

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: P506796

Luminaire Tested: **24PD-70-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PR1-L935
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

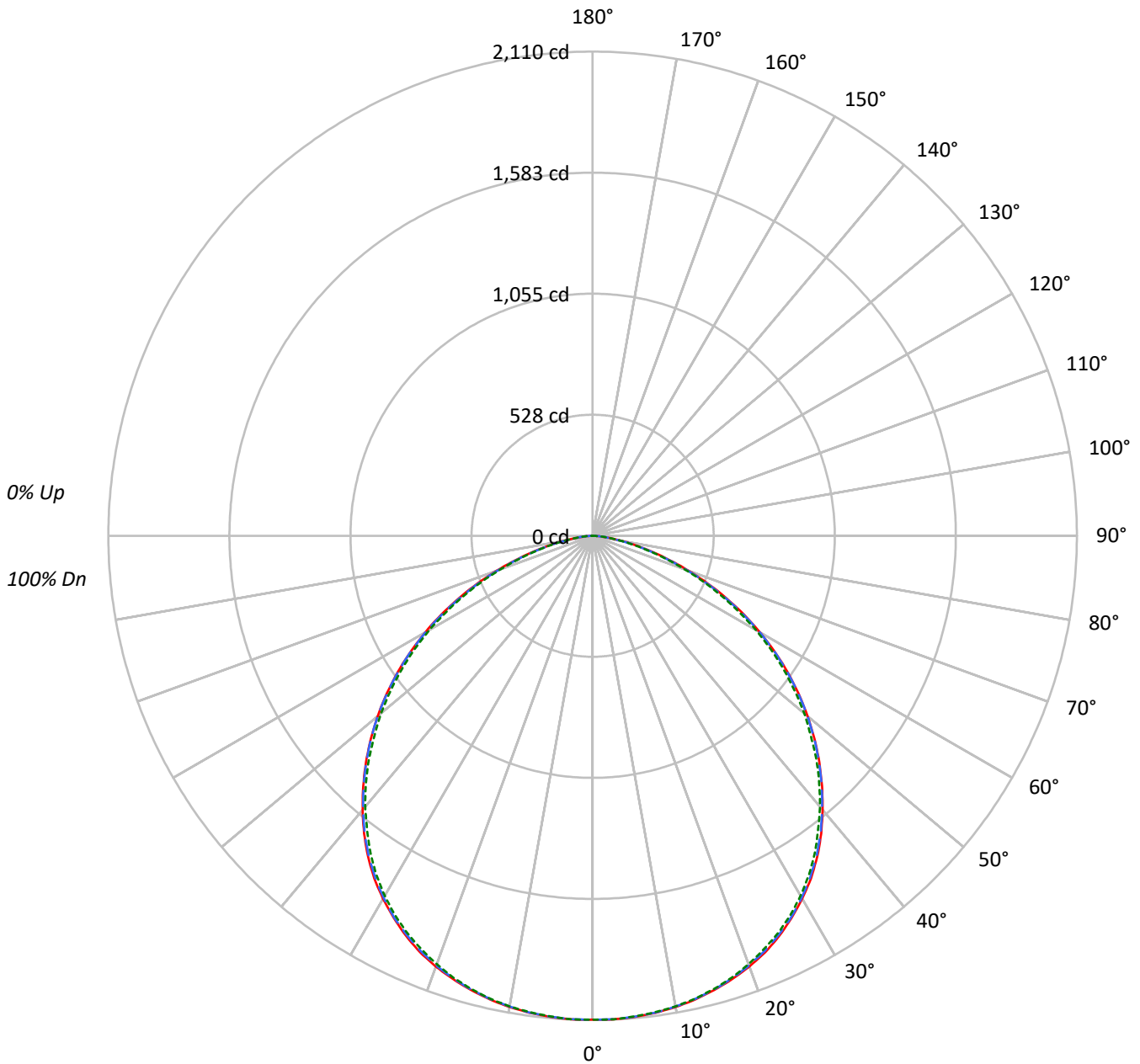
Lumens per Lamp: N/A
Luminaire Lumens: 5678.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2838	2838	2838
5°	2843	2841	2840
10°	2849	2846	2845
15°	2854	2851	2847
20°	2860	2853	2844
25°	2857	2849	2837
30°	2838	2830	2815
35°	2803	2794	2772
40°	2738	2731	2708
45°	2657	2653	2623
50°	2559	2557	2519
55°	2433	2428	2382
60°	2267	2259	2207
65°	2043	2018	1972
70°	1744	1718	1676
75°	1379	1348	1317
80°	979	954	924
85°	588	571	554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.2	3.5
10°-20°	577.9	10.2
20°-30°	883.5	15.6
30°-40°	1061.0	18.7
40°-50°	1072.2	18.9
50°-60°	921.3	16.2
60°-70°	628.5	11.1
70°-80°	282.5	5.0
80°-90°	50.8	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°	1661.6	29.3
0°-40°	2722.6	48.0
0°-60°	4716.2	83.1
0°-90°	5678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2109	2109	2109	2109	2109	
5°	2105	2104	2104	2102	2102	200
15°	2049	2049	2046	2045	2044	579
25°	1924	1924	1919	1912	1911	886
35°	1706	1706	1701	1691	1688	1065
45°	1397	1400	1394	1385	1379	1076
55°	1037	1041	1035	1026	1015	926
65°	642	645	634	630	619	635
75°	265	267	259	258	253	287
85°	38	39	37	37	36	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2109.1	2109.1	2109.1	2109.1	2109.1
