

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: P506805

Luminaire Tested: **24PD-70-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PW1-L935
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

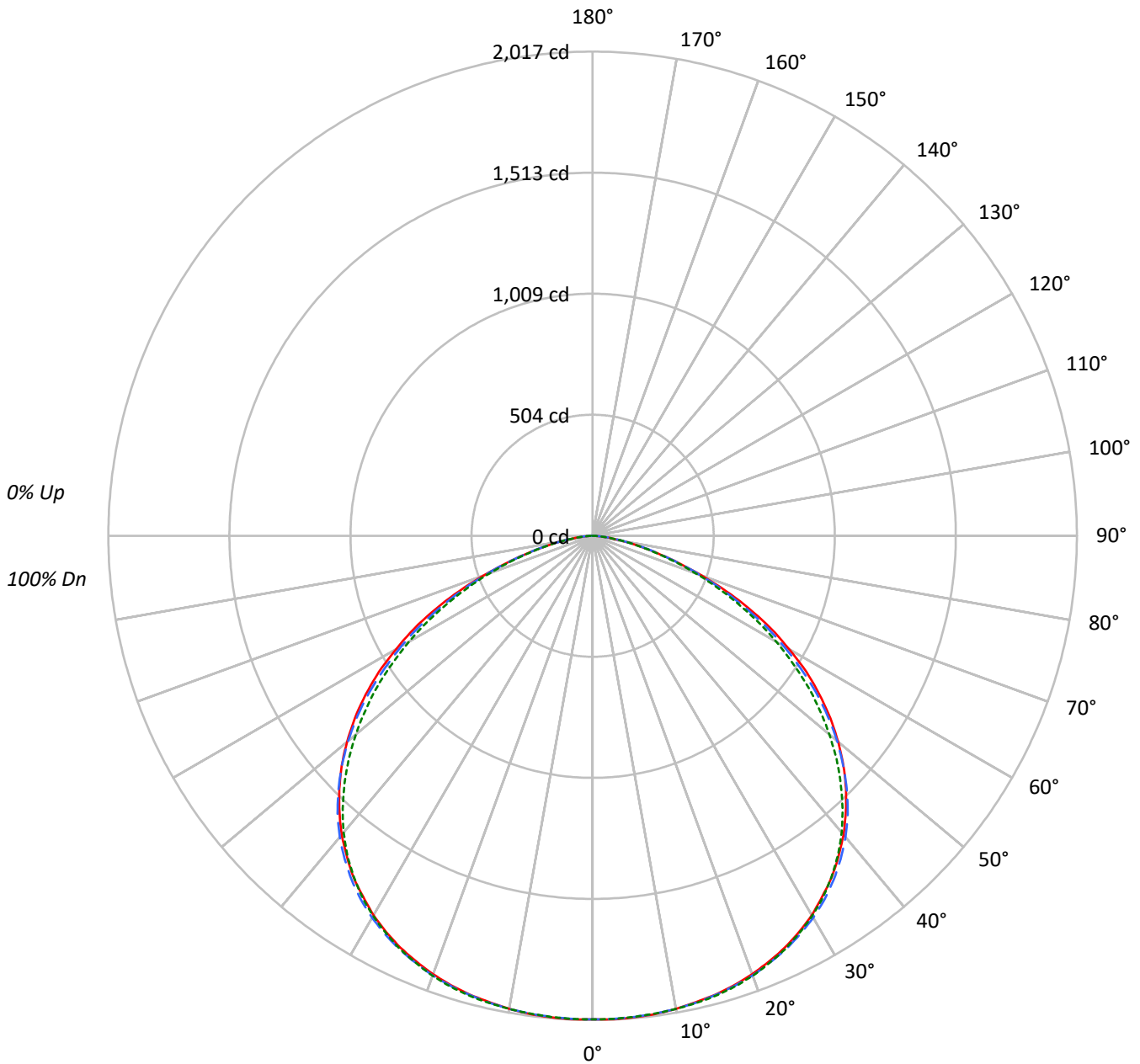
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5907.2 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.5
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2710	2710	2710
5°	2720	2717	2717
10°	2734	2734	2735
15°	2756	2758	2764
20°	2782	2791	2793
25°	2811	2824	2819
30°	2836	2854	2841
35°	2852	2875	2850
40°	2856	2877	2834
45°	2839	2850	2781
50°	2795	2782	2695
55°	2706	2662	2567
60°	2541	2476	2379
65°	2292	2208	2118
70°	1889	1860	1792
75°	1444	1459	1400
80°	1002	1033	1011
85°	599	625	608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	3.2
10°-20°	560.0	9.5
20°-30°	875.8	14.8
30°-40°	1089.4	18.4
40°-50°	1144.9	19.4
50°-60°	1004.9	17.0
60°-70°	684.3	11.6
70°-80°	301.9	5.1
80°-90°	54.4	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°	1627.5	27.6
0°-40°	2716.9	46.0
0°-60°	4866.7	82.4
0°-90°	5907.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5907.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2014	2014	2014	2014	2014	
5°	2014	2013	2012	2009	2012	192
15°	1978	1981	1980	1980	1984	559
25°	1894	1898	1902	1901	1899	873
35°	1737	1744	1750	1742	1735	1085
45°	1492	1502	1498	1473	1462	1149
55°	1153	1149	1135	1105	1094	1028
65°	720	702	693	678	665	710
75°	278	280	281	276	269	304
