

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: P506086

Luminaire Tested: **14PD-70-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PL1-L940
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

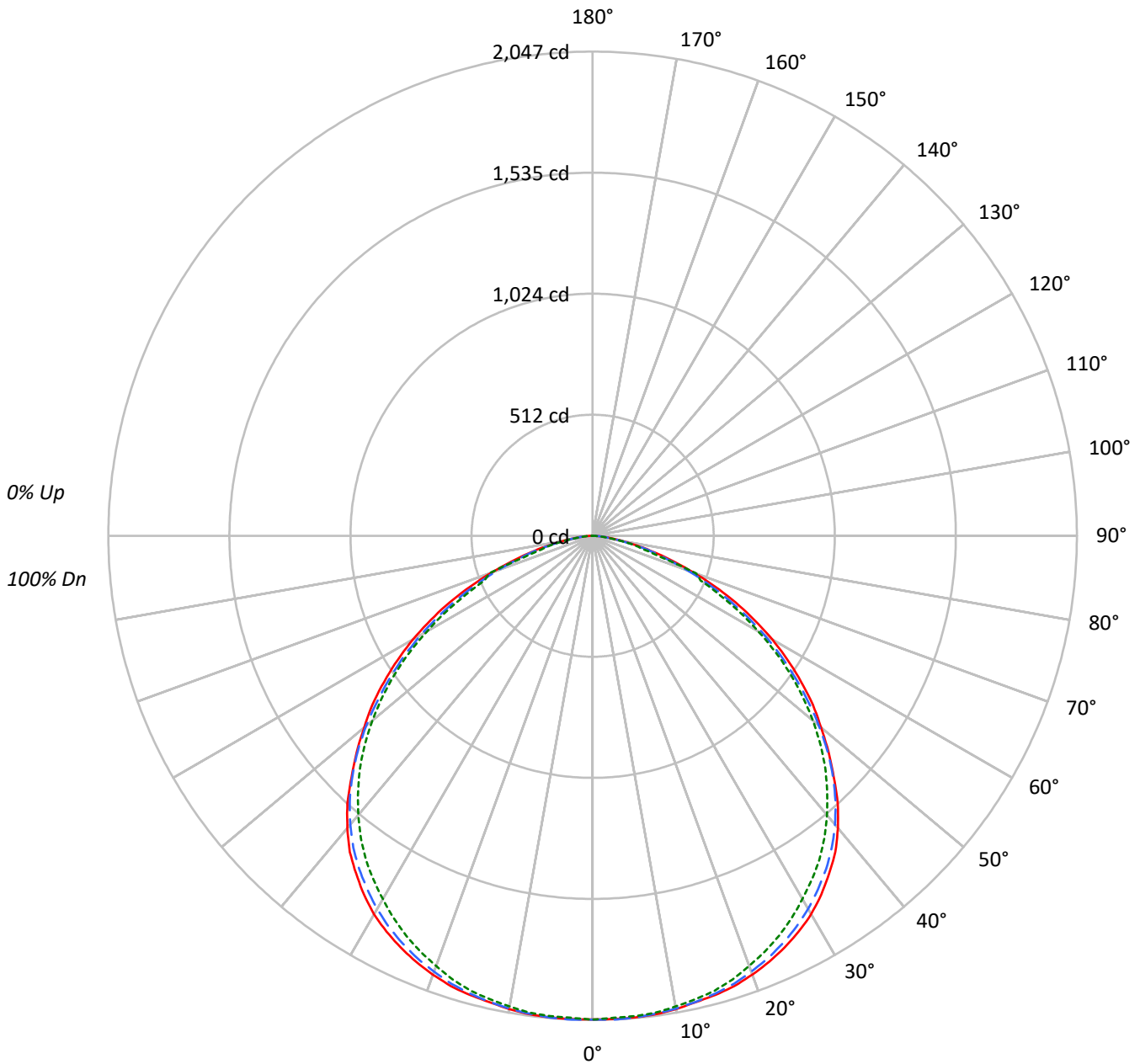
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5684.2 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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				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	98	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	78	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5504	5504	5504
5°	5521	5525	5506
10°	5552	5545	5521
15°	5597	5582	5548
20°	5654	5615	5542
25°	5702	5646	5539
30°	5741	5661	5510
35°	5726	5652	5490
40°	5665	5598	5413
45°	5484	5466	5291
50°	5275	5228	5087
55°	5048	4900	4790
60°	4715	4503	4352
65°	4248	3983	3769
70°	3552	3331	3659
75°	2802	2697	2335
80°	2019	1793	1827
85°	1284	1074	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	3.4
10°-20°	565.2	9.9
20°-30°	873.9	15.4
30°-40°	1069.6	18.8
40°-50°	1096.5	19.3
50°-60°	933.9	16.4
60°-70°	624.1	11.0
70°-80°	276.6	4.9
80°-90°	50.0	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°	1633.6	28.7
0°-40°	2703.1	47.6
0°-60°	4733.5	83.3
0°-90°	5684.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5684.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2045	2045	2045	2045	2045	
5°	2044	2040	2045	2044	2038	195
15°	2009	2002	2004	1998	1991	568
25°	1920	1914	1901	1877	1866	886
35°	1743	1739	1721	1682	1671	1090
45°	1441	1445	1436	1404	1390	1112
