

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: P506800

Luminaire Tested: **24PD-70-PW1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506800  
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-L835  
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI, 3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

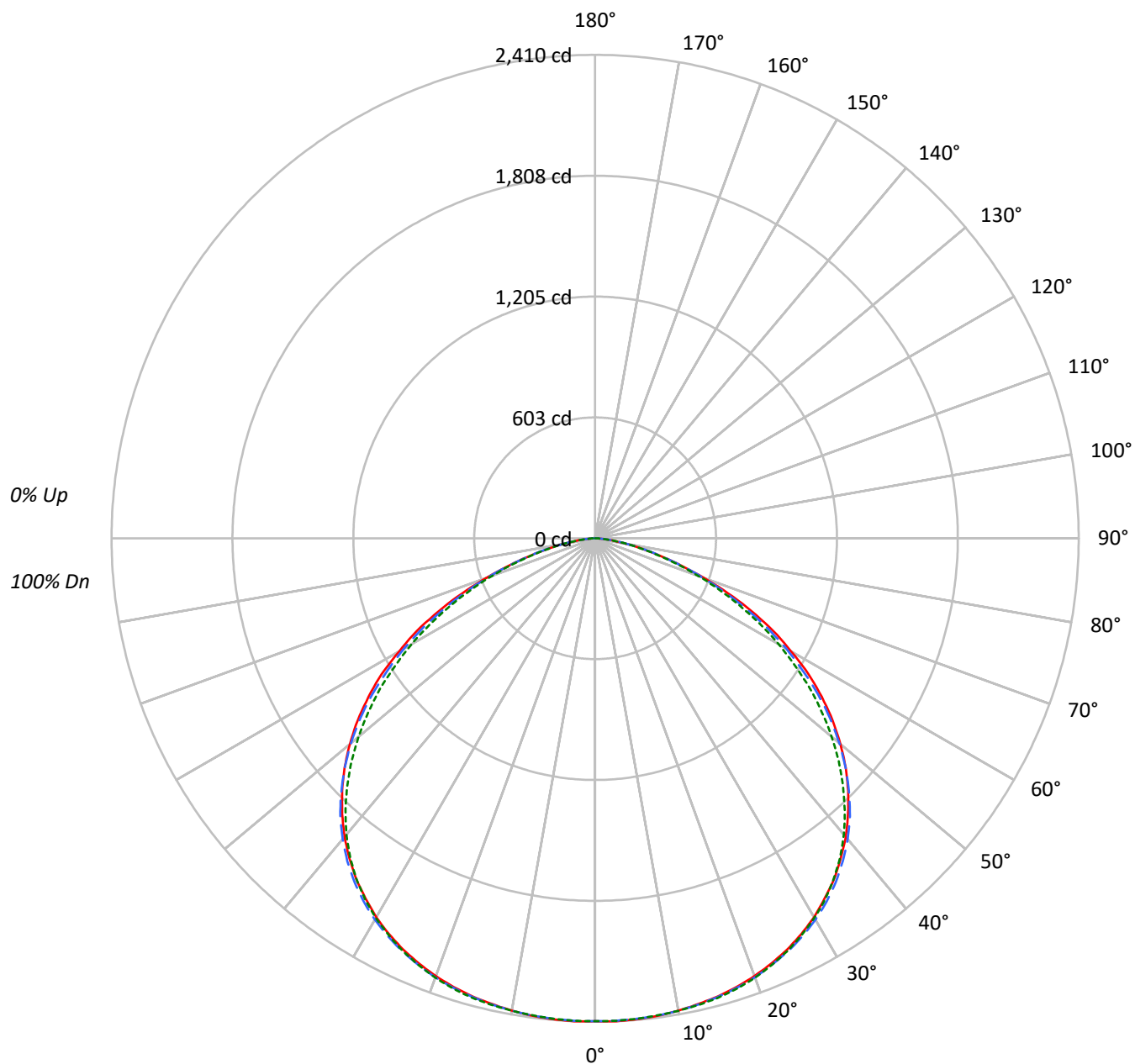
Lumens per Lamp: N/A  
Luminaire Lumens: 7059.9 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P506800

CATALOG NUMBER: 24PD-70-PW1-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P506800

