

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: P505854

Luminaire Tested: **14PD-25-PW1-L830**

Issue Date: 3/26/2021



**Test Information**

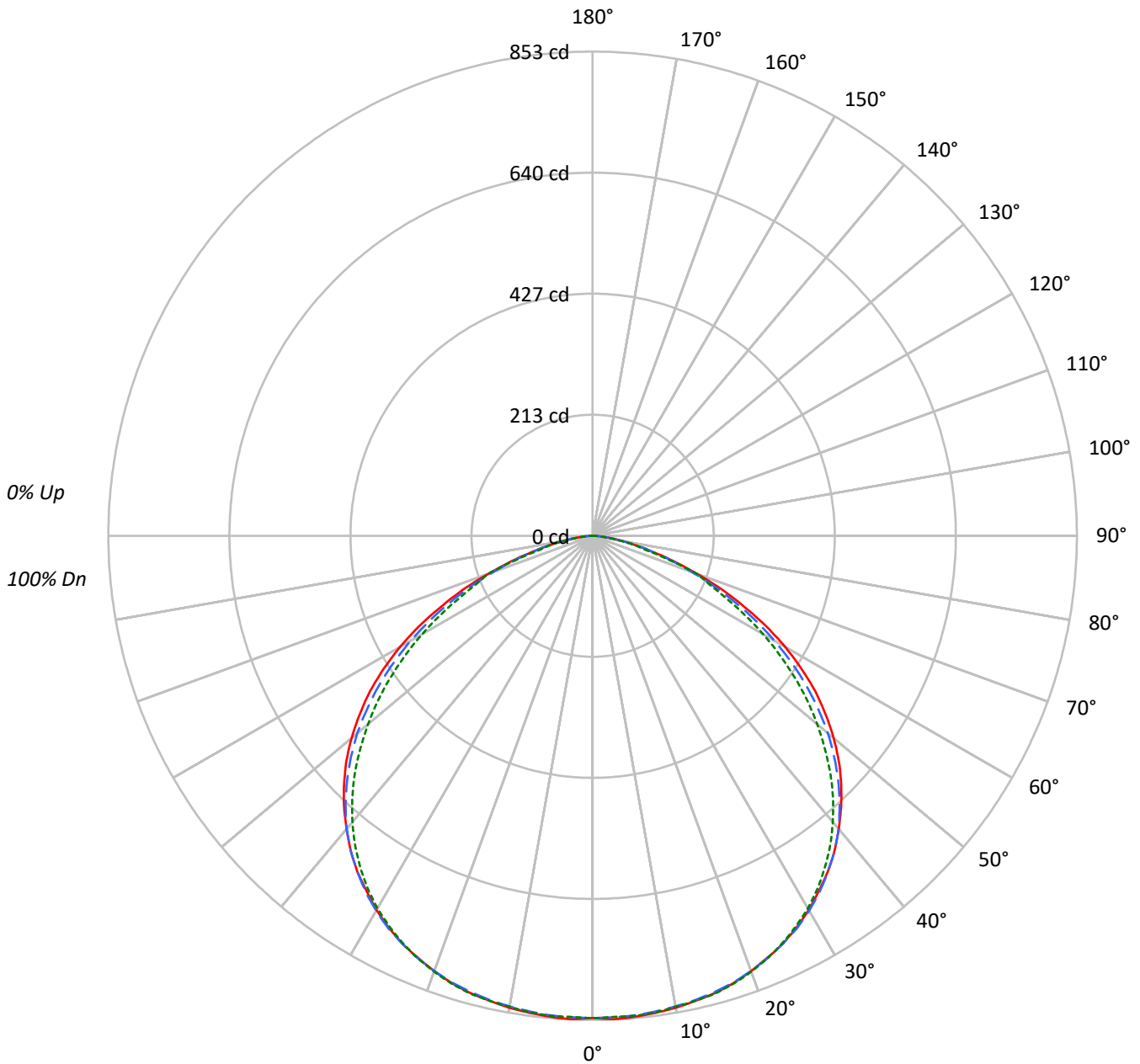
Test Method: LM-79-08  
Report Number: P505854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PW1-L830  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2420.0 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.7  
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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2287	2287	2287
5°	2298	2291	2294
10°	2307	2301	2302
15°	2323	2318	2326
20°	2337	2336	2340
25°	2355	2355	2350
30°	2366	2370	2355
35°	2373	2373	2343
40°	2369	2367	2312
45°	2356	2329	2254
50°	2321	2264	2162
55°	2249	2154	2037
60°	2107	1991	1866
65°	1866	1759	1642
70°	1523	1455	1534
75°	1149	1129	1014
80°	826	775	775
85°	519	491	429



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.8	3.3
10°-20°	235.2	9.7
20°-30°	365.1	15.1
30°-40°	449.7	18.6
40°-50°	468.2	19.3
50°-60°	407.2	16.8
60°-70°	273.6	11.3
70°-80°	118.4	4.9
80°-90°	21.7	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°	681.1	28.1
0°-40°	1130.9	46.7
0°-60°	2006.3	82.9
0°-90°	2420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2420.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	851	845	848	850	849	81
15°	834	828	832	835	835	236
25°	793	789	793	793	792	365
35°	722	720	722	716	713	452
45°	619	617	612	598	592	477
55°	479	471	459	441	434	426
65°	293	288	276	263	258	290
75°	110	111	109	111	98	122
85°	17	17	16	14	14	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	849.7	849.7	849.7	849.7	849.7
2.5°	852.6	847.3	849.2	852.1	848.3
5°	850.7	845.4	848.3	850.2	849.2
7.5°	847.8	844.0	845.4	847.3	846.8
10°	844.4	840.6	842.0	844.0	842.5
12.5°	839.1	834.8	837.7	839.6	839.1
15°	833.9	828.1	831.9	834.8	834.8
17.5°	826.2	821.4	825.2	827.6	827.1
20°	816.1	812.7	815.6	817.5	817.1
22.5°	804.6	802.2	805.5	805.5	805.5
25°	793.0	789.2	793.0	793.0	791.6
27.5°	778.1	774.8	779.6	778.1	775.7
30°	761.3	759.4	762.8	760.4	758.0
32.5°	741.6	740.7	744.0	739.2	737.3
35°	722.4	720.5	722.4	716.2	713.3
37.5°	699.9	697.9	699.9	691.7	687.4
40°	674.4	673.0	673.9	663.3	658.1
42.5°	648.0	646.5	644.1	631.2	626.8
45°	619.2	617.2	611.9	598.0	592.3
47.5°	588.4	585.1	577.4	562.5	554.8
50°	554.3	549.5	540.9	524.5	516.4
52.5°	517.3	511.6	500.5	484.2	476.5
55°	479.4	470.7	459.2	440.9	434.2
57.5°	436.1	427.0	415.0	398.2	390.5
60°	391.5	382.3	369.9	354.5	346.8
62.5°	343.9	335.8	323.3	308.9	302.1
65°	293.0	287.7	276.2	263.2	257.9
67.5°	245.0	239.7	230.1	219.0	221.0
70°	193.6	193.1	184.9	177.2	195.0
72.5°	150.8	149.9	145.5	141.7	140.7
75°	110.5	111.4	108.6	111.0	97.5
77.5°	77.8	78.8	78.3	71.6	74.9
80°	53.3	53.3	50.0	47.6	50.0
82.5°	32.2	38.4	34.6	28.3	27.4
85°	16.8	17.3	15.9	13.9	13.9
87.5°	6.2	7.2	6.2	5.8	5.3
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)