

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: P506193

Luminaire Tested: **22PD-25-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506193
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-L935
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

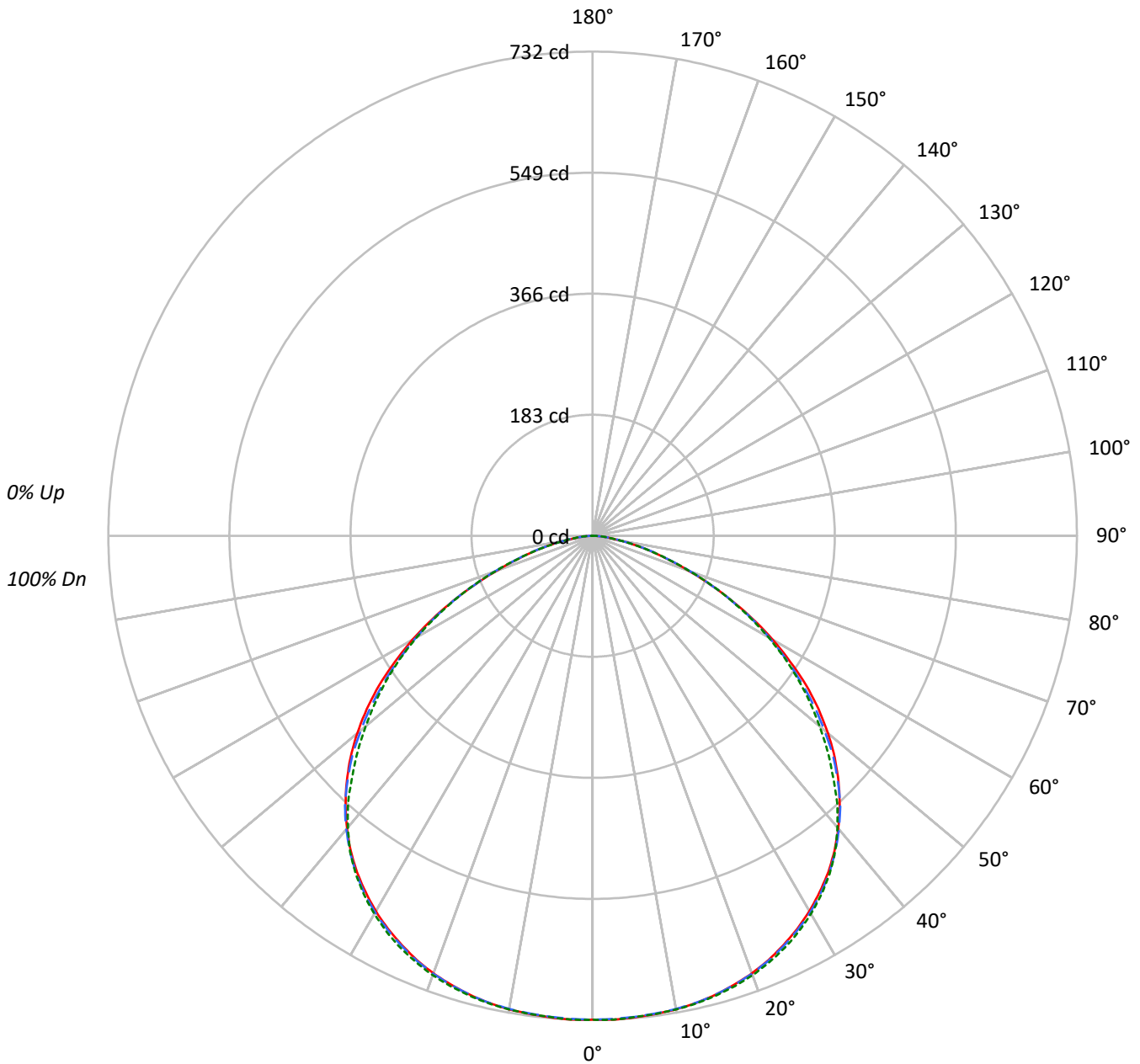
Lumens per Lamp: N/A
Luminaire Lumens: 2072.5 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	63	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°	1969	1969	1969
5°	1974	1972	1973
10°	1987	1985	1987
15°	2001	2001	2005
20°	2016	2018	2025
25°	2026	2031	2041
30°	2037	2043	2051
35°	2040	2047	2051
40°	2029	2035	2022
45°	2000	1994	1954
50°	1944	1913	1875
55°	1849	1802	1782
60°	1693	1661	1651
65°	1477	1473	1468
70°	1210	1231	1227
75°	959	975	959
80°	702	699	694
85°	469	460	494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	3.4
10°-20°	203.0	9.8
20°-30°	315.6	15.2
30°-40°	389.0	18.8
40°-50°	401.8	19.4
50°-60°	343.8	16.6
60°-70°	229.5	11.1
70°-80°	100.7	4.9
80°-90°	19.5	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°	588.2	28.4
0°-40°	977.2	47.2
0°-60°	1722.8	83.1
0°-90°	2072.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	731	730	730	730	730	70
15°	718	718	718	719	720	203
25°	682	682	684	686	687	315
35°	621	621	623	624	624	388
45°	526	525	524	519	514	405
55°	394	389	384	382	380	350
65°	232	231	231	232	231	230
75°	92	92	94	93	92	100
85°	15	15	15	16	16	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.7	731.7	731.7	731.7	731.7
2.5°	732.2	731.2	730.9	730.9	732.2
5°	730.9	729.9	730.1	729.6	730.4
7.5°	729.1	728.1	728.3	728.1	729.1
10°	727.1	726.0	726.3	726.0	727.1
12.5°	723.4	722.7	723.2	723.4	724.2
15°	718.3	717.5	718.3	718.8	719.8
17.5°	711.6	711.1	711.9	712.6	713.9
20°	703.9	703.3	704.6	705.4	707.0
22.5°	694.3	693.8	695.1	696.9	697.9
25°	682.5	682.5	684.0	686.1	687.4
27.5°	669.9	669.6	671.4	673.5	674.8
30°	655.4	654.9	657.5	659.3	660.1
32.5°	638.7	638.9	641.3	643.1	643.3
35°	620.9	620.9	623.0	624.3	624.3
37.5°	600.6	600.3	602.4	602.9	602.1
40°	577.6	577.9	579.2	578.9	575.6
42.5°	552.9	553.1	554.2	550.6	547.2
45°	525.6	525.3	524.0	519.1	513.5
47.5°	496.5	495.2	493.1	485.6	481.5
50°	464.3	462.2	457.0	451.1	447.8
52.5°	430.3	426.6	421.5	416.9	414.0
55°	394.2	389.3	384.1	382.1	379.8
57.5°	354.0	350.9	346.5	345.5	343.9
60°	314.6	311.2	308.6	308.6	306.8
62.5°	273.4	271.3	270.3	270.8	269.0
65°	231.9	231.4	231.4	232.1	230.6
67.5°	191.7	192.7	192.5	195.0	193.0
70°	153.8	155.6	156.4	159.0	155.9
72.5°	121.1	121.3	122.4	123.2	121.6
75°	92.2	91.5	93.8	93.3	92.2
77.5°	66.7	66.2	67.0	67.5	66.2
80°	45.3	44.8	45.1	45.9	44.8
82.5°	28.6	28.1	28.1	28.9	28.6
85°	15.2	14.9	14.9	15.5	16.0
87.5°	5.4	5.2	5.4	5.4	5.4
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)