

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: P505836

Luminaire Tested: **14PD-25-PL1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PL1-L830  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

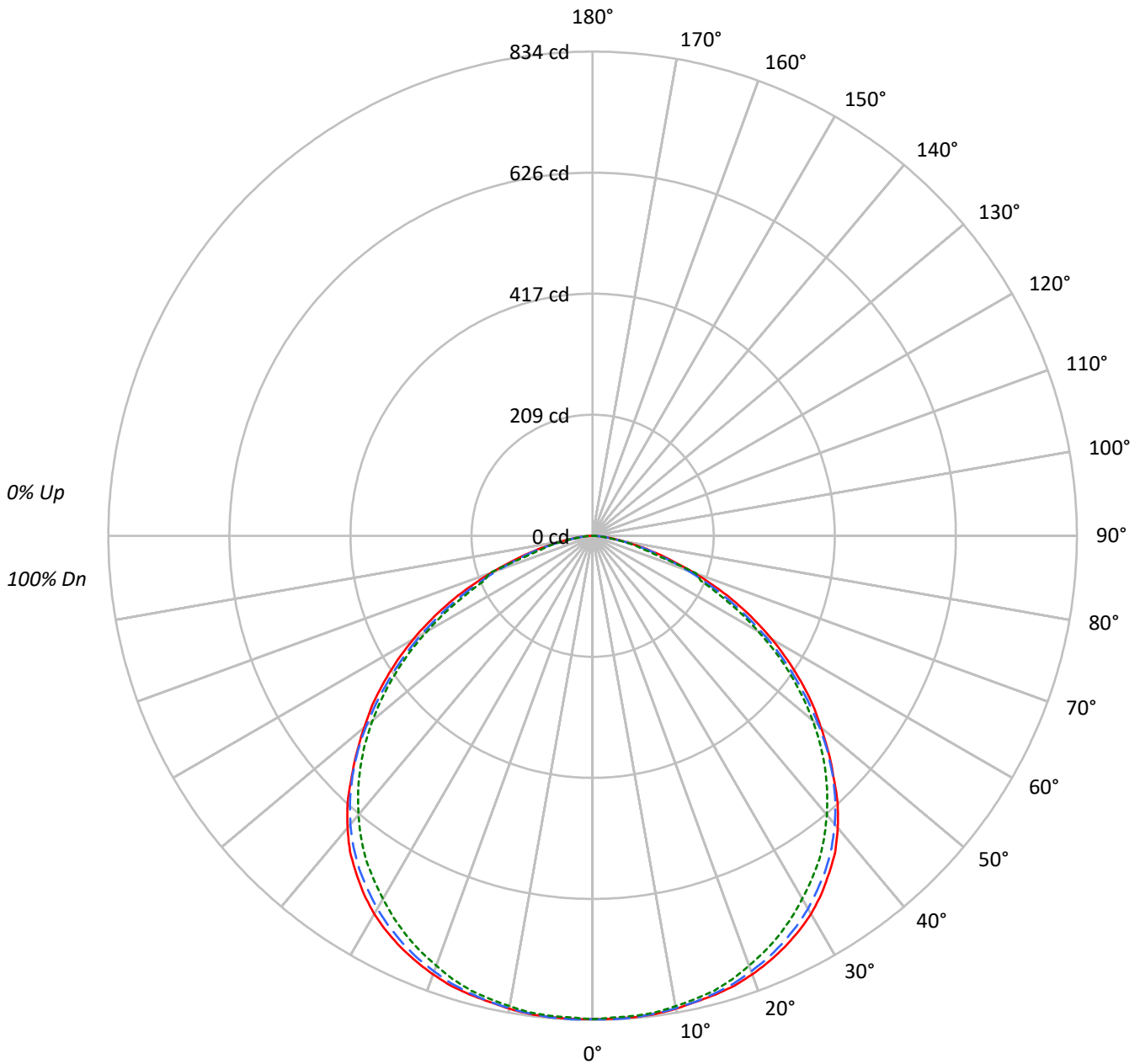
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2314.4 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	2241	2241	2241
5°	2248	2249	2242
10°	2260	2258	2248
15°	2279	2273	2259
20°	2302	2286	2256
25°	2322	2299	2255
30°	2337	2305	2244
35°	2331	2302	2235
40°	2307	2279	2204
45°	2233	2226	2154
50°	2148	2129	2071
55°	2055	1995	1950
60°	1920	1834	1772
65°	1729	1622	1535
70°	1446	1356	1489
75°	1142	1098	951
80°	821	730	744
85°	522	438	411



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.2	3.4
10°-20°	230.1	9.9
20°-30°	355.8	15.4
30°-40°	435.5	18.8
40°-50°	446.5	19.3
50°-60°	380.3	16.4
60°-70°	254.1	11.0
70°-80°	112.6	4.9
80°-90°	20.4	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°	665.1	28.7
0°-40°	1100.6	47.6
0°-60°	1927.4	83.3
0°-90°	2314.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2314.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	833	833	833	833	833	
5°	832	830	833	832	830	79
15°	818	815	816	814	811	231
25°	782	779	774	764	760	361
35°	710	708	701	685	680	444
45°	587	588	585	572	566	453
55°	438	436	425	417	416	391
65°	272	269	255	243	241	268
75°	110	111	106	106	92	119
85°	17	16	14	14	13	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	832.7	832.7	832.7	832.7	832.7
2.5°	832.7	831.4	833.6	834.6	830.4
5°	832.3	830.4	832.7	832.3	830.0
7.5°	830.9	827.7	830.0	829.1	828.2
10°	827.2	824.5	826.3	825.0	822.7
12.5°	822.2	820.4	821.8	820.4	817.2
15°	818.1	815.4	815.8	813.5	810.8
17.5°	812.6	808.5	808.5	803.9	800.7
20°	803.9	800.3	798.4	792.0	787.9
22.5°	793.9	791.1	787.5	779.2	774.7
25°	782.0	779.2	774.2	764.1	759.6
27.5°	768.3	764.6	759.1	747.2	741.7
30°	752.2	747.7	741.7	728.5	722.1
32.5°	732.6	729.4	721.6	707.9	701.9
35°	709.7	707.9	700.6	685.0	680.5
37.5°	686.4	682.7	676.3	659.9	655.3
40°	656.7	654.4	648.9	632.9	627.4
42.5°	624.7	623.3	618.7	603.6	597.7
45°	586.7	588.5	584.9	571.6	566.1
47.5°	550.6	549.7	548.3	536.4	531.8
50°	513.1	511.3	508.5	498.9	494.8
52.5°	477.9	474.2	466.9	458.7	455.9
55°	438.1	435.8	425.3	416.6	415.7
57.5°	397.8	396.5	383.7	373.6	373.6
60°	356.7	354.9	340.7	330.2	329.3
62.5°	313.7	312.3	297.7	285.8	286.3
65°	271.6	269.3	254.7	243.3	241.0
67.5°	227.7	226.8	212.6	202.1	201.2
70°	183.8	183.8	172.4	163.3	189.3
72.5°	145.0	143.6	134.4	130.3	124.4
75°	109.8	111.1	105.6	106.1	91.5
77.5°	78.2	75.9	73.6	68.6	72.7
80°	53.0	51.7	47.1	45.7	48.0
82.5°	32.9	33.4	29.3	26.5	26.1
85°	16.9	16.5	14.2	13.7	13.3
87.5°	6.4	6.9	5.9	5.5	5.0
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)