

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: P506484

Luminaire Tested: **22PD-80-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PL1-L830
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

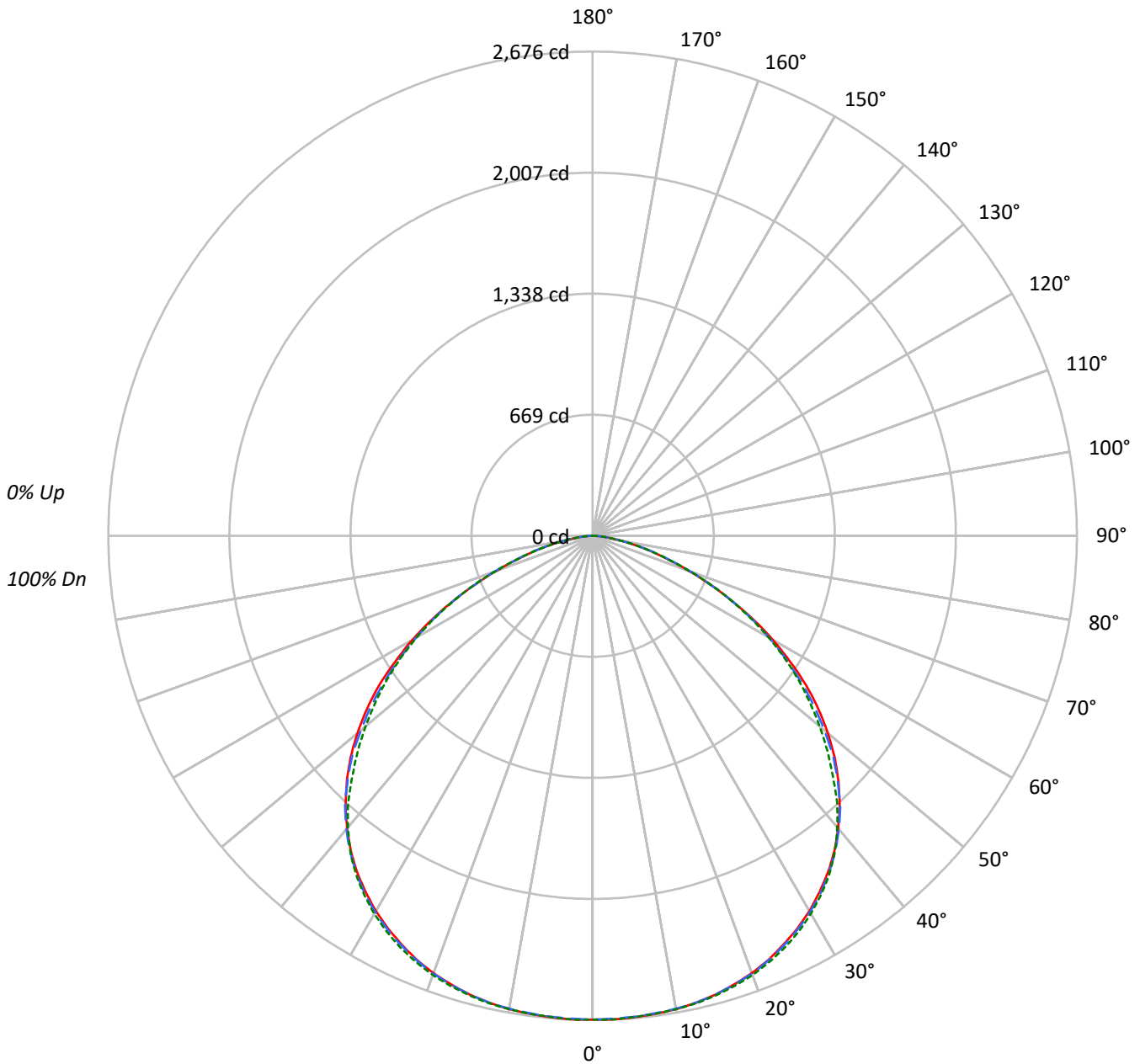
Lumens per Lamp: N/A
Luminaire Lumens: 7573.3 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7195	7195	7195
5°	7215	7207	7210
10°	7260	7252	7260
15°	7312	7312	7328
20°	7366	7374	7398
25°	7405	7422	7458
30°	7442	7466	7495
35°	7454	7478	7494
40°	7415	7435	7388
45°	7309	7287	7140
50°	7102	6992	6850
55°	6758	6586	6511
60°	6187	6070	6035
65°	5395	5383	5365
70°	4423	4497	4482
75°	3504	3563	3504
80°	2568	2554	2538
85°	1714	1686	1803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	3.4
10°-20°	741.9	9.8
20°-30°	1153.1	15.2
30°-40°	1421.6	18.8
40°-50°	1468.4	19.4
50°-60°	1256.4	16.6
60°-70°	838.6	11.1
70°-80°	368.0	4.9
80°-90°	71.1	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°	2149.3	28.4
0°-40°	3570.8	47.2
0°-60°	6295.6	83.1
0°-90°	7573.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7573.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2674	2674	2674	2674	2674	
5°	2671	2667	2668	2666	2669	254
15°	2625	2622	2625	2627	2630	742
25°	2494	2494	2500	2507	2512	1150
35°	2269	2269	2276	2281	2281	1418
45°	1921	1920	1915	1897	1876	1478
55°	1440	1422	1404	1396	1388	1280
65°	847	845	845	848	843	841
75°	337	334	343	341	337	365
