

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: P506206

Luminaire Tested: **22PD-25-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506206
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-L835
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

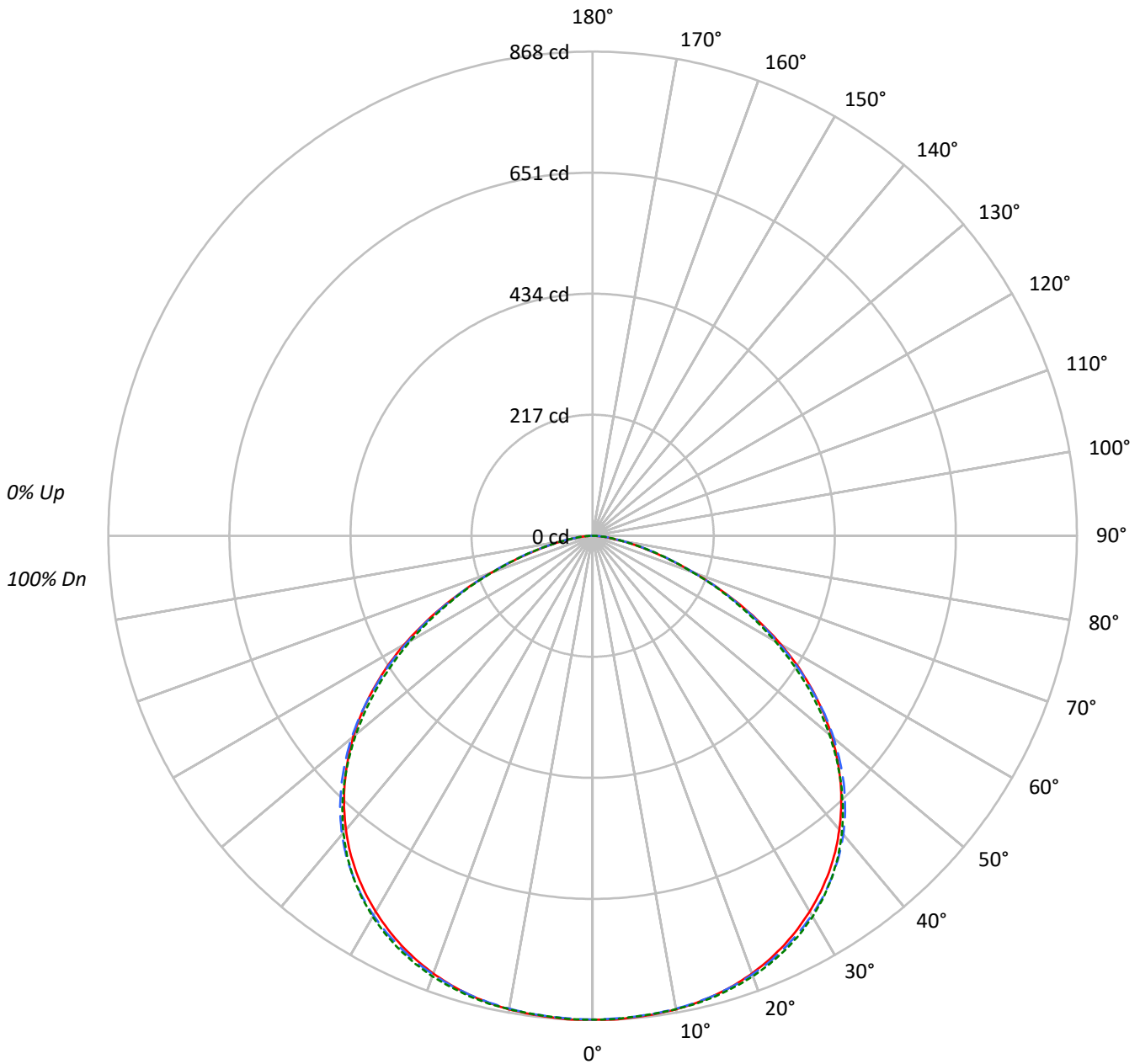
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2507.4 lumens
Efficiency: N/A
Efficacy: 126.0 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°	2334	2334	2334
5°	2341	2337	2338
10°	2356	2352	2355
15°	2374	2373	2380
20°	2392	2397	2407
25°	2406	2420	2431
30°	2418	2441	2450
35°	2424	2455	2457
40°	2416	2456	2442
45°	2393	2427	2397
50°	2344	2361	2318
55°	2253	2243	2201
60°	2097	2074	2031
65°	1850	1832	1796
70°	1515	1522	1490
75°	1148	1186	1177
80°	831	865	851
85°	546	565	602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	3.3
10°-20°	240.9	9.6
20°-30°	375.6	15.0
30°-40°	465.5	18.6
40°-50°	487.1	19.4
50°-60°	424.5	16.9
60°-70°	284.3	11.3
70°-80°	123.3	4.9
80°-90°	23.7	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°	699.0	27.9
0°-40°	1164.5	46.4
0°-60°	2076.1	82.8
0°-90°	2507.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2507.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	867	867	867	867	867	
5°	866	866	865	865	866	83
15°	852	851	852	853	854	241
25°	810	811	815	818	819	374
35°	738	741	747	748	748	461
45°	629	632	638	632	630	484
55°	480	480	478	473	469	428
65°	290	289	288	285	282	287
75°	110	112	114	113	113	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°	867.4	867.4	867.4	867.4	867.4
2.5°	868.4	866.8	866.5	866.5	867.4
5°	866.5	865.6	865.3	864.9	865.6
7.5°	864.6	863.4	863.7	863.1	863.7
10°	862.2	860.9	860.9	860.9	861.8
12.5°	857.8	856.9	857.2	857.8	859.1
15°	852.2	851.0	851.9	852.8	854.4
17.5°	844.5	843.5	845.1	846.6	847.9
20°	835.2	834.2	837.0	839.2	840.4
22.5°	823.7	823.4	827.1	829.6	830.5
25°	810.4	810.7	815.0	817.5	818.7
27.5°	795.2	795.8	801.4	803.6	804.8
30°	778.1	779.7	785.6	787.4	788.4
32.5°	758.9	761.1	768.2	769.5	769.5
35°	737.8	740.6	747.4	748.4	747.8
37.5°	714.3	717.4	725.1	723.9	723.0
40°	687.9	691.3	699.1	696.6	695.1
42.5°	659.7	663.1	669.9	666.2	664.1
45°	628.7	632.1	637.7	632.4	629.9
47.5°	595.2	599.3	602.0	596.2	593.1
50°	559.9	561.1	563.9	557.1	553.7
52.5°	521.4	521.4	523.6	516.2	512.1
55°	480.2	479.9	478.0	472.8	469.1
57.5°	436.5	434.6	433.4	427.8	423.5
60°	389.7	386.9	385.3	380.7	377.3
62.5°	340.7	339.2	337.3	333.6	329.9
65°	290.5	288.9	287.7	284.9	282.1
67.5°	240.6	239.6	239.6	237.8	237.5
70°	192.5	193.1	193.4	193.4	189.4
72.5°	149.1	149.4	151.0	149.7	149.4
75°	110.4	112.2	114.1	113.2	113.2
77.5°	79.4	82.2	82.2	81.5	80.6
80°	53.6	54.9	55.8	55.5	54.9
82.5°	34.1	35.0	34.1	34.7	35.0
85°	17.7	18.9	18.3	18.6	19.5
87.5°	5.9	6.5	6.8	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)