85°	39	40	40	40	39	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2014.4	2014.4	2014.4	2014.4	2014.4
2.5°	2016.6	2015.5	2014.4	2012.7	2014.4
5°	2013.8	2013.3	2011.6	2009.3	2011.6
7.5°	2009.3	2009.3	2007.6	2006.0	2007.1
10°	2000.9	2002.6	2000.9	1999.2	2001.5
12.5°	1989.6	1992.5	1991.9	1991.9	1993.6
15°	1978.4	1980.6	1980.1	1980.1	1984.0
17.5°	1962.7	1965.5	1966.0	1967.2	1969.4
20°	1943.0	1946.9	1949.2	1948.6	1950.3
22.5°	1919.9	1924.4	1926.1	1927.2	1926.1
25°	1893.5	1898.5	1901.9	1900.8	1899.1
27.5°	1861.4	1867.0	1871.5	1868.7	1865.4
30°	1825.4	1830.5	1837.2	1832.2	1828.8
32.5°	1781.0	1790.6	1796.8	1790.6	1785.5
35°	1736.6	1744.5	1750.1	1741.6	1734.9
37.5°	1682.6	1692.2	1697.2	1685.4	1678.1
40°	1625.8	1635.4	1638.2	1623.0	1613.4
42.5°	1561.1	1571.8	1572.9	1551.6	1540.9
45°	1492.0	1501.5	1497.6	1472.8	1461.6
47.5°	1417.2	1423.9	1415.5	1390.2	1377.8
50°	1335.1	1339.0	1328.9	1299.1	1287.3
52.5°	1248.4	1247.9	1235.0	1205.1	1192.2
55°	1153.4	1148.9	1134.9	1105.0	1094.4
57.5°	1056.1	1042.1	1026.9	1001.6	987.5
60°	944.2	933.5	920.0	894.7	884.0
62.5°	838.5	819.4	808.1	785.6	776.1
65°	719.8	702.4	693.4	678.2	665.3
67.5°	600.6	587.1	580.9	570.2	558.4
70°	480.3	476.3	472.9	462.8	455.5
72.5°	374.0	372.8	372.3	366.7	359.4
75°	277.8	279.5	280.6	275.6	269.4
77.5°	198.0	200.8	200.2	197.4	195.7
80°	129.3	131.6	133.3	130.5	130.5
82.5°	78.2	80.4	79.9	81.0	78.7
85°	38.8	40.5	40.5	39.9	39.4
87.5°	14.1	14.6	14.1	14.6	14.1
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)