

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: P506806

Luminaire Tested: **24PD-70-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506806
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-L940
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

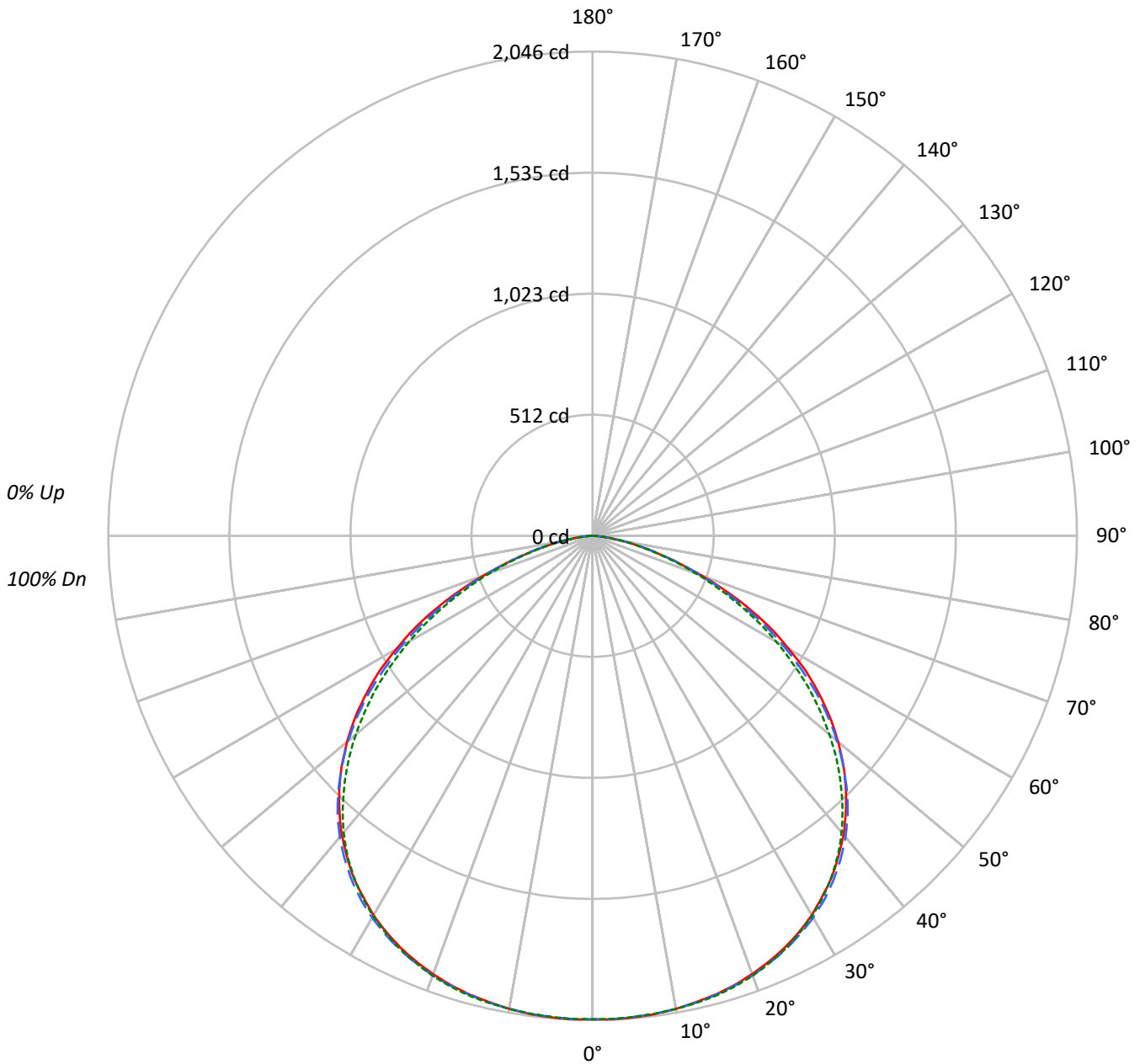
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5991.6 lumens
Efficiency: N/A
Efficacy: 116.3 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°	2749	2749	2749
5°	2759	2756	2756
10°	2773	2773	2774
15°	2795	2798	2803
20°	2822	2831	2832
25°	2851	2864	2860
30°	2877	2895	2882
35°	2893	2916	2890
40°	2896	2918	2874
45°	2880	2890	2821
50°	2834	2821	2733
55°	2744	2700	2604
60°	2577	2511	2413
65°	2324	2239	2148
70°	1916	1887	1817
75°	1465	1480	1420
80°	1017	1048	1025
85°	608	634	616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.4	3.2
10°-20°	568.0	9.5
20°-30°	888.3	14.8
30°-40°	1105.0	18.4
40°-50°	1161.2	19.4
50°-60°	1019.3	17.0
60°-70°	694.1	11.6
70°-80°	306.2	5.1
80°-90°	55.1	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°	1650.8	27.6
0°-40°	2755.7	46.0
0°-60°	4936.2	82.4
0°-90°	5991.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5991.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2043	2043	2043	2043	2043	
5°	2043	2042	2040	2038	2040	195
15°	2007	2009	2008	2008	2012	567
25°	1920	1926	1929	1928	1926	886
35°	1761	1769	1775	1766	1760	1101
45°	1513	1523	1519	1494	1482	1165
55°	1170	1165	1151	1121	1110	1043
65°	730	712	703	688	675	720
