

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: P506207

Luminaire Tested: **22PD-25-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506207
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-L840
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

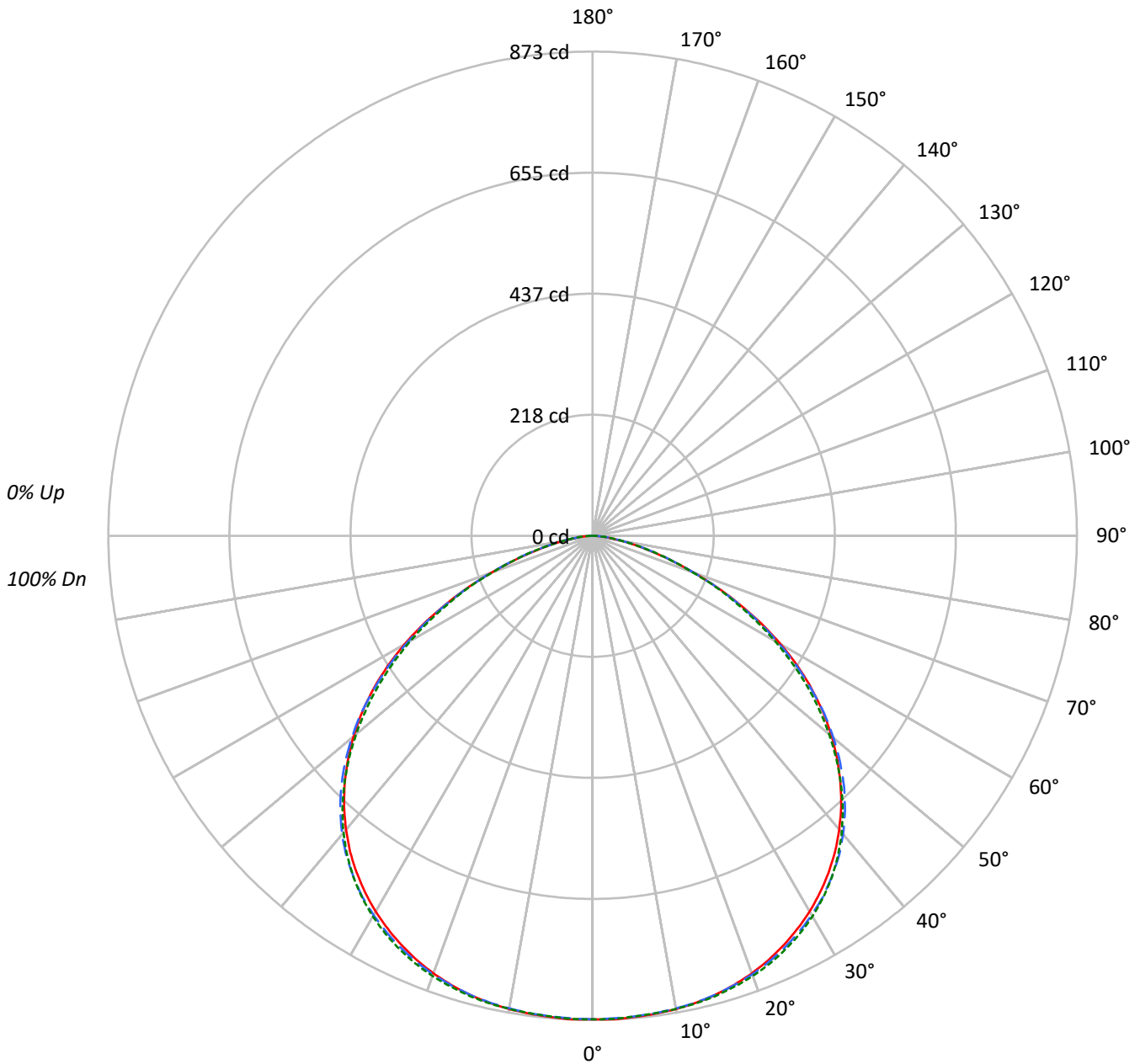
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2520.5 lumens
Efficiency: N/A
Efficacy: 126.7 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

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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	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	84	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°	2346	2346	2346
5°	2353	2350	2350
10°	2368	2365	2367
15°	2387	2386	2393
20°	2404	2410	2419
25°	2419	2433	2444
30°	2431	2454	2463
35°	2437	2468	2469
40°	2429	2468	2454
45°	2405	2439	2410
50°	2356	2373	2330
55°	2265	2254	2212
60°	2108	2085	2041
65°	1859	1841	1806
70°	1522	1530	1498
75°	1153	1193	1182
80°	835	869	855
85°	550	568	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	3.3
10°-20°	242.2	9.6
20°-30°	377.5	15.0
30°-40°	467.9	18.6
40°-50°	489.6	19.4
50°-60°	426.7	16.9
60°-70°	285.8	11.3
70°-80°	123.9	4.9
80°-90°	23.9	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°	702.6	27.9
0°-40°	1170.6	46.4
0°-60°	2086.9	82.8
0°-90°	2520.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	872	872	872	872	872	
5°	871	870	870	869	870	83
15°	857	855	856	857	859	242
25°	815	815	819	822	823	376
35°	742	744	751	752	752	464
45°	632	635	641	636	633	487
55°	483	482	480	475	472	430
65°	292	290	289	286	284	289
75°	111	113	115	114	114	122
85°	18	19	18	19	20	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	871.9	871.9	871.9	871.9	871.9
2.5°	872.9	871.3	871.0	871.0	871.9
5°	871.0	870.1	869.8	869.4	870.1
7.5°	869.1	867.9	868.2	867.6	868.2
10°	866.6	865.4	865.4	865.4	866.3
12.5°	862.3	861.3	861.7	862.3	863.5
15°	856.7	855.4	856.4	857.3	858.9
17.5°	848.9	847.9	849.5	851.1	852.3
20°	839.5	838.6	841.4	843.6	844.8
22.5°	828.0	827.7	831.4	833.9	834.9
25°	814.6	814.9	819.3	821.8	823.0
27.5°	799.3	800.0	805.6	807.7	809.0
30°	782.2	783.7	789.7	791.5	792.5
32.5°	762.9	765.1	772.2	773.5	773.5
35°	741.7	744.5	751.3	752.3	751.7
37.5°	718.0	721.1	728.9	727.7	726.7
40°	691.5	694.9	702.7	700.2	698.7
42.5°	663.1	666.6	673.4	669.7	667.5
45°	632.0	635.4	641.0	635.7	633.2
47.5°	598.3	602.4	605.2	599.3	596.1
50°	562.8	564.0	566.9	560.0	556.6
52.5°	524.2	524.2	526.3	518.9	514.8
55°	482.7	482.4	480.5	475.2	471.5
57.5°	438.8	436.9	435.7	430.0	425.7
60°	391.7	388.9	387.4	382.7	379.3
62.5°	342.5	340.9	339.1	335.3	331.6
65°	292.0	290.4	289.2	286.4	283.6
67.5°	241.8	240.9	240.9	239.0	238.7
70°	193.5	194.1	194.5	194.5	190.4
72.5°	149.9	150.2	151.8	150.5	150.2
75°	110.9	112.8	114.7	113.7	113.7
77.5°	79.8	82.6	82.6	82.0	81.0
80°	53.9	55.2	56.1	55.8	55.2
82.5°	34.3	35.2	34.3	34.9	35.2
85°	17.8	19.0	18.4	18.7	19.6
87.5°	5.9	6.5	6.9	6.5	6.5
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)