

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: P506104

Luminaire Tested: **14PD-70-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506104
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-L940
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

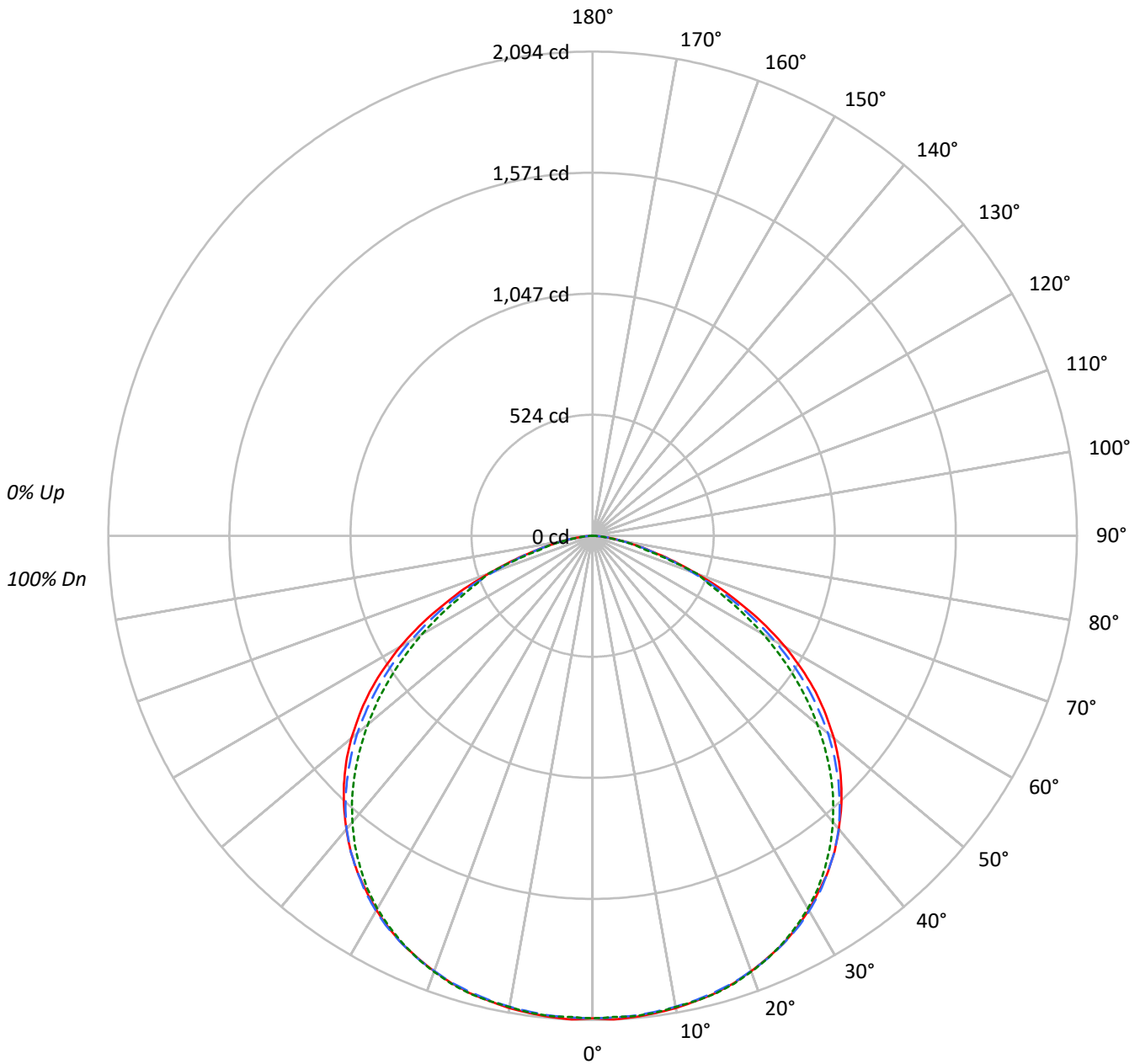
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5943.4 lumens
Efficiency: N/A
Efficacy: 83.5 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_{in}): 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	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°	5616	5616	5616
5°	5643	5628	5634
10°	5667	5651	5654
15°	5706	5692	5712
20°	5740	5736	5747
25°	5783	5783	5772
30°	5810	5821	5785
35°	5829	5829	5755
40°	5818	5814	5677
45°	5787	5719	5536
50°	5699	5561	5309
55°	5523	5291	5003
60°	5175	4889	4584
65°	4582	4319	4034
70°	3740	3574	3769
75°	2821	2772	2490
80°	2029	1901	1901
85°	1275	1201	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	3.3
10°-20°	577.7	9.7
20°-30°	896.8	15.1
30°-40°	1104.5	18.6
40°-50°	1149.9	19.3
50°-60°	1000.0	16.8
60°-70°	671.8	11.3
70°-80°	290.8	4.9
80°-90°	53.4	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°	1672.9	28.1
0°-40°	2777.4	46.7
0°-60°	4927.4	82.9
0°-90°	5943.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5943.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2087	2087	2087	2087	2087	
5°	2089	2076	2083	2088	2086	199
15°	2048	2034	2043	2050	2050	579
25°	1948	1938	1948	1948	1944	898
35°	1774	1770	1774	1759	1752	1109
45°	1521	1516	1503	1469	1455	1171
55°	1177	1156	1128	1083	1066	1046
