

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: P506101

Luminaire Tested: **14PD-70-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506101
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-L927
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

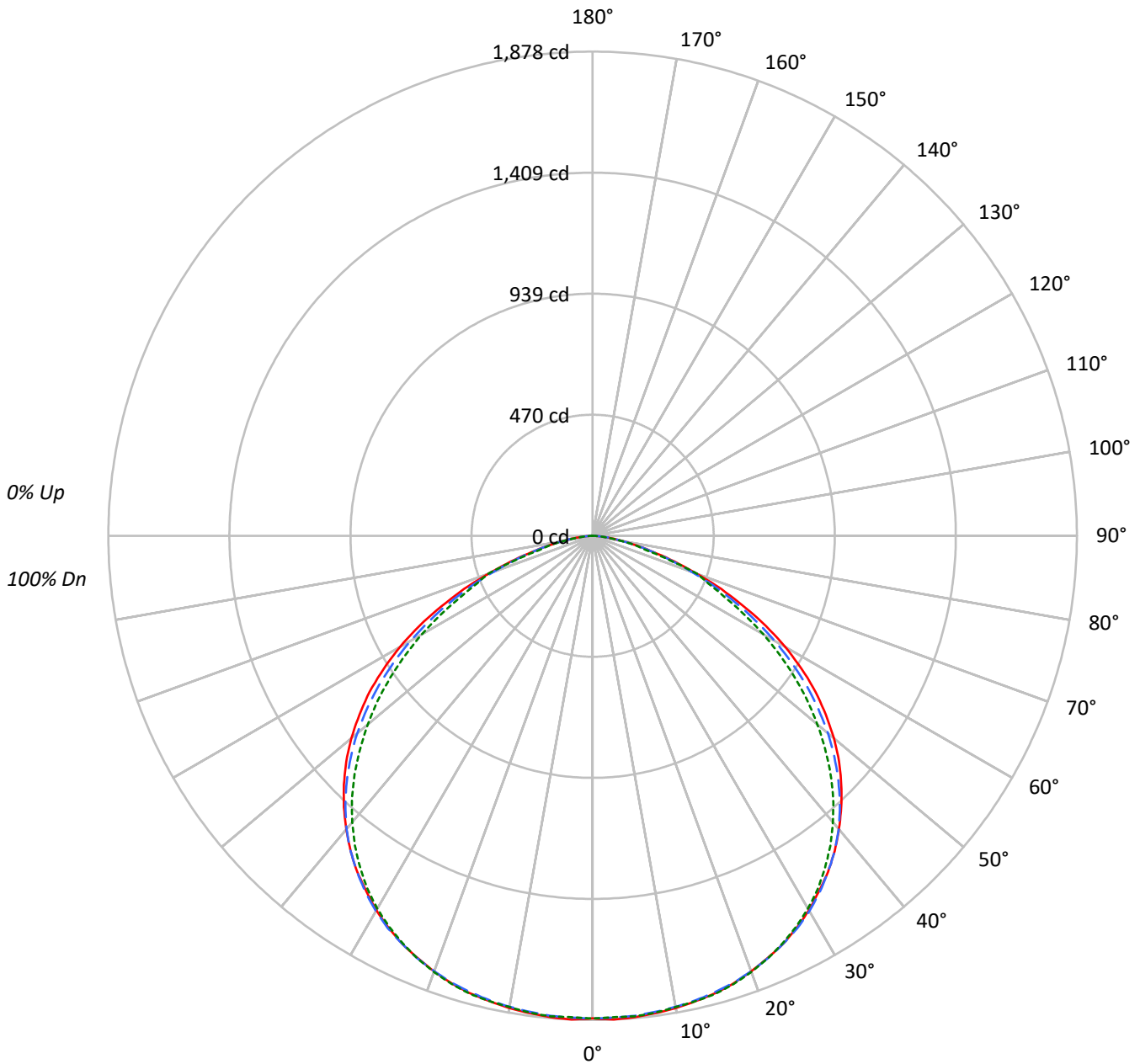
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5331.4 lumens
Efficiency: N/A
Efficacy: 74.9 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_{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°	5038	5038	5038
5°	5062	5048	5054
10°	5083	5069	5072
15°	5118	5106	5124
20°	5149	5146	5155
25°	5187	5187	5178
30°	5212	5221	5189
35°	5229	5229	5163
40°	5219	5215	5093
45°	5191	5131	4966
50°	5112	4989	4762
55°	4955	4746	4488
60°	4641	4385	4112
65°	4110	3875	3619
70°	3356	3205	3380
75°	2531	2487	2233
80°	1821	1706	1706
85°	1142	1078	948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.0	3.3
10°-20°	518.2	9.7
20°-30°	804.4	15.1
30°-40°	990.8	18.6
40°-50°	1031.5	19.3
50°-60°	897.1	16.8
60°-70°	602.7	11.3
70°-80°	260.9	4.9
80°-90°	47.9	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°	1500.6	28.1
0°-40°	2491.4	46.7
0°-60°	4420.0	82.9
0°-90°	5331.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5331.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1874	1862	1869	1873	1871	178
15°	1837	1824	1833	1839	1839	519
25°	1747	1739	1747	1747	1744	805
35°	1592	1587	1592	1578	1572	995
45°	1364	1360	1348	1318	1305	1051
55°	1056	1037	1012	971	957	939
65°	646	634	608	580	568	639