75°	282	284	285	280	273	308
85°	39	41	41	40	40	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2043.2	2043.2	2043.2	2043.2	2043.2
2.5°	2045.5	2044.3	2043.2	2041.5	2043.2
5°	2042.6	2042.0	2040.3	2038.0	2040.3
7.5°	2038.0	2038.0	2036.3	2034.6	2035.8
10°	2029.5	2031.2	2029.5	2027.8	2030.1
12.5°	2018.1	2020.9	2020.4	2020.4	2022.1
15°	2006.7	2009.0	2008.4	2008.4	2012.4
17.5°	1990.7	1993.6	1994.1	1995.3	1997.5
20°	1970.7	1974.7	1977.0	1976.4	1978.2
22.5°	1947.3	1951.9	1953.6	1954.8	1953.6
25°	1920.5	1925.7	1929.1	1928.0	1926.2
27.5°	1888.0	1893.7	1898.3	1895.4	1892.0
30°	1851.5	1856.7	1863.5	1858.4	1854.9
32.5°	1806.5	1816.2	1822.4	1816.2	1811.0
35°	1761.4	1769.4	1775.1	1766.5	1759.7
37.5°	1706.6	1716.3	1721.5	1709.5	1702.1
40°	1649.0	1658.7	1661.6	1646.2	1636.5
42.5°	1583.4	1594.3	1595.4	1573.7	1562.9
45°	1513.3	1523.0	1519.0	1493.9	1482.5
47.5°	1437.4	1444.3	1435.7	1410.0	1397.5
50°	1354.1	1358.1	1347.9	1317.6	1305.6
52.5°	1266.3	1265.7	1252.6	1222.4	1209.2
55°	1169.9	1165.3	1151.1	1120.8	1110.0
57.5°	1071.2	1057.0	1041.6	1015.9	1001.6
60°	957.7	946.9	933.2	907.5	896.7
62.5°	850.5	831.1	819.7	796.9	787.2
65°	730.1	712.4	703.3	687.9	674.8
67.5°	609.2	595.5	589.2	578.4	566.4
70°	487.1	483.1	479.7	469.4	462.0
72.5°	379.3	378.2	377.6	371.9	364.5
75°	281.8	283.5	284.6	279.5	273.2
77.5°	200.8	203.6	203.1	200.2	198.5
80°	131.2	133.5	135.2	132.3	132.3
82.5°	79.3	81.6	81.0	82.1	79.9
85°	39.4	41.1	41.1	40.5	39.9
87.5°	14.3	14.8	14.3	14.8	14.3
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)