

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: P506212

Luminaire Tested: **22PD-25-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506212
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-L940
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

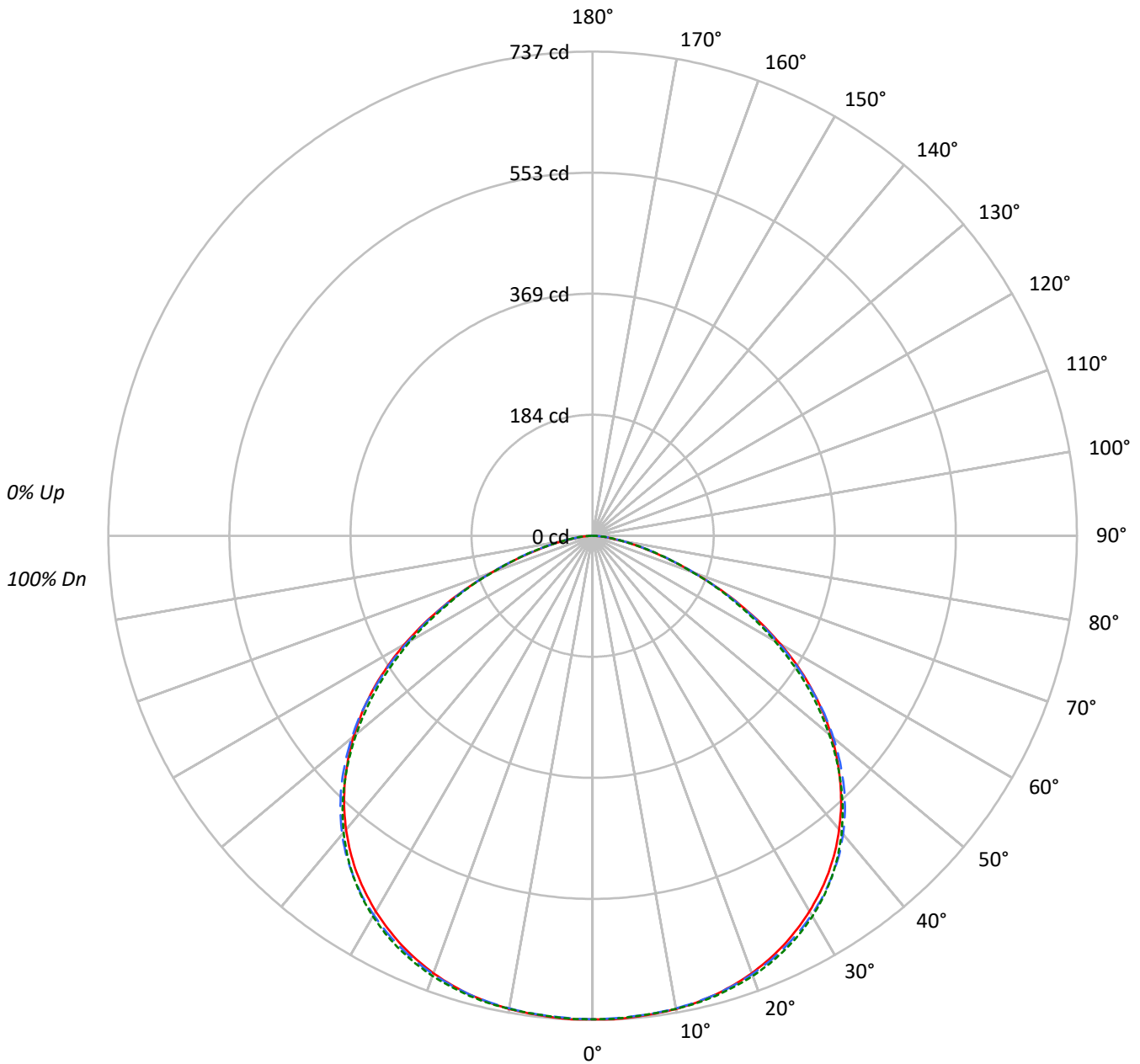
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2127.5 lumens
Efficiency: N/A
Efficacy: 106.9 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°	1981	1981	1981
5°	1986	1983	1984
10°	1999	1996	1998
15°	2014	2014	2020
20°	2029	2034	2042
25°	2042	2053	2063
30°	2051	2071	2078
35°	2057	2083	2084
40°	2050	2084	2072
45°	2030	2059	2034
50°	1989	2003	1967
55°	1912	1903	1867
60°	1779	1760	1723
65°	1570	1554	1524
70°	1286	1291	1264
75°	973	1006	998
80°	705	733	722
85°	463	479	513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	3.3
10°-20°	204.4	9.6
20°-30°	318.7	15.0
30°-40°	395.0	18.6
40°-50°	413.3	19.4
50°-60°	360.2	16.9
60°-70°	241.3	11.3
70°-80°	104.6	4.9
80°-90°	20.1	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°	593.1	27.9
0°-40°	988.1	46.4
0°-60°	1761.5	82.8
0°-90°	2127.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2127.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	735	734	734	734	734	70
15°	723	722	723	724	725	204
25°	688	688	692	694	695	317
35°	626	628	634	635	634	391
45°	534	536	541	537	534	411
55°	408	407	406	401	398	363
65°	246	245	244	242	239	244
75°	94	95	97	96	96	103
85°	15	16	16	16	17	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.0	736.0	736.0	736.0	736.0
2.5°	736.8	735.5	735.2	735.2	736.0
5°	735.2	734.4	734.2	733.9	734.4
7.5°	733.6	732.6	732.8	732.3	732.8
10°	731.5	730.5	730.5	730.5	731.3
12.5°	727.8	727.1	727.3	727.8	728.9
15°	723.1	722.1	722.9	723.6	725.0
17.5°	716.5	715.7	717.1	718.4	719.4
20°	708.6	707.9	710.2	712.1	713.1
22.5°	698.9	698.7	701.8	703.9	704.7
25°	687.6	687.9	691.5	693.7	694.7
27.5°	674.7	675.2	680.0	681.8	682.9
30°	660.2	661.6	666.6	668.1	668.9
32.5°	643.9	645.8	651.8	652.9	652.9
35°	626.1	628.4	634.2	635.0	634.5
37.5°	606.1	608.7	615.3	614.2	613.4
40°	583.7	586.6	593.2	591.1	589.7
42.5°	559.8	562.7	568.4	565.3	563.4
45°	533.5	536.4	541.1	536.6	534.5
47.5°	505.0	508.5	510.8	505.8	503.2
50°	475.1	476.1	478.5	472.7	469.8
52.5°	442.4	442.4	444.3	438.0	434.6
55°	407.5	407.2	405.6	401.1	398.0
57.5°	370.4	368.8	367.7	363.0	359.3
60°	330.6	328.3	327.0	323.0	320.1
62.5°	289.1	287.8	286.2	283.0	279.9
65°	246.5	245.2	244.1	241.7	239.4
67.5°	204.1	203.3	203.3	201.8	201.5
70°	163.4	163.9	164.1	164.1	160.7
72.5°	126.5	126.8	128.1	127.1	126.8
75°	93.6	95.2	96.8	96.0	96.0
77.5°	67.3	69.7	69.7	69.2	68.4
80°	45.5	46.6	47.3	47.1	46.6
82.5°	28.9	29.7	28.9	29.5	29.7
85°	15.0	16.0	15.5	15.8	16.6
87.5°	5.0	5.5	5.8	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)