

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: P506799

Luminaire Tested: **24PD-70-PW1-L830**

Issue Date: 3/26/2021



**Test Information**

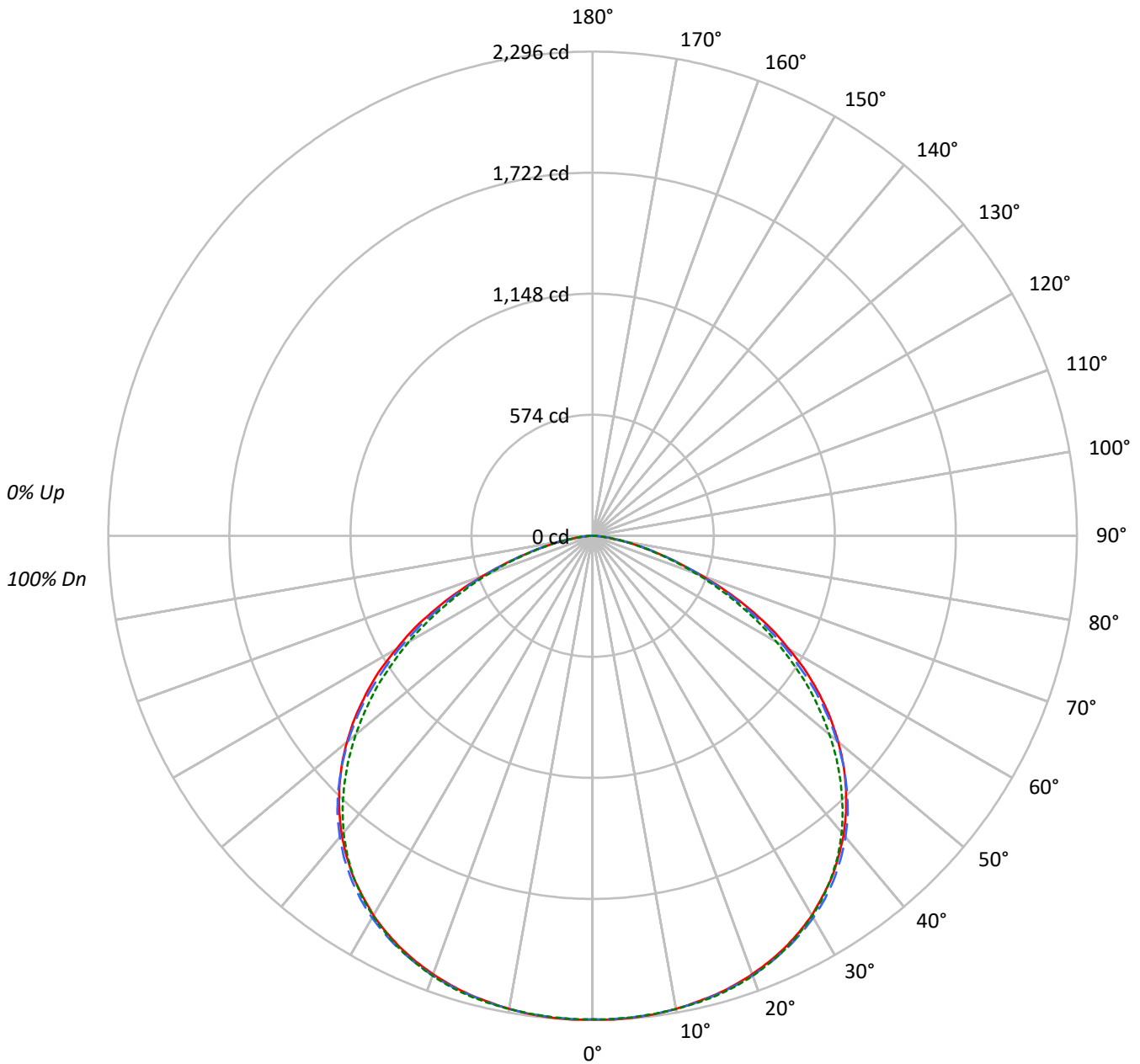
Test Method: LM-79-08  
Report Number: P506799  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-70-PW1-L830  
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6726.2 lumens  
Efficiency: N/A  
Efficacy: 130.6 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

