

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: P506486

Luminaire Tested: **22PD-80-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506486
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-L840
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

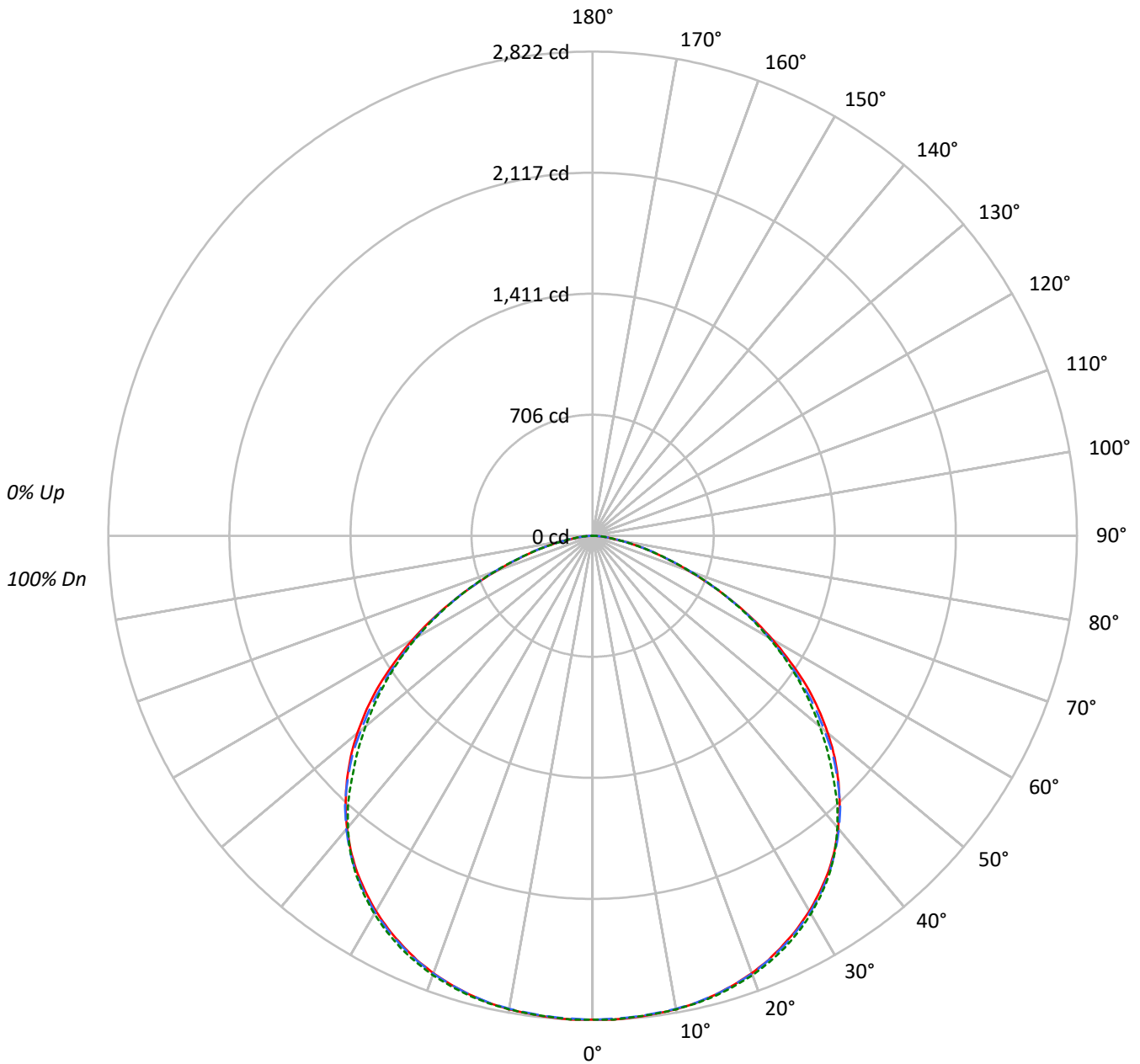
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7988.2 lumens
Efficiency: N/A
Efficacy: 108.8 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°	7589	7589	7589
5°	7610	7602	7605
10°	7658	7649	7658
15°	7713	7713	7730
20°	7769	7778	7803
25°	7811	7828	7867
30°	7850	7874	7906
35°	7862	7888	7904
40°	7821	7842	7793
45°	7709	7687	7532
50°	7492	7375	7225
55°	7128	6946	6867
60°	6526	6403	6365
65°	5691	5678	5659
70°	4664	4743	4727
75°	3696	3759	3696
80°	2709	2693	2678
85°	1809	1778	1902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	3.4
10°-20°	782.5	9.8
20°-30°	1216.3	15.2
30°-40°	1499.4	18.8
40°-50°	1548.8	19.4
50°-60°	1325.3	16.6
60°-70°	884.5	11.1
70°-80°	388.1	4.9
80°-90°	75.0	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
0°-30°	2267.0	28.4
0°-40°	3766.4	47.2
0°-60°	6640.5	83.1
0°-90°	7988.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7988.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2820	2820	2820	2820	2820	
5°	2817	2813	2814	2812	2815	268
15°	2769	2766	2769	2771	2775	782
25°	2631	2631	2636	2644	2649	1213
35°	2393	2393	2401	2406	2406	1496
45°	2026	2025	2020	2001	1979	1559
55°	1519	1500	1481	1473	1464	1350
65°	894	892	892	895	889	887
75°	356	352	362	360	356	385
