

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: P506087

Luminaire Tested: **14PD-70-PL1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506087
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-L950
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

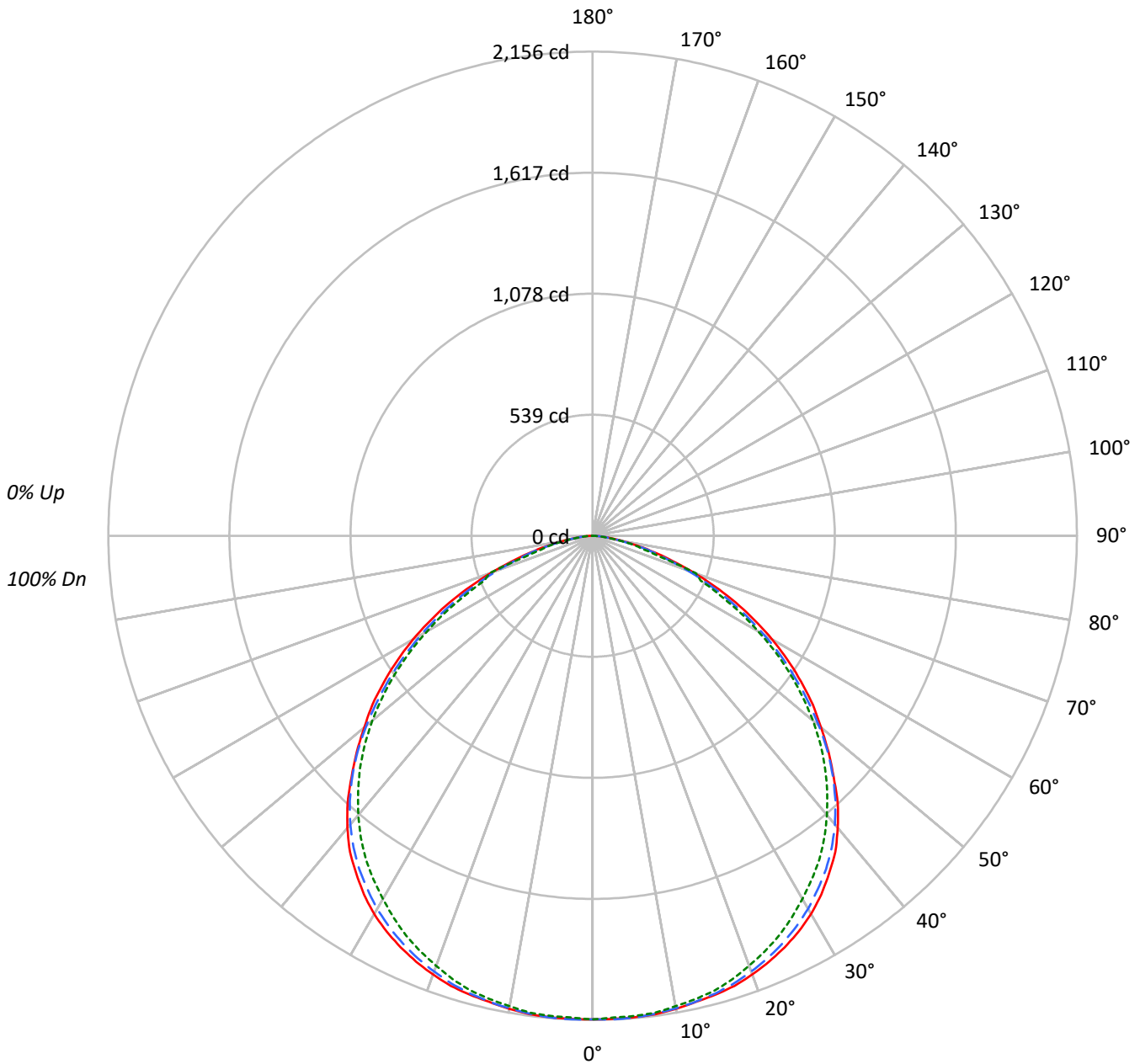
Lumens per Lamp: N/A
Luminaire Lumens: 5985.1 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5795	5795	5795
5°	5814	5817	5798
10°	5845	5839	5813
15°	5894	5877	5841
20°	5953	5913	5835
25°	6004	5944	5832
30°	6045	5960	5802
35°	6029	5952	5780
40°	5965	5895	5699
45°	5774	5756	5571
50°	5555	5505	5357
55°	5315	5160	5043
60°	4964	4742	4582
65°	4472	4194	3968
70°	3740	3508	3852
75°	2951	2840	2459
80°	2126	1888	1925
85°	1352	1133	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.7	3.4
10°-20°	595.1	9.9
20°-30°	920.2	15.4
30°-40°	1126.2	18.8
40°-50°	1154.5	19.3
50°-60°	983.3	16.4
60°-70°	657.1	11.0
70°-80°	291.2	4.9
80°-90°	52.7	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°	1720.0	28.7
0°-40°	2846.2	47.6
0°-60°	4984.0	83.3
0°-90°	5985.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5985.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2153	2153	2153	2153	2153	
5°	2152	2148	2153	2152	2146	205
15°	2116	2108	2110	2104	2097	598
25°	2022	2015	2002	1976	1964	932
35°	1835	1831	1812	1771	1760	1148
45°	1517	1522	1512	1478	1464	1171
55°	1133	1127	1100	1077	1075	1011
65°	702	696	659	629	623	692
75°	284	287	273	274	236	307
85°	44	43	37	36	34	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2153.4	2153.4	2153.4	<i>2153.4</i>	2153.4