2.5°	2109.6	2109.1	2108.5	2107.4	2109.1
5°	2104.7	2104.2	2103.6	2102.5	2102.5
7.5°	2097.1	2096.0	2096.0	2094.4	2093.8
10°	2085.1	2084.6	2082.9	2082.9	2082.4
12.5°	2069.8	2068.8	2067.1	2066.6	2065.5
15°	2049.1	2048.6	2046.4	2044.8	2044.2
17.5°	2025.7	2024.1	2022.5	2018.6	2018.6
20°	1997.4	1996.3	1992.5	1988.7	1986.5
22.5°	1964.7	1962.5	1958.2	1954.4	1950.0
25°	1924.4	1923.9	1919.0	1912.4	1910.8
27.5°	1877.6	1878.7	1873.8	1867.2	1864.0
30°	1826.4	1828.5	1821.5	1813.3	1811.7
32.5°	1770.3	1770.8	1764.8	1756.1	1752.8
35°	1706.5	1706.5	1701.1	1690.7	1687.5
37.5°	1635.7	1635.2	1631.9	1619.9	1613.9
40°	1558.9	1561.6	1555.1	1544.2	1541.5
42.5°	1479.4	1482.7	1476.7	1467.4	1461.4
45°	1396.6	1400.4	1394.4	1384.6	1378.6
47.5°	1311.1	1313.8	1309.5	1296.9	1288.8
50°	1222.3	1227.7	1221.8	1208.7	1203.2
52.5°	1130.8	1136.8	1129.7	1119.9	1109.5
55°	1037.1	1040.9	1034.9	1025.7	1015.3
57.5°	940.7	948.3	938.5	927.6	918.9
60°	842.6	849.2	839.4	829.6	820.3
62.5°	743.0	747.3	736.4	730.4	719.5
65°	641.7	644.9	634.0	629.7	619.3
67.5°	541.4	544.2	533.8	527.8	521.8
70°	443.4	445.6	436.8	431.4	426.0
72.5°	350.8	351.3	343.2	341.5	335.0
75°	265.3	267.4	259.3	257.6	253.3
77.5°	190.6	191.2	185.7	184.7	180.8
80°	126.4	126.9	123.1	122.6	119.3
82.5°	76.3	76.8	73.5	73.5	71.4
85°	38.1	38.7	37.0	37.0	35.9
87.5°	13.1	13.6	13.1	13.1	12.5
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)