

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: P506105

Luminaire Tested: **14PD-70-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

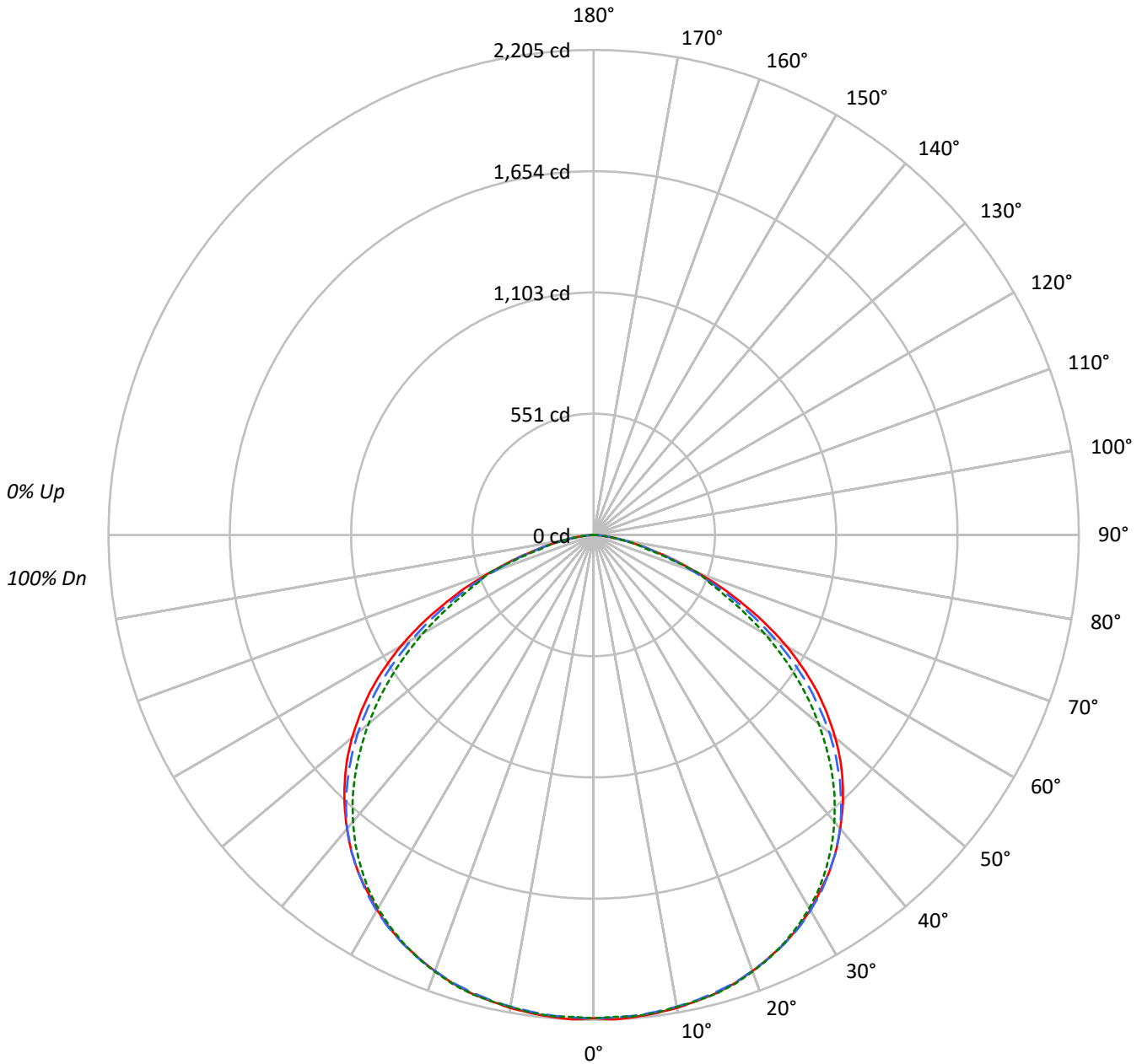
Test Method: LM-79-08  
Report Number: P506105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-70-PW1-L950  
Description: 7000 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: 6257.9 lumens  
Efficiency: N/A  
Efficacy: 87.9 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): 71.2  
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				20				
RC	80				70				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°	5913	5913	5913
5°	5942	5925	5932
10°	5967	5950	5953
15°	6007	5994	6014
20°	6044	6040	6051
25°	6089	6089	6078
30°	6118	6129	6091
35°	6137	6137	6060
40°	6126	6122	5978
45°	6093	6022	5829
50°	6001	5855	5590
55°	5816	5571	5268
60°	5448	5147	4827
65°	4825	4548	4247
70°	3939	3762	3968
75°	2970	2918	2622
80°	2137	2002	2002
85°	1343	1266	1112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.9	3.3
10°-20°	608.2	9.7
20°-30°	944.3	15.1
30°-40°	1163.0	18.6
40°-50°	1210.8	19.3
50°-60°	1052.9	16.8
60°-70°	707.4	11.3
70°-80°	306.2	4.9
80°-90°	56.2	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°	1761.4	28.1
0°-40°	2924.4	46.7
0°-60°	5188.2	82.9
0°-90°	6257.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6257.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2197	2197	2197	2197	2197	
5°	2200	2186	2194	2199	2196	209
15°	2156	2141	2151	2159	2159	609
25°	2051	2041	2051	2051	2047	945
35°	1868	1863	1868	1852	1845	1168
45°	1601	1596	1582	1546	1532	1233