55°	1076	1070	1044	1023	1021	960
65°	667	662	626	598	592	658
75°	270	273	259	261	225	292
85°	42	40	35	34	33	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2045.2	2045.2	2045.2	2045.2	2045.2
2.5°	2045.2	2041.8	2047.4	2049.7	2039.6
5°	2044.0	2039.6	2045.2	2044.0	2038.4
7.5°	2040.7	2032.8	2038.4	2036.2	2033.9
10°	2031.7	2025.0	2029.4	2026.1	2020.5
12.5°	2019.3	2014.8	2018.2	2014.8	2007.0
15°	2009.2	2002.5	2003.6	1998.0	1991.3
17.5°	1995.8	1985.6	1985.6	1974.4	1966.6
20°	1974.4	1965.4	1960.9	1945.2	1935.1
22.5°	1949.7	1943.0	1934.0	1913.8	1902.5
25°	1920.5	1913.8	1901.4	1876.7	1865.5
27.5°	1886.8	1877.8	1864.4	1835.1	1821.7
30°	1847.5	1836.3	1821.7	1789.1	1773.4
32.5°	1799.2	1791.3	1772.3	1738.6	1724.0
35°	1743.1	1738.6	1720.6	1682.4	1671.2
37.5°	1685.8	1676.8	1661.1	1620.6	1609.4
40°	1612.8	1607.2	1593.7	1554.4	1540.9
42.5°	1534.2	1530.8	1519.6	1482.5	1467.9
45°	1440.9	1445.4	1436.4	1403.9	1390.4
47.5°	1352.2	1350.0	1346.6	1317.4	1306.2
50°	1260.1	1255.6	1248.9	1225.3	1215.2
52.5°	1173.6	1164.7	1146.7	1126.5	1119.7
55°	1075.9	1070.3	1044.5	1023.1	1020.9
57.5°	977.1	973.7	942.3	917.6	917.6
60°	876.0	871.5	836.7	810.9	808.6
62.5°	770.4	767.1	731.1	701.9	703.1
65°	667.1	661.5	625.6	597.5	591.9
67.5°	559.3	557.1	522.2	496.4	494.2
70°	451.5	451.5	423.4	400.9	465.0
72.5°	356.0	352.7	330.2	320.1	305.5
75°	269.5	272.9	259.4	260.6	224.6
77.5°	192.1	186.4	180.8	168.5	178.6
80°	130.3	126.9	115.7	112.3	117.9
82.5°	80.9	82.0	71.9	65.1	64.0
85°	41.6	40.4	34.8	33.7	32.6
87.5°	15.7	16.8	14.6	13.5	12.4
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)