

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: P506208

Luminaire Tested: **22PD-25-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PW1-L850
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

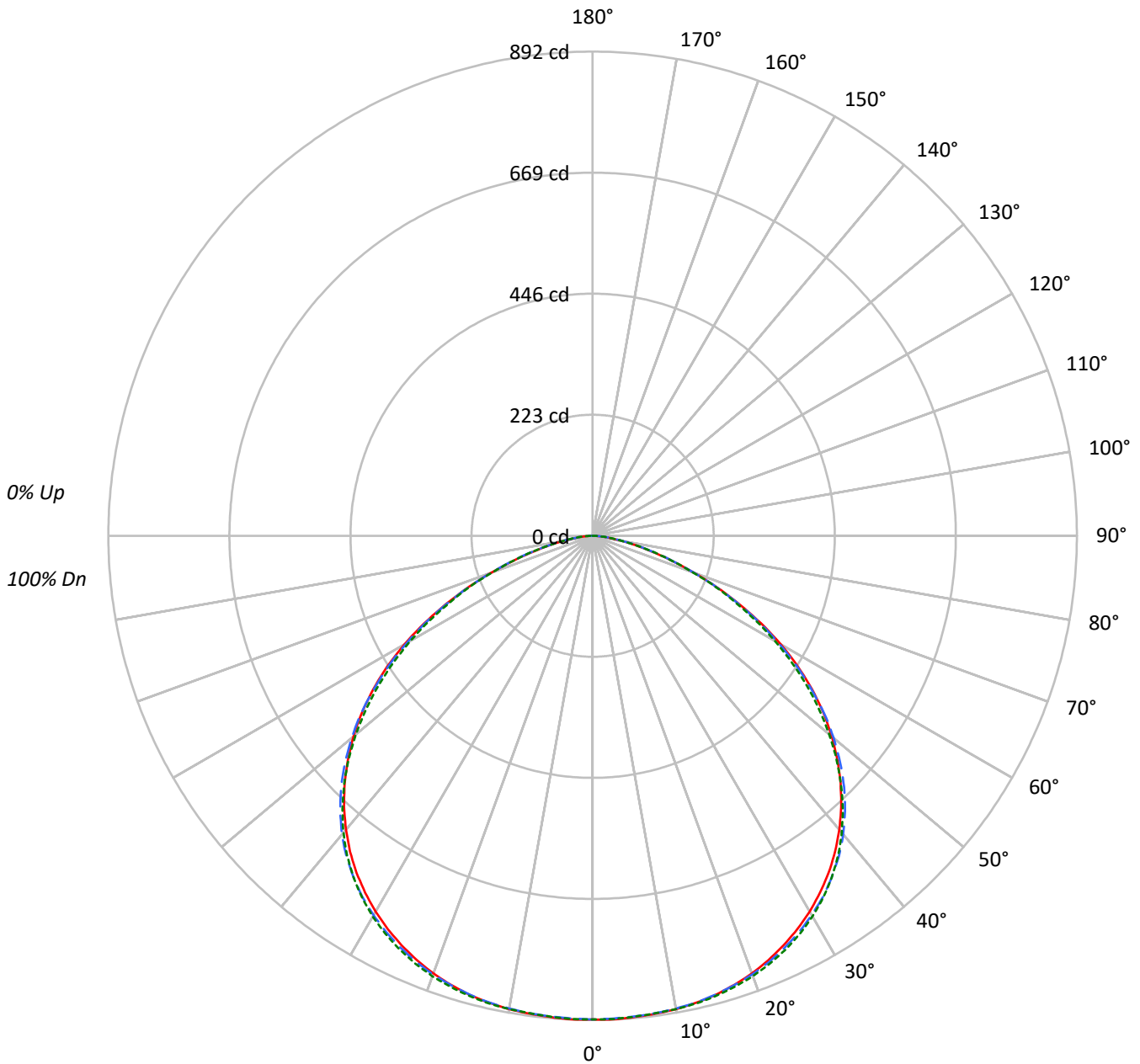
Lumens per Lamp: N/A
Luminaire Lumens: 2575.8 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
Input Voltage (V): NR
Input Current (A_{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

