214.0	224.1
80°	159.4	159.4	149.4	142.2	149.4
82.5°	96.2	114.9	103.4	84.7	81.9
85°	50.3	51.7	47.4	41.7	41.7
87.5°	18.7	21.5	18.7	17.2	15.8
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)