55°	1240	1217	1188	1140	1123	1102
65°	758	744	714	681	667	750
75°	286	288	281	287	252	315
85°	44	45	41	36	36	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2197.3	2197.3	2197.3	2197.3	2197.3
2.5°	2204.8	2191.1	2196.1	2203.5	2193.6
5°	2199.8	2186.2	2193.6	2198.6	2196.1
7.5°	2192.4	2182.4	2186.2	2191.1	2189.9
10°	2183.7	2173.7	2177.5	2182.4	2178.7
12.5°	2170.0	2158.8	2166.3	2171.2	2170.0
15°	2156.3	2141.4	2151.4	2158.8	2158.8
17.5°	2136.5	2124.0	2134.0	2140.2	2139.0
20°	2110.4	2101.7	2109.1	2114.1	2112.9
22.5°	2080.6	2074.4	2083.1	2083.1	2083.1
25°	2050.8	2040.8	2050.8	2050.8	2047.0
27.5°	2012.3	2003.6	2016.0	2012.3	2006.0
30°	1968.8	1963.8	1972.5	1966.3	1960.1
32.5°	1917.9	1915.4	1924.1	1911.6	1906.7
35°	1868.2	1863.2	1868.2	1852.0	1844.6
37.5°	1809.8	1804.8	1809.8	1788.7	1777.5
40°	1744.0	1740.2	1742.7	1715.4	1701.7
42.5°	1675.6	1671.9	1665.7	1632.2	1621.0
45°	1601.1	1596.1	1582.5	1546.5	1531.6
47.5°	1521.6	1512.9	1493.0	1454.5	1434.7
50°	1433.4	1421.0	1398.6	1356.4	1335.3
52.5°	1337.8	1322.9	1294.3	1252.1	1232.2
55°	1239.6	1217.3	1187.5	1140.3	1122.9
57.5°	1127.9	1104.3	1073.2	1029.7	1009.9
60°	1012.3	988.7	956.4	916.7	896.8
62.5°	889.4	868.3	836.0	798.7	781.3
65°	757.7	744.0	714.2	680.7	667.0
67.5°	633.5	619.8	595.0	566.4	571.4
70°	500.6	499.3	478.2	458.3	504.3
72.5°	390.0	387.5	376.4	366.4	363.9
75°	285.7	288.2	280.7	286.9	252.2
77.5°	201.2	203.7	202.5	185.1	193.8
80°	137.9	137.9	129.2	123.0	129.2
82.5°	83.2	99.4	89.4	73.3	70.8
85°	43.5	44.7	41.0	36.0	36.0
87.5°	16.1	18.6	16.1	14.9	13.7
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)