85°	56	55	55	56	58	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2673.8	2673.8	2673.8	2673.8	2673.8
2.5°	2675.6	2671.9	2670.9	2670.9	2675.6
5°	2670.9	2667.2	2668.1	2666.2	2669.0
7.5°	2664.3	2660.6	2661.5	2660.6	2664.3
10°	2656.8	2653.0	2654.0	2653.0	2656.8
12.5°	2643.6	2640.8	2642.7	2643.6	2646.4
15°	2624.8	2622.0	2624.8	2626.7	2630.4
17.5°	2600.3	2598.4	2601.3	2604.1	2608.8
20°	2572.1	2570.2	2574.9	2577.7	2583.4
22.5°	2537.2	2535.4	2540.1	2546.7	2550.4
25°	2493.9	2493.9	2499.6	2507.1	2511.8
27.5°	2447.8	2446.9	2453.4	2461.0	2465.7
30°	2395.1	2393.2	2402.6	2409.2	2412.0
32.5°	2333.9	2334.8	2343.3	2349.9	2350.8
35°	2268.9	2268.9	2276.5	2281.2	2281.2
37.5°	2194.5	2193.6	2201.1	2203.0	2200.2
40°	2110.8	2111.7	2116.4	2115.5	2103.2
42.5°	2020.4	2021.3	2025.1	2011.9	1999.7
45°	1920.6	1919.6	1914.9	1897.0	1876.3
47.5°	1814.2	1809.5	1802.0	1774.7	1759.6
50°	1696.5	1689.0	1670.2	1648.5	1636.3
52.5°	1572.2	1559.1	1540.2	1523.3	1512.9
55°	1440.4	1422.5	1403.7	1396.2	1387.7
57.5°	1293.6	1282.3	1266.3	1262.5	1256.9
60°	1149.5	1137.3	1127.9	1127.9	1121.3
62.5°	998.9	991.4	987.6	989.5	982.9
65°	847.3	845.4	845.4	848.3	842.6
67.5°	700.4	704.2	703.3	712.7	705.2
70°	562.1	568.6	571.5	580.9	569.6
72.5°	442.5	443.4	447.2	450.0	444.4
75°	337.0	334.2	342.7	340.8	337.0
77.5°	243.8	242.0	244.8	246.7	242.0
80°	165.7	163.8	164.8	167.6	163.8
82.5°	104.5	102.6	102.6	105.4	104.5
85°	55.5	54.6	54.6	56.5	58.4
87.5°	19.8	18.8	19.8	19.8	19.8
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)