TEST NUMBER: P506208

CATALOG NUMBER: 22PD-25-PW1-L850

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	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°	2398	2398	2398
5°	2404	2401	2402
10°	2420	2417	2419
15°	2439	2438	2445
20°	2457	2462	2473
25°	2472	2486	2497
30°	2484	2508	2517
35°	2490	2522	2523
40°	2483	2523	2508
45°	2458	2493	2463
50°	2408	2425	2381
55°	2314	2304	2260
60°	2154	2131	2086
65°	1900	1882	1845
70°	1556	1563	1531
75°	1179	1219	1208
80°	854	888	874
85°	562	580	621



TEST NUMBER: P506208
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	3.3
10°-20°	247.5	9.6
20°-30°	385.8	15.0
30°-40°	478.2	18.6
40°-50°	500.4	19.4
50°-60°	436.0	16.9
60°-70°	292.1	11.3
70°-80°	126.6	4.9
80°-90°	24.4	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°	718.0	27.9
0°-40°	1196.2	46.4
0°-60°	2132.7	82.8
0°-90°	2575.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2575.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	890	889	889	888	889	85
15°	876	874	875	876	878	247
25°	832	833	837	840	841	384
35°	758	761	768	769	768	474
45°	646	649	655	650	647	497
55°	493	493	491	486	482	439
65°	298	297	296	293	290	295
75°	113	115	117	116	116	125
85°	18	19	19	19	20	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	891.1	891.1	891.1	891.1	891.1
2.5°	892.0	890.4	890.1	890.1	891.1
5°	890.1	889.2	888.8	888.5	889.2
7.5°	888.2	886.9	887.2	886.6	887.2
10°	885.6	884.4	884.4	884.4	885.3
12.5°	881.2	880.2	880.6	881.2	882.5
15°	875.5	874.2	875.1	876.1	877.7
17.5°	867.5	866.5	868.1	869.7	871.0
20°	857.9	857.0	859.9	862.1	863.4
22.5°	846.2	845.8	849.7	852.2	853.2
25°	832.5	832.8	837.2	839.8	841.1
27.5°	816.9	817.5	823.2	825.5	826.7
30°	799.3	800.9	807.0	808.9	809.9
32.5°	779.6	781.8	789.2	790.4	790.4
35°	757.9	760.8	767.8	768.8	768.1
37.5°	733.7	736.9	744.9	743.6	742.7
40°	706.7	710.2	718.1	715.6	714.0
42.5°	677.7	681.2	688.2	684.4	682.1
45°	645.8	649.3	655.1	649.7	647.1
47.5°	611.5	615.6	618.5	612.4	609.2
50°	575.1	576.4	579.3	572.3	568.8
52.5°	535.7	535.7	537.9	530.2	526.1
55°	493.3	493.0	491.1	485.7	481.8
57.5°	448.4	446.5	445.2	439.5	435.0
60°	400.3	397.4	395.9	391.1	387.6
62.5°	350.0	348.4	346.5	342.7	338.8
65°	298.4	296.8	295.5	292.7	289.8
67.5°	247.1	246.2	246.2	244.3	243.9
70°	197.8	198.4	198.7	198.7	194.6
72.5°	153.2	153.5	155.1	153.8	153.5
75°	113.4	115.3	117.2	116.2	116.2
77.5°	81.5	84.4	84.4	83.8	82.8
80°	55.1	56.4	57.3	57.0	56.4
82.5°	35.0	36.0	35.0	35.7	36.0
85°	18.2	19.4	18.8	19.1	20.1
87.5°	6.1	6.7	7.0	6.7	6.7
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)