85°	59	58	58	60	62	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2820.2	2820.2	2820.2	2820.2	2820.2
2.5°	2822.2	2818.2	2817.3	2817.3	2822.2
5°	2817.3	2813.3	2814.3	2812.3	2815.3
7.5°	2810.3	2806.3	2807.3	2806.3	2810.3
10°	2802.4	2798.4	2799.4	2798.4	2802.4
12.5°	2788.5	2785.5	2787.5	2788.5	2791.4
15°	2768.6	2765.6	2768.6	2770.6	2774.6
17.5°	2742.8	2740.8	2743.8	2746.7	2751.7
20°	2713.0	2711.0	2716.0	2718.9	2724.9
22.5°	2676.2	2674.3	2679.2	2686.2	2690.1
25°	2630.6	2630.6	2636.5	2644.5	2649.4
27.5°	2581.9	2580.9	2587.9	2595.8	2600.8
30°	2526.3	2524.3	2534.2	2541.2	2544.2
32.5°	2461.7	2462.7	2471.7	2478.6	2479.6
35°	2393.2	2393.2	2401.2	2406.1	2406.1
37.5°	2314.8	2313.8	2321.7	2323.7	2320.7
40°	2226.4	2227.4	2232.4	2231.4	2218.4
42.5°	2131.1	2132.1	2136.0	2122.1	2109.2
45°	2025.8	2024.8	2019.8	2001.0	1979.1
47.5°	1913.6	1908.6	1900.7	1871.9	1856.0
50°	1789.5	1781.5	1761.7	1738.8	1725.9
52.5°	1658.4	1644.5	1624.6	1606.7	1595.8
55°	1519.3	1500.5	1480.6	1472.7	1463.7
57.5°	1364.4	1352.5	1335.6	1331.7	1325.7
60°	1212.5	1199.6	1189.7	1189.7	1182.7
62.5°	1053.6	1045.7	1041.7	1043.7	1036.7
65°	893.7	891.7	891.7	894.7	888.8
67.5°	738.8	742.8	741.8	751.7	743.8
70°	592.8	599.8	602.8	612.7	600.8
72.5°	466.7	467.7	471.7	474.7	468.7
75°	355.5	352.5	361.5	359.5	355.5
77.5°	257.2	255.2	258.2	260.2	255.2
80°	174.8	172.8	173.8	176.8	172.8
82.5°	110.2	108.2	108.2	111.2	110.2
85°	58.6	57.6	57.6	59.6	61.6
87.5°	20.9	19.9	20.9	20.9	20.9
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)