

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: P506194

Luminaire Tested: **22PD-25-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506194
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-L940
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

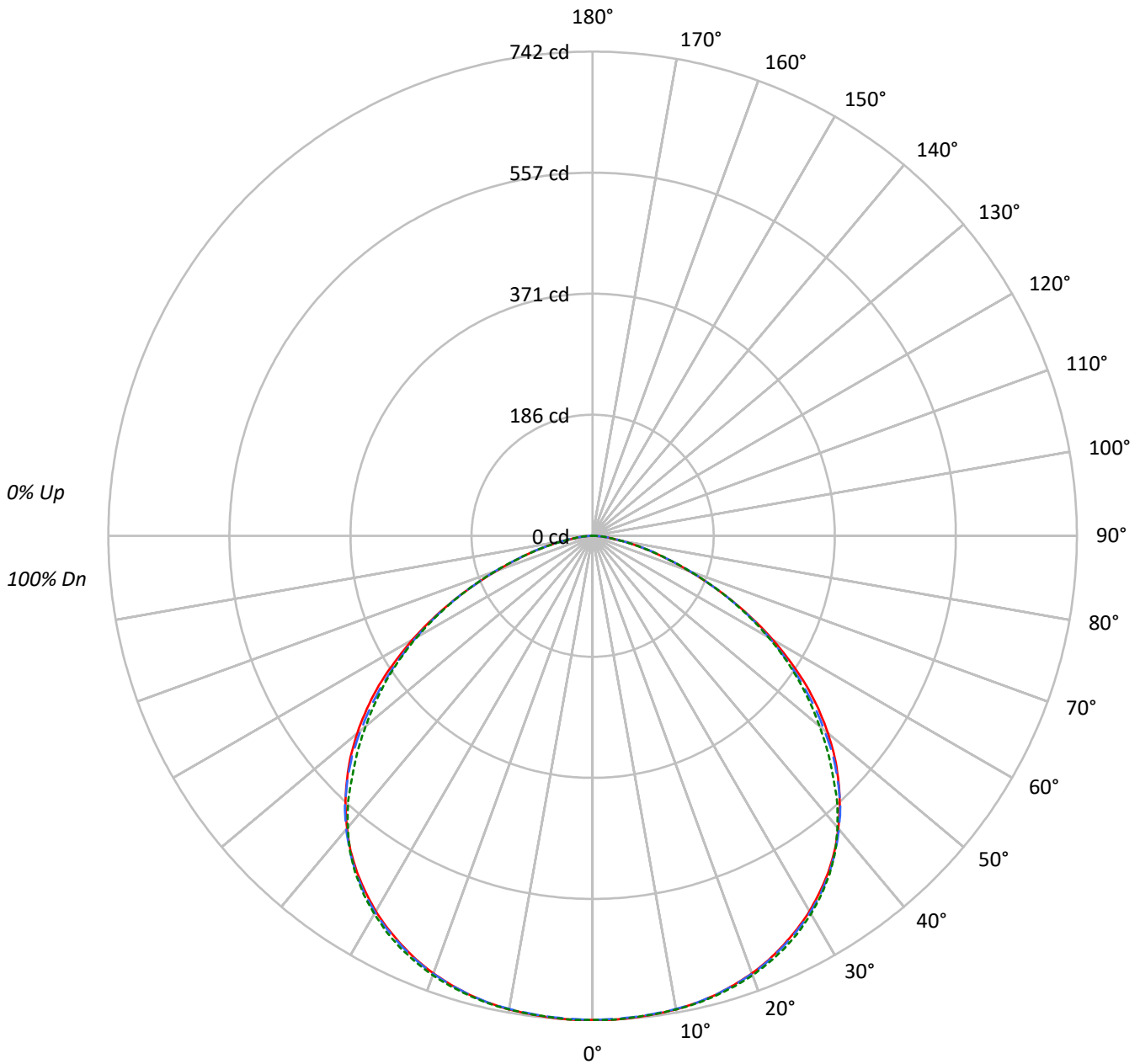
Lumens per Lamp: N/A
Luminaire Lumens: 2101.3 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506194

