

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: P505847

Luminaire Tested: **14PD-25-PR1-L840**

Issue Date: 3/26/2021



**Test Information**

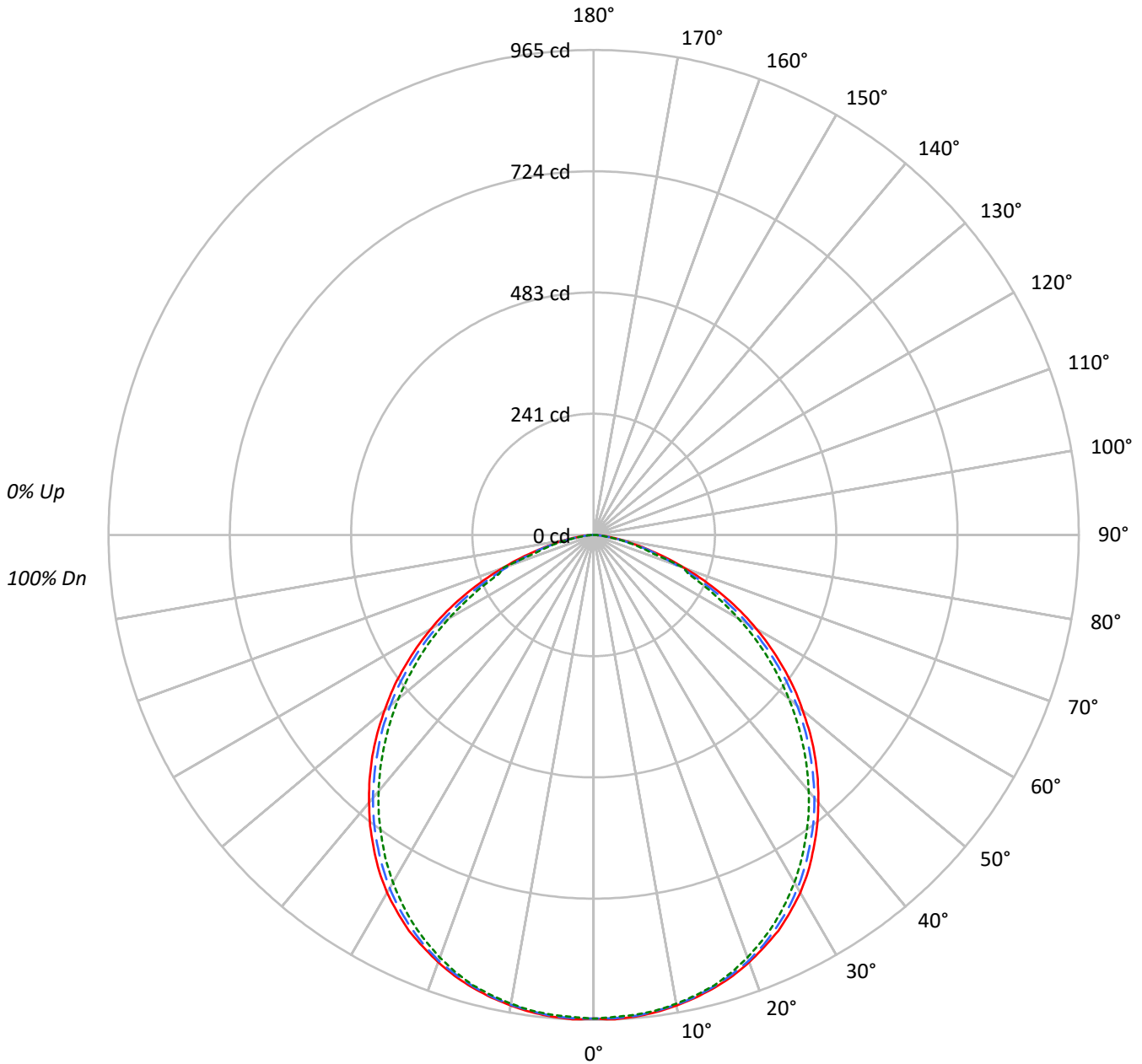
Test Method: LM-79-08  
Report Number: P505847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PR1-L840  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2477.0 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	2590	2590	2590
5°	2599	2595	2588
10°	2599	2593	2588
15°	2598	2590	2584
20°	2591	2582	2562
25°	2581	2558	2529
30°	2554	2521	2481
35°	2504	2466	2417
40°	2442	2400	2338
45°	2369	2311	2239
50°	2271	2211	2122
55°	2160	2076	1977
60°	2011	1906	1788
65°	1806	1678	1570
70°	1519	1384	1496
75°	1170	1125	1012
80°	841	753	716
85°	516	442	398



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	3.7
10°-20°	262.1	10.6
20°-30°	395.9	16.0
30°-40°	468.4	18.9
40°-50°	467.0	18.9
50°-60°	394.5	15.9
60°-70°	262.9	10.6
70°-80°	114.2	4.6
80°-90°	20.7	0.8
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°	749.3	30.2
0°-40°	1217.6	49.2
0°-60°	2079.2	83.9
0°-90°	2477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2477.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	962	958	961	960	958	91
15°	932	928	930	928	928	263
25°	869	863	861	854	852	400
35°	762	757	751	741	736	477
45°	623	617	607	594	588	479
55°	460	457	442	428	421	411
65°	284	280	264	252	246	280
75°	112	110	108	104	97	123
85°	17	17	14	13	13	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	962.5	962.5	962.5	962.5	962.5
2.5°	964.9	960.6	962.5	962.5	960.1
5°	962.0	958.2	960.6	959.6	958.2
7.5°	957.7	953.9	955.3	954.9	954.4
10°	951.1	947.2	949.1	948.2	947.2
12.5°	942.5	938.7	940.6	939.1	938.2
15°	932.5	928.2	929.6	928.2	927.7
17.5°	920.1	915.8	916.3	914.3	912.4
20°	904.8	901.0	901.5	896.7	894.8
22.5°	887.2	883.4	882.9	876.7	874.3
25°	869.1	863.3	861.4	853.8	851.9
27.5°	846.2	840.9	838.1	830.0	826.2
30°	821.9	816.1	811.4	802.3	798.5
32.5°	794.2	788.5	782.3	772.8	768.5
35°	762.3	757.0	750.8	740.8	735.6
37.5°	730.3	724.6	718.4	706.5	702.2
40°	695.1	689.8	683.1	670.3	665.5
42.5°	659.8	653.6	645.5	633.1	627.8
45°	622.6	616.9	607.3	594.5	588.3
47.5°	583.5	578.7	568.7	554.9	548.2
50°	542.5	538.7	528.2	512.9	506.8
52.5°	503.4	498.2	486.3	471.0	464.3
55°	460.5	457.2	442.4	428.1	421.4
57.5°	417.6	413.3	398.5	384.2	378.0
60°	373.7	369.9	354.2	339.9	332.3
62.5°	329.4	325.1	308.4	295.6	288.4
65°	283.6	280.3	263.6	252.2	246.5
67.5°	237.9	235.5	217.9	208.3	204.0
70°	193.1	189.7	175.9	172.1	190.2
72.5°	151.6	147.3	135.4	129.2	124.4
75°	112.5	110.1	108.2	104.4	97.3
77.5°	79.1	78.7	72.0	66.7	72.0
80°	54.3	56.3	48.6	44.3	46.2
82.5°	33.4	37.2	29.1	25.7	24.8
85°	16.7	17.2	14.3	13.3	12.9
87.5°	6.2	7.2	6.2	5.2	5.2
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)