

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: P506188

Luminaire Tested: **22PD-25-PL1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506188  
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-25-PL1-L835  
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

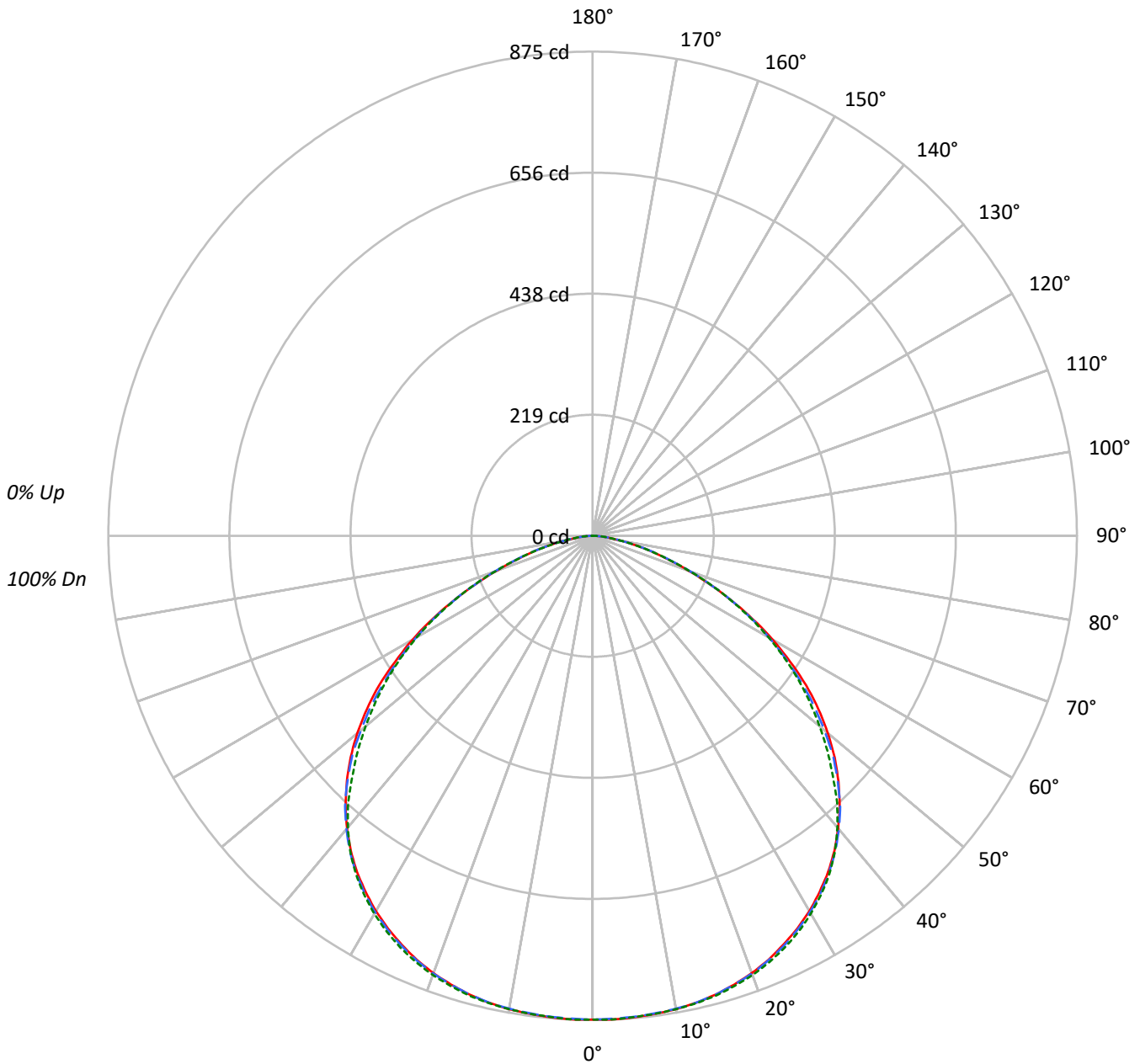
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2476.5 lumens  
Efficiency: N/A  
Efficacy: 124.4 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): 19.9  
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									
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°	2353	2353	2353
5°	2359	2357	2358
10°	2374	2371	2374
15°	2391	2391	2396
20°	2409	2411	2419
25°	2421	2427	2439
30°	2434	2441	2451
35°	2437	2445	2450
40°	2425	2431	2416
45°	2390	2383	2335
50°	2323	2286	2240
55°	2210	2153	2129
60°	2023	1985	1974
65°	1764	1761	1754
70°	1446	1471	1466
75°	1146	1166	1146
80°	840	835	831
85°	562	553	590



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.1	3.4
10°-20°	242.6	9.8
20°-30°	377.1	15.2
30°-40°	464.9	18.8
40°-50°	480.2	19.4
50°-60°	410.9	16.6
60°-70°	274.2	11.1
70°-80°	120.3	4.9
80°-90°	23.3	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°	702.8	28.4
0°-40°	1167.7	47.1
0°-60°	2058.7	83.1
0°-90°	2476.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2476.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	873	872	872	872	873	83
15°	858	857	858	859	860	243
25°	816	816	817	820	821	376
35°	742	742	744	746	746	464
45°	628	628	626	620	614	483
55°	471	465	459	457	454	419
65°	277	276	276	277	276	275
75°	110	109	112	111	110	119
85°	18	18	18	18	19	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	874.3	874.3	874.3	874.3	874.3
2.5°	874.9	873.7	873.4	873.4	874.9
5°	873.4	872.2	872.5	871.9	872.8
7.5°	871.2	870.0	870.3	870.0	871.2
10°	868.8	867.5	867.8	867.5	868.8
12.5°	864.5	863.5	864.2	864.5	865.4
15°	858.3	857.4	858.3	858.9	860.2
17.5°	850.3	849.7	850.6	851.5	853.1
20°	841.1	840.4	842.0	842.9	844.8
22.5°	829.7	829.1	830.6	832.8	834.0
25°	815.5	815.5	817.4	819.8	821.4
27.5°	800.4	800.1	802.3	804.7	806.3
30°	783.2	782.6	785.7	787.8	788.7
32.5°	763.2	763.5	766.3	768.4	768.7
35°	741.9	741.9	744.4	745.9	745.9
37.5°	717.6	717.3	719.8	720.4	719.5
40°	690.2	690.5	692.1	691.8	687.8
42.5°	660.7	661.0	662.2	657.9	653.9
45°	628.0	627.7	626.2	620.3	613.6
47.5°	593.2	591.7	589.2	580.3	575.4
50°	554.8	552.3	546.1	539.1	535.1
52.5°	514.1	509.8	503.7	498.1	494.7
55°	471.0	465.2	459.0	456.6	453.8
57.5°	423.0	419.3	414.1	412.8	411.0
60°	375.9	371.9	368.8	368.8	366.7
62.5°	326.6	324.2	322.9	323.6	321.4
65°	277.1	276.5	276.5	277.4	275.5
67.5°	229.0	230.3	230.0	233.0	230.6
70°	183.8	185.9	186.9	189.9	186.3
72.5°	144.7	145.0	146.2	147.2	145.3
75°	110.2	109.3	112.1	111.4	110.2
77.5°	79.7	79.1	80.0	80.7	79.1
80°	54.2	53.6	53.9	54.8	53.6
82.5°	34.2	33.6	33.6	34.5	34.2
85°	18.2	17.9	17.9	18.5	19.1
87.5°	6.5	6.2	6.5	6.5	6.5
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)