CATALOG NUMBER: 22PD-25-PL1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506194

CATALOG NUMBER: 22PD-25-PL1-L940

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°	1996	1996	1996
5°	2002	2000	2000
10°	2014	2012	2014
15°	2029	2029	2033
20°	2044	2046	2053
25°	2055	2059	2069
30°	2065	2071	2079
35°	2068	2075	2079
40°	2057	2063	2050
45°	2028	2022	1981
50°	1971	1940	1901
55°	1875	1827	1806
60°	1716	1684	1674
65°	1497	1494	1489
70°	1227	1248	1243
75°	972	989	972
80°	713	708	705
85°	475	469	500



TEST NUMBER: P506194

CATALOG NUMBER: 22PD-25-PL1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	3.4
10°-20°	205.8	9.8
20°-30°	319.9	15.2
30°-40°	394.4	18.8
40°-50°	407.4	19.4
50°-60°	348.6	16.6
60°-70°	232.7	11.1
70°-80°	102.1	4.9
80°-90°	19.8	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°	596.3	28.4
0°-40°	990.7	47.1
0°-60°	1746.8	83.1
0°-90°	2101.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2101.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	741	740	740	740	740	71
15°	728	728	728	729	730	206
25°	692	692	694	696	697	319
35°	630	630	632	633	633	393
45°	533	533	531	526	521	410
55°	400	395	390	387	385	355
65°	235	235	235	235	234	233
75°	94	93	95	95	94	101
85°	15	15	15	16	16	20
90°	0	0	0	0	0	



TEST NUMBER: P506194

CATALOG NUMBER: 22PD-25-PL1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.9	741.9	741.9	741.9	741.9
2.5°	742.4	741.3	741.1	741.1	742.4
5°	741.1	740.0	740.3	739.8	740.5
7.5°	739.2	738.2	738.5	738.2	739.2
10°	737.2	736.1	736.4	736.1	737.2
12.5°	733.5	732.7	733.2	733.5	734.3
15°	728.3	727.5	728.3	728.8	729.8
17.5°	721.5	721.0	721.7	722.5	723.8
20°	713.6	713.1	714.4	715.2	716.8
22.5°	704.0	703.5	704.8	706.6	707.6
25°	692.0	692.0	693.5	695.6	696.9
27.5°	679.2	678.9	680.7	682.8	684.1
30°	664.5	664.0	666.6	668.5	669.2
32.5°	647.6	647.8	650.2	652.0	652.3
35°	629.5	629.5	631.6	632.9	632.9
37.5°	608.9	608.6	610.7	611.2	610.5
40°	585.6	585.9	587.2	587.0	583.6
42.5°	560.6	560.8	561.9	558.2	554.8
45°	532.9	532.6	531.3	526.3	520.6
47.5°	503.4	502.1	500.0	492.4	488.2
50°	470.7	468.6	463.4	457.4	454.0
52.5°	436.2	432.6	427.3	422.6	419.8
55°	399.7	394.7	389.5	387.4	385.0
57.5°	358.9	355.8	351.3	350.3	348.7
60°	318.9	315.5	312.9	312.9	311.1
62.5°	277.1	275.1	274.0	274.5	272.7
65°	235.1	234.6	234.6	235.4	233.8
67.5°	194.3	195.4	195.1	197.7	195.7
70°	155.9	157.8	158.6	161.2	158.0
72.5°	122.8	123.0	124.1	124.9	123.3
75°	93.5	92.7	95.1	94.6	93.5
77.5°	67.7	67.1	67.9	68.4	67.1
80°	46.0	45.5	45.7	46.5	45.5
82.5°	29.0	28.5	28.5	29.3	29.0
85°	15.4	15.2	15.2	15.7	16.2
87.5°	5.5	5.2	5.5	5.5	5.5
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)