CATALOG NUMBER: 24PD-70-PW1-L835

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	3239	3239	3239
5°	3251	3247	3247
10°	3267	3267	3268
15°	3294	3296	3303
20°	3325	3335	3337
25°	3360	3374	3370
30°	3389	3411	3396
35°	3409	3436	3406
40°	3413	3439	3387
45°	3393	3406	3324
50°	3340	3324	3220
55°	3234	3182	3068
60°	3037	2959	2843
65°	2739	2638	2531
70°	2258	2223	2142
75°	1726	1744	1673
80°	1198	1234	1208
85°	716	747	726



TEST NUMBER: P506800

CATALOG NUMBER: 24PD-70-PW1-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.1	3.2
10°-20°	669.3	9.5
20°-30°	1046.7	14.8
30°-40°	1302.0	18.4
40°-50°	1368.3	19.4
50°-60°	1201.0	17.0
60°-70°	817.8	11.6
70°-80°	360.8	5.1
80°-90°	65.0	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
<hr/>		
0°-30°	1945.1	27.6
0°-40°	3247.1	46.0
0°-60°	5816.4	82.4
0°-90°	7059.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7059.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2408	2408	2408	2408	2408	
5°	2407	2406	2404	2401	2404	229
15°	2364	2367	2366	2366	2371	668
25°	2263	2269	2273	2272	2270	1043
35°	2075	2085	2092	2082	2073	1297
45°	1783	1794	1790	1760	1747	1373
55°	1378	1373	1356	1321	1308	1228
65°	860	840	829	811	795	848
75°	332	334	335	329	322	363
85°	46	48	48	48	47	64
90°	0	0	0	0	0	



TEST NUMBER: P506800

CATALOG NUMBER: 24PD-70-PW1-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2407.5	2407.5	2407.5	2407.5	2407.5
2.5°	2410.2	2408.8	2407.5	2405.4	2407.5
5°	2406.8	2406.1	2404.1	2401.4	2404.1
7.5°	2401.4	2401.4	2399.4	2397.4	2398.7
10°	2391.3	2393.4	2391.3	2389.3	2392.0
12.5°	2377.9	2381.3	2380.6	2380.6	2382.6
15°	2364.5	2367.1	2366.5	2366.5	2371.2
17.5°	2345.6	2349.0	2349.7	2351.0	2353.7
20°	2322.1	2326.8	2329.5	2328.8	2330.8
22.5°	2294.6	2299.9	2301.9	2303.3	2301.9
25°	2263.0	2269.0	2273.0	2271.7	2269.7
27.5°	2224.7	2231.4	2236.8	2233.4	2229.4
30°	2181.6	2187.7	2195.8	2189.7	2185.7
32.5°	2128.5	2140.0	2147.4	2140.0	2133.9
35°	2075.4	2084.9	2091.6	2081.5	2073.4
37.5°	2010.9	2022.4	2028.4	2014.3	2005.5
40°	1943.0	1954.5	1957.8	1939.7	1928.3
42.5°	1865.8	1878.5	1879.9	1854.3	1841.6
45°	1783.1	1794.5	1789.8	1760.2	1746.8
47.5°	1693.7	1701.8	1691.7	1661.4	1646.6
50°	1595.6	1600.3	1588.2	1552.6	1538.4
52.5°	1492.1	1491.4	1475.9	1440.3	1424.9
55°	1378.5	1373.1	1356.3	1320.7	1307.9
57.5°	1262.2	1245.4	1227.3	1197.0	1180.2
60°	1128.5	1115.7	1099.6	1069.3	1056.5
62.5°	1002.1	979.3	965.8	938.9	927.5
65°	860.3	839.5	828.7	810.6	795.1
67.5°	717.8	701.7	694.3	681.5	667.4
70°	574.0	569.3	565.2	553.1	544.4
72.5°	446.9	445.6	444.9	438.2	429.5
75°	332.0	334.0	335.4	329.3	321.9
77.5°	236.6	239.9	239.3	235.9	233.9
80°	154.6	157.3	159.3	155.9	155.9
82.5°	93.4	96.1	95.4	96.8	94.1
85°	46.4	48.4	48.4	47.7	47.0
87.5°	16.8	17.5	16.8	17.5	16.8
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)