

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: P506213

Luminaire Tested: **22PD-25-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

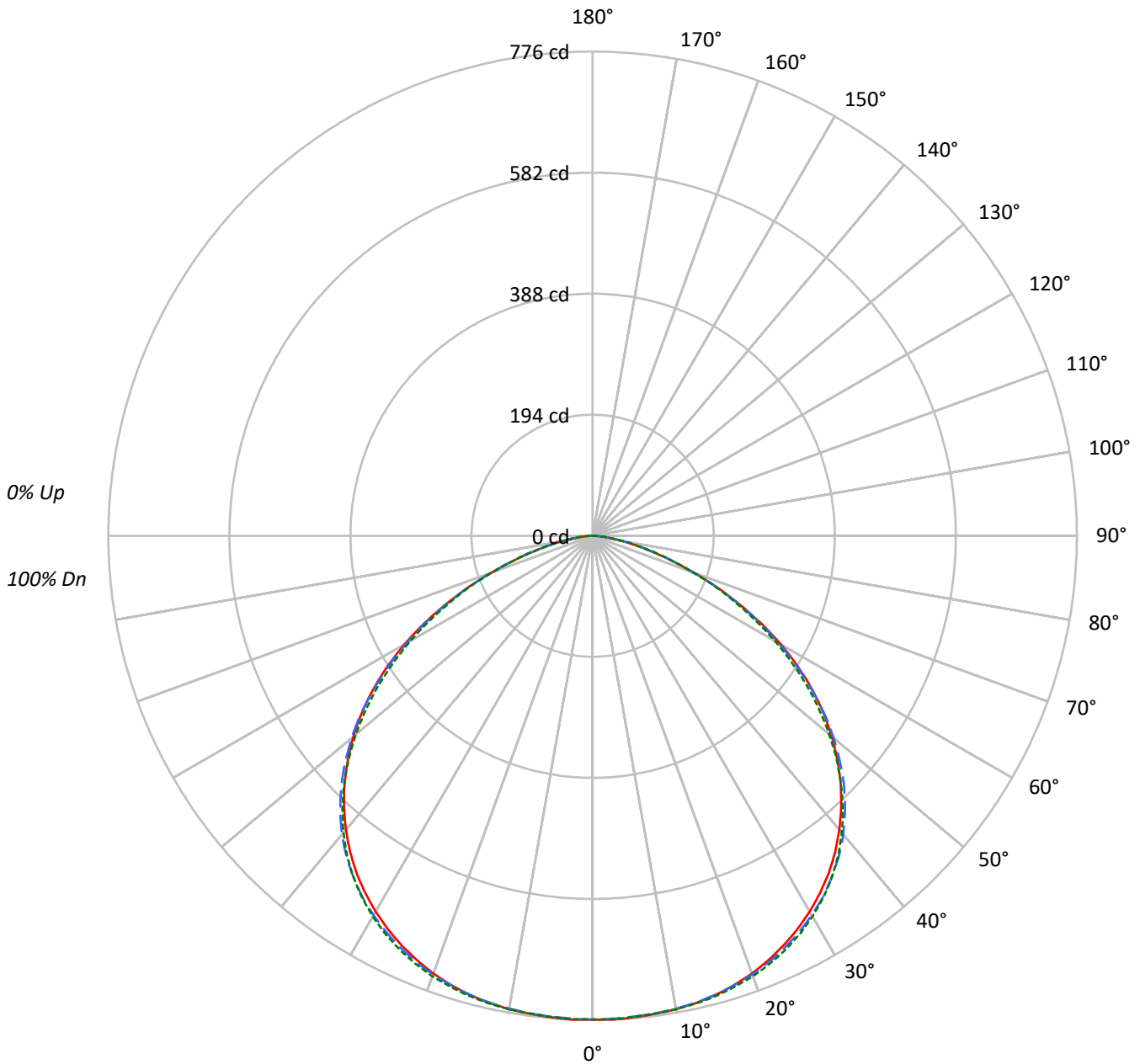
Test Method: LM-79-08  
Report Number: P506213  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-25-PW1-L950  
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2241.0 lumens  
Efficiency: N/A  
Efficacy: 112.6 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<sub>in</sub>): 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					20					
RC	80					70					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°	2086	2086	2086
5°	2092	2089	2090
10°	2106	2103	2105
15°	2122	2121	2128
20°	2138	2142	2151
25°	2151	2163	2173
30°	2161	2182	2189
35°	2167	2195	2195
40°	2160	2195	2182
45°	2138	2169	2143
50°	2095	2110	2072
55°	2014	2005	1967
60°	1875	1854	1815
65°	1653	1637	1605
70°	1354	1360	1332
75°	1025	1061	1051
80°	742	773	759
85°	488	503	540



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.7	3.3
10°-20°	215.3	9.6
20°-30°	335.7	15.0
30°-40°	416.1	18.6
40°-50°	435.4	19.4
50°-60°	379.4	16.9
60°-70°	254.1	11.3
70°-80°	110.2	4.9
80°-90°	21.2	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°	624.7	27.9
0°-40°	1040.8	46.4
0°-60°	1855.6	82.8
0°-90°	2241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	775	775	775	775	775	
5°	774	774	773	773	774	74
15°	762	761	761	762	764	215
25°	724	725	728	731	732	334
35°	660	662	668	669	668	412
45°	562	565	570	565	563	433
55°	429	429	427	423	419	382
65°	260	258	257	255	252	257
75°	99	100	102	101	101	109
85°	16	17	16	17	18	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	775.3	775.3	775.3	775.3	775.3
2.5°	776.1	774.7	774.5	774.5	775.3
5°	774.5	773.6	773.4	773.1	773.6
7.5°	772.8	771.7	772.0	771.4	772.0
10°	770.6	769.5	769.5	769.5	770.3
12.5°	766.7	765.9	766.1	766.7	767.8
15°	761.7	760.6	761.4	762.3	763.7
17.5°	754.8	754.0	755.3	756.7	757.8
20°	746.5	745.6	748.1	750.1	751.2
22.5°	736.2	735.9	739.3	741.5	742.3
25°	724.3	724.6	728.5	730.7	731.8
27.5°	710.7	711.3	716.3	718.2	719.3
30°	695.5	696.9	702.1	703.8	704.6
32.5°	678.3	680.2	686.6	687.7	687.7
35°	659.5	662.0	668.1	668.9	668.3
37.5°	638.4	641.2	648.1	647.0	646.2
40°	614.9	617.9	624.8	622.6	621.2
42.5°	589.6	592.7	598.8	595.5	593.5
45°	561.9	565.0	570.0	565.3	563.0
47.5°	532.0	535.6	538.1	532.8	530.1
50°	500.4	501.5	504.0	497.9	494.9
52.5°	466.1	466.1	468.0	461.3	457.7
55°	429.2	428.9	427.3	422.6	419.2
57.5°	390.1	388.5	387.4	382.4	378.5
60°	348.3	345.8	344.4	340.3	337.2
62.5°	304.5	303.1	301.5	298.1	294.8
65°	259.6	258.2	257.1	254.6	252.1
67.5°	215.0	214.2	214.2	212.5	212.2
70°	172.1	172.6	172.9	172.9	169.3
72.5°	133.3	133.6	134.9	133.8	133.6
75°	98.6	100.3	102.0	101.1	101.1
77.5°	70.9	73.4	73.4	72.9	72.0
80°	47.9	49.0	49.9	49.6	49.0
82.5°	30.5	31.3	30.5	31.0	31.3
85°	15.8	16.9	16.3	16.6	17.5
87.5°	5.3	5.8	6.1	5.8	5.8
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)