2.5°	<i>2153.4</i>	<i>2149.9</i>	<i>2155.8</i>	<i>2158.1</i>	<i>2147.5</i>
5°	2152.2	2147.5	2153.4	<i>2152.2</i>	2146.3
7.5°	2148.7	2140.4	2146.3	<i>2144.0</i>	2141.6
10°	2139.2	2132.1	2136.9	<i>2133.3</i>	2127.4
12.5°	2126.2	2121.5	2125.0	<i>2121.5</i>	2113.2
15°	2115.6	2108.5	2109.7	<i>2103.7</i>	2096.6
17.5°	2101.4	2090.7	2090.7	<i>2078.9</i>	2070.6
20°	2078.9	2069.5	2064.7	<i>2048.2</i>	2037.5
22.5°	2052.9	2045.8	2036.3	<i>2015.1</i>	2003.2
25°	2022.1	2015.1	2002.0	<i>1976.0</i>	1964.2
27.5°	1986.7	1977.2	1963.0	<i>1932.3</i>	1918.1
30°	1945.3	1933.5	1918.1	<i>1883.8</i>	1867.2
32.5°	1894.4	1886.2	1866.1	<i>1830.6</i>	1815.2
35°	1835.3	1830.6	1811.7	<i>1771.4</i>	1759.6
37.5°	1775.0	1765.5	1749.0	<i>1706.4</i>	1694.6
40°	1698.1	1692.2	1678.0	<i>1636.6</i>	1622.4
42.5°	1615.4	1611.8	1600.0	<i>1561.0</i>	1545.6
45°	1517.2	1521.9	1512.5	<i>1478.2</i>	1464.0
47.5°	1423.8	1421.4	1417.9	<i>1387.1</i>	1375.3
50°	1326.8	1322.1	1315.0	<i>1290.2</i>	1279.5
52.5°	1235.8	1226.3	1207.4	<i>1186.1</i>	1179.0
55°	1132.9	1127.0	1099.8	<i>1077.3</i>	1074.9
57.5°	1028.8	1025.3	992.2	<i>966.1</i>	966.1
60°	922.4	917.7	881.0	<i>853.8</i>	851.4
62.5°	811.2	807.7	769.8	<i>739.1</i>	740.3
65°	702.4	696.5	658.7	<i>629.1</i>	623.2
67.5°	588.9	586.5	549.9	<i>522.7</i>	520.3
70°	475.4	475.4	445.8	<i>422.2</i>	489.6
72.5°	374.9	371.3	347.7	<i>337.0</i>	321.7
75°	283.8	287.4	273.2	<i>274.4</i>	236.5
77.5°	202.2	196.3	190.4	<i>177.4</i>	188.0
80°	137.2	133.6	121.8	<i>118.3</i>	124.2
82.5°	85.1	86.3	75.7	<i>68.6</i>	67.4
85°	43.8	42.6	36.7	<i>35.5</i>	34.3
87.5°	16.6	17.7	15.4	<i>14.2</i>	13.0
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)