

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: P505857

Luminaire Tested: **14PD-25-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505857
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-L850
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

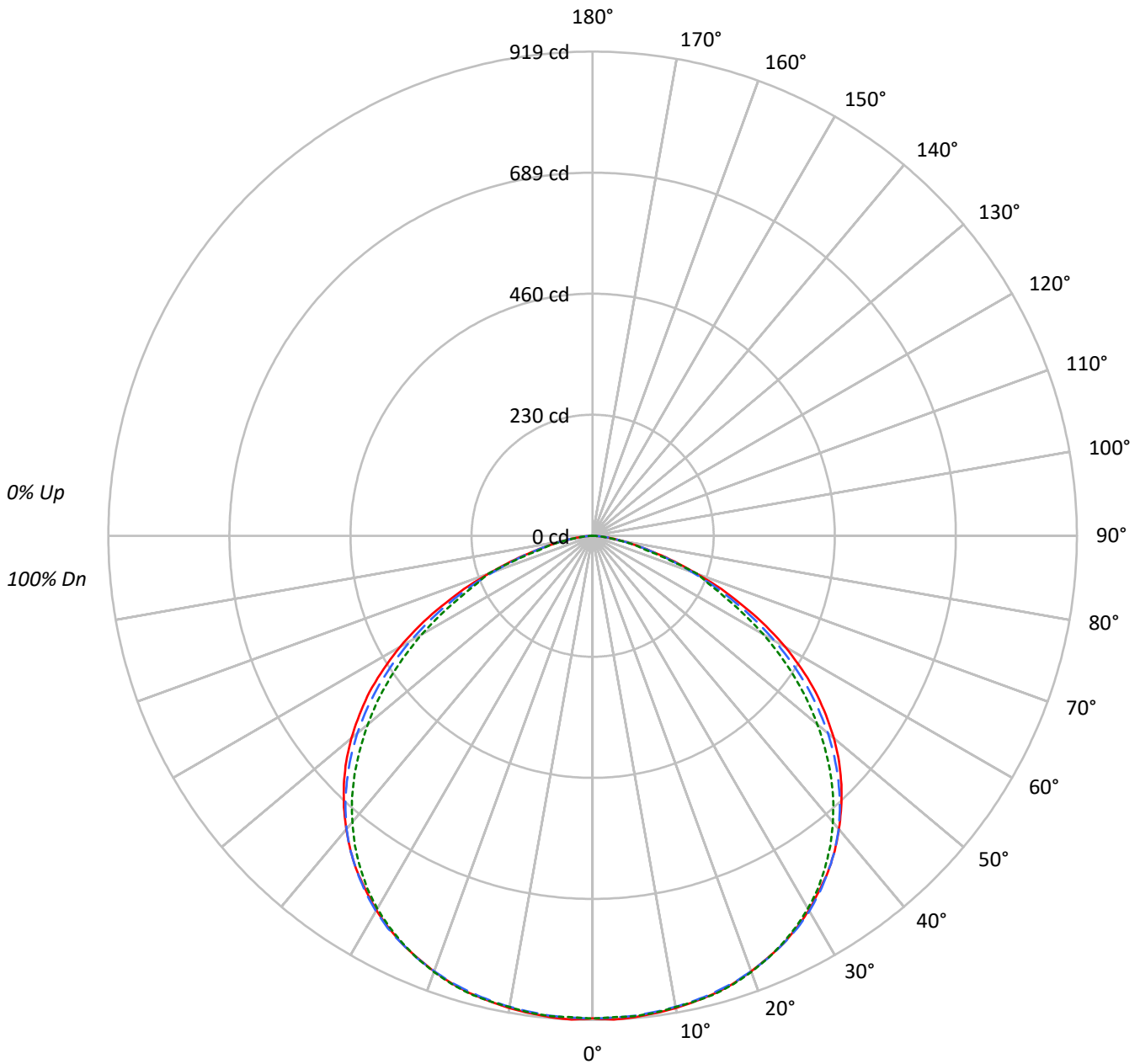
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2608.9 lumens
Efficiency: N/A
Efficacy: 114.9 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_{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	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°	2465	2465	2465
5°	2477	2470	2473
10°	2488	2481	2482
15°	2505	2499	2507
20°	2519	2518	2522
25°	2539	2539	2534
30°	2550	2555	2539
35°	2558	2558	2526
40°	2554	2552	2492
45°	2540	2511	2430
50°	2502	2441	2331
55°	2425	2323	2196
60°	2271	2146	2012
65°	2011	1896	1771
70°	1642	1569	1654
75°	1238	1216	1093
80°	891	835	835
85°	559	528	463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	3.3
10°-20°	253.6	9.7
20°-30°	393.7	15.1
30°-40°	484.8	18.6
40°-50°	504.8	19.3
50°-60°	439.0	16.8
60°-70°	294.9	11.3
70°-80°	127.7	4.9
80°-90°	23.4	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°	734.3	28.1
0°-40°	1219.2	46.7
0°-60°	2162.9	82.9
0°-90°	2608.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2608.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	917	911	914	917	916	87
15°	899	893	897	900	900	254
25°	855	851	855	855	853	394
35°	779	777	779	772	769	487
45°	668	665	660	645	638	514
55°	517	508	495	475	468	459
65°	316	310	298	284	278	313
75°	119	120	117	120	105	131
85°	18	19	17	15	15	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.1	916.1	916.1	916.1	916.1
2.5°	919.2	913.5	915.5	918.6	914.5
5°	917.1	911.4	914.5	916.6	915.5
7.5°	914.0	909.8	911.4	913.5	912.9
10°	910.4	906.2	907.8	909.8	908.3
12.5°	904.7	900.0	903.1	905.2	904.7
15°	899.0	892.8	896.9	900.0	900.0
17.5°	890.7	885.5	889.6	892.2	891.7
20°	879.8	876.2	879.3	881.4	880.8
22.5°	867.4	864.8	868.4	868.4	868.4
25°	855.0	850.8	855.0	855.0	853.4
27.5°	838.9	835.3	840.5	838.9	836.3
30°	820.8	818.7	822.3	819.7	817.1
32.5°	799.5	798.5	802.1	797.0	794.9
35°	778.8	776.8	778.8	772.1	769.0
37.5°	754.5	752.4	754.5	745.7	741.0
40°	727.0	725.5	726.5	715.1	709.4
42.5°	698.6	697.0	694.4	680.4	675.8
45°	667.5	665.4	659.7	644.7	638.5
47.5°	634.4	630.7	622.4	606.4	598.1
50°	597.6	592.4	583.1	565.5	556.7
52.5°	557.7	551.5	539.6	522.0	513.7
55°	516.8	507.5	495.1	475.4	468.1
57.5°	470.2	460.4	447.4	429.3	421.0
60°	422.0	412.2	398.7	382.2	373.9
62.5°	370.8	362.0	348.5	333.0	325.7
65°	315.9	310.2	297.8	283.8	278.1
67.5°	264.1	258.4	248.0	236.1	238.2
70°	208.7	208.2	199.4	191.1	210.2
72.5°	162.6	161.6	156.9	152.8	151.7
75°	119.1	120.1	117.0	119.6	105.1
77.5°	83.9	84.9	84.4	77.2	80.8
80°	57.5	57.5	53.9	51.3	53.9
82.5°	34.7	41.4	37.3	30.6	29.5
85°	18.1	18.6	17.1	15.0	15.0
87.5°	6.7	7.8	6.7	6.2	5.7
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)