

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: P506191

Luminaire Tested: **22PD-25-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PL1-L927
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

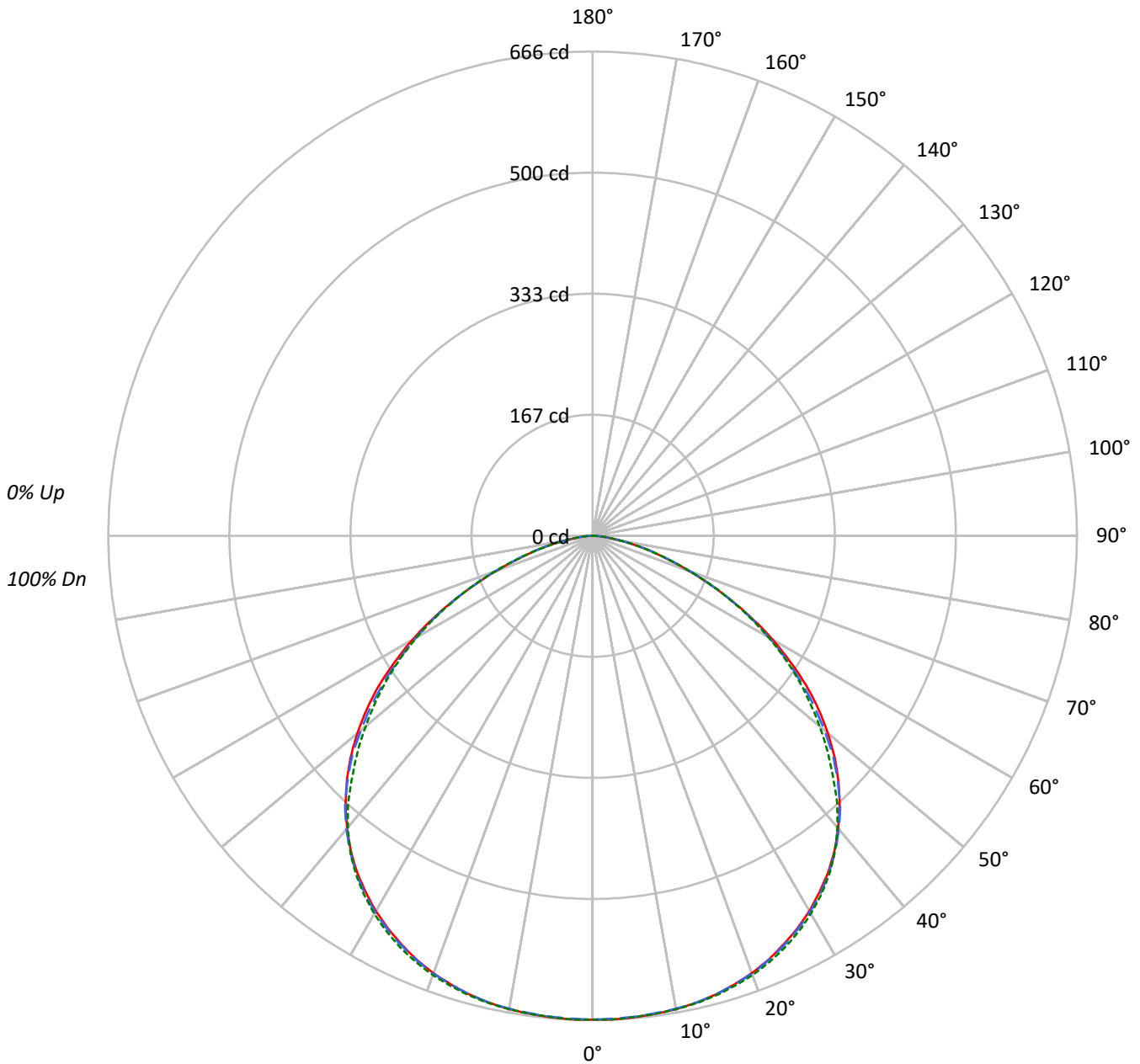
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1884.9 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
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	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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1791	1791	1791
5°	1796	1794	1794
10°	1807	1805	1807
15°	1820	1820	1824
20°	1833	1835	1841
25°	1843	1847	1856
30°	1852	1858	1865
35°	1855	1861	1865
40°	1845	1850	1839
45°	1819	1814	1777
50°	1768	1740	1705
55°	1682	1639	1620
60°	1540	1511	1502
65°	1343	1340	1335
70°	1101	1119	1116
75°	872	887	872
80°	638	635	632
85°	426	420	448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	3.4
10°-20°	184.6	9.8
20°-30°	287.0	15.2
30°-40°	353.8	18.8
40°-50°	365.5	19.4
50°-60°	312.7	16.6
60°-70°	208.7	11.1
70°-80°	91.6	4.9
80°-90°	17.7	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°	534.9	28.4
0°-40°	888.7	47.2
0°-60°	1566.9	83.1
0°-90°	1884.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1884.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	665	664	664	664	664	63
15°	653	653	653	654	655	185
25°	621	621	622	624	625	286
35°	565	565	567	568	568	353
45°	478	478	477	472	467	368
55°	358	354	349	348	345	319
65°	211	210	210	211	210	209
75°	84	83	85	85	84	91
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.5	665.5	665.5	665.5	665.5
2.5°	665.9	665.0	664.8	664.8	665.9
5°	664.8	663.8	664.1	663.6	664.3
7.5°	663.1	662.2	662.4	662.2	663.1
10°	661.2	660.3	660.5	660.3	661.2
12.5°	658.0	657.3	657.7	658.0	658.7
15°	653.3	652.6	653.3	653.7	654.7
17.5°	647.2	646.7	647.4	648.1	649.3
20°	640.2	639.7	640.9	641.6	643.0
22.5°	631.5	631.0	632.2	633.8	634.8
25°	620.7	620.7	622.1	624.0	625.2
27.5°	609.2	609.0	610.6	612.5	613.7
30°	596.1	595.6	598.0	599.6	600.3
32.5°	580.9	581.1	583.2	584.9	585.1
35°	564.7	564.7	566.6	567.7	567.7
37.5°	546.2	546.0	547.8	548.3	547.6
40°	525.3	525.6	526.7	526.5	523.5
42.5°	502.8	503.1	504.0	500.7	497.7
45°	478.0	477.8	476.6	472.1	467.0
47.5°	451.5	450.4	448.5	441.7	437.9
50°	422.2	420.4	415.7	410.3	407.2
52.5°	391.3	388.0	383.3	379.1	376.5
55°	358.5	354.1	349.4	347.5	345.4
57.5°	322.0	319.1	315.2	314.2	312.8
60°	286.1	283.1	280.7	280.7	279.1
62.5°	248.6	246.7	245.8	246.3	244.6
65°	210.9	210.4	210.4	211.1	209.7
67.5°	174.3	175.3	175.0	177.4	175.5
70°	139.9	141.5	142.2	144.6	141.8
72.5°	110.1	110.4	111.3	112.0	110.6
75°	83.9	83.2	85.3	84.8	83.9
77.5°	60.7	60.2	60.9	61.4	60.2
80°	41.2	40.8	41.0	41.7	40.8
82.5°	26.0	25.5	25.5	26.2	26.0
85°	13.8	13.6	13.6	14.1	14.5
87.5°	4.9	4.7	4.9	4.9	4.9
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)