

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: P506802

Luminaire Tested: **24PD-70-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506802
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-L850
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

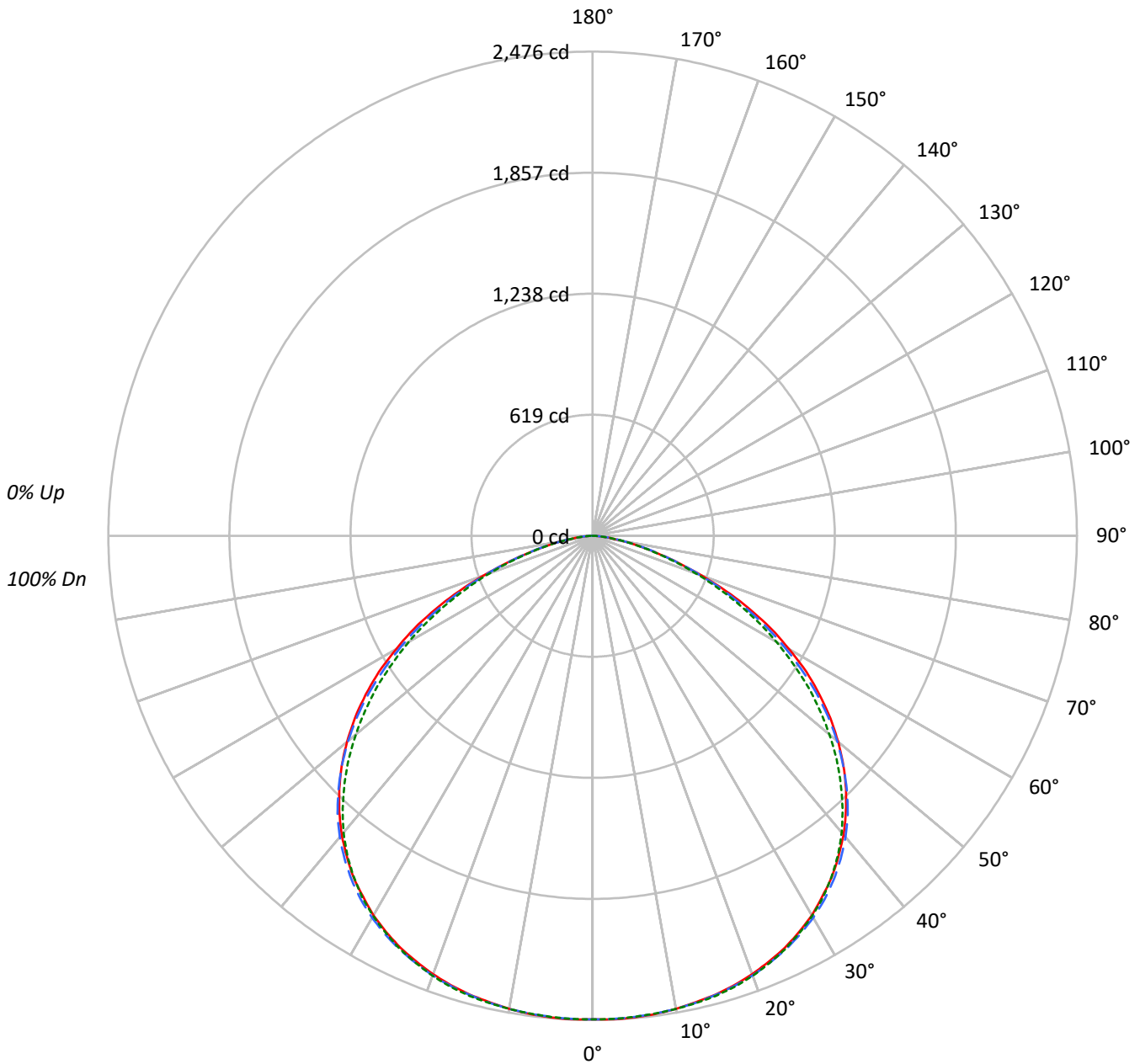
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7251.9 lumens
Efficiency: N/A
Efficacy: 140.8 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