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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	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°	3086	3086	3086
5°	3097	3094	3094
10°	3113	3113	3114
15°	3138	3141	3147
20°	3168	3178	3180
25°	3201	3215	3210
30°	3229	3250	3235
35°	3248	3273	3245
40°	3251	3276	3227
45°	3232	3245	3167
50°	3182	3167	3068
55°	3081	3031	2923
60°	2893	2819	2709
65°	2609	2514	2412
70°	2151	2118	2041
75°	1644	1661	1594
80°	1141	1176	1151
85°	682	712	692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.3	3.2
10°-20°	637.7	9.5
20°-30°	997.2	14.8
30°-40°	1240.4	18.4
40°-50°	1303.6	19.4
50°-60°	1144.2	17.0
60°-70°	779.2	11.6
70°-80°	343.7	5.1
80°-90°	61.9	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°	1853.2	27.6
0°-40°	3093.6	46.0
0°-60°	5541.4	82.4
0°-90°	6726.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6726.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2294	2294	2294	2294	2294	
5°	2293	2292	2290	2288	2290	218
15°	2253	2255	2255	2255	2259	637
25°	2156	2162	2166	2164	2162	994
35°	1977	1986	1993	1983	1975	1236
45°	1699	1710	1705	1677	1664	1308
55°	1313	1308	1292	1258	1246	1170
65°	820	800	790	772	758	808
75°	316	318	320	314	307	346
85°	44	46	46	46	45	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2296.3	2295.0	2293.7	2291.8	2293.7
5°	2293.0	2292.4	2290.5	2287.9	2290.5
7.5°	2287.9	2287.9	2286.0	2284.1	2285.4
10°	2278.3	2280.2	2278.3	2276.4	2279.0
12.5°	2265.5	2268.7	2268.1	2268.1	2270.0
15°	2252.7	2255.3	2254.6	2254.6	2259.1
17.5°	2234.8	2238.0	2238.6	2239.9	2242.5
20°	2212.4	2216.8	2219.4	2218.8	2220.7
22.5°	2186.1	2191.2	2193.2	2194.4	2193.2
25°	2156.0	2161.8	2165.6	2164.3	2162.4
27.5°	2119.5	2125.9	2131.0	2127.8	2124.0
30°	2078.5	2084.3	2092.0	2086.2	2082.4
32.5°	2027.9	2038.8	2045.9	2038.8	2033.1
35°	1977.4	1986.3	1992.7	1983.1	1975.4
37.5°	1915.9	1926.8	1932.5	1919.1	1910.8
40°	1851.2	1862.1	1865.3	1848.0	1837.1
42.5°	1777.6	1789.7	1791.0	1766.7	1754.5
45°	1698.8	1709.7	1705.2	1677.0	1664.2
47.5°	1613.7	1621.3	1611.7	1582.9	1568.8
50°	1520.2	1524.6	1513.1	1479.2	1465.7
52.5°	1421.5	1420.9	1406.2	1372.2	1357.5
55°	1313.3	1308.2	1292.2	1258.3	1246.1
57.5°	1202.6	1186.5	1169.3	1140.4	1124.4
60°	1075.1	1063.0	1047.6	1018.8	1006.6
62.5°	954.7	933.0	920.2	894.6	883.7
65°	819.6	799.8	789.5	772.2	757.5
67.5°	683.9	668.5	661.5	649.3	635.9
70°	546.8	542.4	538.5	527.0	518.7
72.5°	425.8	424.5	423.9	417.5	409.2
75°	316.3	318.2	319.5	313.8	306.7
77.5°	225.4	228.6	228.0	224.8	222.8
80°	147.3	149.8	151.8	148.6	148.6
82.5°	89.0	91.6	90.9	92.2	89.6
85°	44.2	46.1	46.1	45.5	44.8
87.5°	16.0	16.6	16.0	16.6	16.0
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)