75°	243	246	239	244	215	268
85°	37	38	35	31	31	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1872.0	1872.0	1872.0	1872.0	1872.0
2.5°	1878.3	1866.7	1870.9	1877.3	1868.8
5°	1874.1	1862.5	1868.8	1873.0	1870.9
7.5°	1867.8	1859.3	1862.5	1866.7	1865.6
10°	1860.3	1851.9	1855.1	1859.3	1856.1
12.5°	1848.7	1839.2	1845.5	1849.8	1848.7
15°	1837.1	1824.4	1832.8	1839.2	1839.2
17.5°	1820.1	1809.6	1818.0	1823.3	1822.3
20°	1797.9	1790.5	1796.9	1801.1	1800.0
22.5°	1772.5	1767.2	1774.6	1774.6	1774.6
25°	1747.1	1738.7	1747.1	1747.1	1743.9
27.5°	1714.3	1706.9	1717.5	1714.3	1709.0
30°	1677.3	1673.0	1680.4	1675.2	1669.9
32.5°	1633.9	1631.8	1639.2	1628.6	1624.4
35°	1591.6	1587.3	1591.6	1577.8	1571.5
37.5°	1541.8	1537.6	1541.8	1523.8	1514.3
40°	1485.7	1482.6	1484.7	1461.4	1449.8
42.5°	1427.5	1424.4	1419.1	1390.5	1381.0
45°	1364.0	1359.8	1348.2	1317.5	1304.8
47.5°	1296.3	1288.9	1272.0	1239.2	1222.2
50°	1221.2	1210.6	1191.6	1155.6	1137.6
52.5°	1139.7	1127.0	1102.7	1066.7	1049.8
55°	1056.1	1037.1	1011.7	971.4	956.6
57.5°	960.9	940.8	914.3	877.3	860.3
60°	862.4	842.3	814.8	781.0	764.0
62.5°	757.7	739.7	712.2	680.4	665.6
65°	645.5	633.9	608.5	579.9	568.3
67.5°	539.7	528.1	506.9	482.5	486.8
70°	426.5	425.4	407.4	390.5	429.6
72.5°	332.3	330.2	320.6	312.2	310.1
75°	243.4	245.5	239.2	244.4	214.8
77.5°	171.4	173.5	172.5	157.7	165.1
80°	117.5	117.5	110.1	104.8	110.1
82.5°	70.9	84.7	76.2	62.4	60.3
85°	37.0	38.1	34.9	30.7	30.7
87.5°	13.8	15.9	13.8	12.7	11.6
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)