65°	720	707	678	646	634	713
75°	271	274	267	272	240	299
85°	41	42	39	34	34	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2086.9	2086.9	2086.9	2086.9	2086.9
2.5°	2094.0	2081.0	2085.7	2092.8	2083.3
5°	2089.2	2076.3	2083.3	2088.1	2085.7
7.5°	2082.2	2072.7	2076.3	2081.0	2079.8
10°	2073.9	2064.5	2068.0	2072.7	2069.2
12.5°	2060.9	2050.3	2057.4	2062.1	2060.9
15°	2048.0	2033.8	2043.2	2050.3	2050.3
17.5°	2029.1	2017.3	2026.7	2032.6	2031.4
20°	2004.3	1996.0	2003.1	2007.8	2006.7
22.5°	1976.0	1970.1	1978.4	1978.4	1978.4
25°	1947.7	1938.2	1947.7	1947.7	1944.1
27.5°	1911.1	1902.9	1914.6	1911.1	1905.2
30°	1869.8	1865.1	1873.4	1867.5	1861.6
32.5°	1821.5	1819.1	1827.4	1815.6	1810.8
35°	1774.3	1769.5	1774.3	1758.9	1751.9
37.5°	1718.8	1714.1	1718.8	1698.8	1688.1
40°	1656.3	1652.8	1655.1	1629.2	1616.2
42.5°	1591.4	1587.9	1582.0	1550.1	1539.5
45°	1520.6	1515.9	1502.9	1468.7	1454.6
47.5°	1445.1	1436.9	1418.0	1381.4	1362.6
50°	1361.4	1349.6	1328.3	1288.2	1268.2
52.5°	1270.5	1256.4	1229.2	1189.1	1170.3
55°	1177.3	1156.1	1127.8	1083.0	1066.4
57.5°	1071.2	1048.8	1019.3	978.0	959.1
60°	961.5	939.0	908.4	870.6	851.7
62.5°	844.7	824.6	793.9	758.5	742.0
65°	719.6	706.6	678.3	646.5	633.5
67.5°	601.6	588.7	565.1	537.9	542.7
70°	475.4	474.2	454.2	435.3	479.0
72.5°	370.4	368.1	357.4	348.0	345.7
75°	271.3	273.7	266.6	272.5	239.5
77.5°	191.1	193.5	192.3	175.8	184.0
80°	130.9	130.9	122.7	116.8	122.7
82.5°	79.0	94.4	84.9	69.6	67.2
85°	41.3	42.5	38.9	34.2	34.2
87.5°	15.3	17.7	15.3	14.2	13.0
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)