TEST NUMBER: P506802
CATALOG NUMBER: 24PD-70-PW1-L850

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3327	3327	3327
5°	3339	3335	3335
10°	3356	3356	3357
15°	3383	3386	3393
20°	3415	3426	3428
25°	3451	3466	3461
30°	3482	3504	3488
35°	3502	3529	3498
40°	3506	3532	3479
45°	3485	3498	3414
50°	3431	3415	3308
55°	3322	3268	3152
60°	3119	3039	2921
65°	2813	2710	2600
70°	2319	2284	2200
75°	1773	1791	1719
80°	1230	1268	1241
85°	735	767	746



TEST NUMBER: P506802

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	3.2
10°-20°	687.5	9.5
20°-30°	1075.2	14.8
30°-40°	1337.4	18.4
40°-50°	1405.5	19.4
50°-60°	1233.7	17.0
60°-70°	840.1	11.6
70°-80°	370.6	5.1
80°-90°	66.7	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°	1998.0	27.6
0°-40°	3335.4	46.0
0°-60°	5974.5	82.4
0°-90°	7251.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7251.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2473	2473	2473	2473	2473	
5°	2472	2472	2470	2467	2470	236
15°	2429	2432	2431	2431	2436	687
25°	2324	2331	2335	2334	2331	1072
35°	2132	2142	2148	2138	2130	1332
45°	1832	1843	1838	1808	1794	1411
55°	1416	1410	1393	1357	1344	1262
65°	884	862	851	833	817	871
75°	341	343	344	338	331	373
85°	48	50	50	49	48	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2472.9	2472.9	2472.9	2472.9	2472.9
2.5°	2475.7	2474.3	2472.9	2470.9	2472.9
5°	2472.2	2471.5	2469.5	2466.7	2469.5
7.5°	2466.7	2466.7	2464.6	2462.6	2463.9
10°	2456.4	2458.4	2456.4	2454.3	2457.0
12.5°	2442.5	2446.0	2445.3	2445.3	2447.4
15°	2428.7	2431.5	2430.8	2430.8	2435.6
17.5°	2409.4	2412.9	2413.5	2414.9	2417.7
20°	2385.2	2390.1	2392.8	2392.1	2394.2
22.5°	2356.9	2362.5	2364.5	2365.9	2364.5
25°	2324.5	2330.7	2334.8	2333.5	2331.4
27.5°	2285.1	2292.0	2297.6	2294.1	2290.0
30°	2241.0	2247.2	2255.5	2249.2	2245.1
32.5°	2186.4	2198.2	2205.7	2198.2	2191.9
35°	2131.9	2141.5	2148.4	2138.1	2129.8
37.5°	2065.6	2077.3	2083.6	2069.1	2060.1
40°	1995.9	2007.6	2011.1	1992.4	1980.7
42.5°	1916.5	1929.6	1931.0	1904.7	1891.6
45°	1831.6	1843.3	1838.5	1808.1	1794.3
47.5°	1739.7	1748.0	1737.7	1706.6	1691.4
50°	1638.9	1643.8	1631.4	1594.8	1580.3
52.5°	1532.6	1531.9	1516.1	1479.5	1463.6
55°	1416.0	1410.4	1393.2	1356.6	1343.5
57.5°	1296.5	1279.3	1260.6	1229.6	1212.3
60°	1159.1	1146.0	1129.5	1098.4	1085.3
62.5°	1029.3	1005.9	992.1	964.5	952.7
65°	883.7	862.3	851.2	832.6	816.7
67.5°	737.3	720.8	713.2	700.0	685.5
70°	589.6	584.7	580.6	568.2	559.2
72.5°	459.1	457.7	457.0	450.1	441.1
75°	341.0	343.1	344.5	338.3	330.7
77.5°	243.0	246.5	245.8	242.3	240.3
80°	158.8	161.5	163.6	160.2	160.2
82.5°	96.0	98.7	98.0	99.4	96.7
85°	47.6	49.7	49.7	49.0	48.3
87.5°	17.3	17.9	17.3	17.9	17.3
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)