

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: P506202

Luminaire Tested: **22PD-25-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506202  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-25-PR1-L935  
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3500K LEDS  
Light Source: -  
Ballast/Driver: -

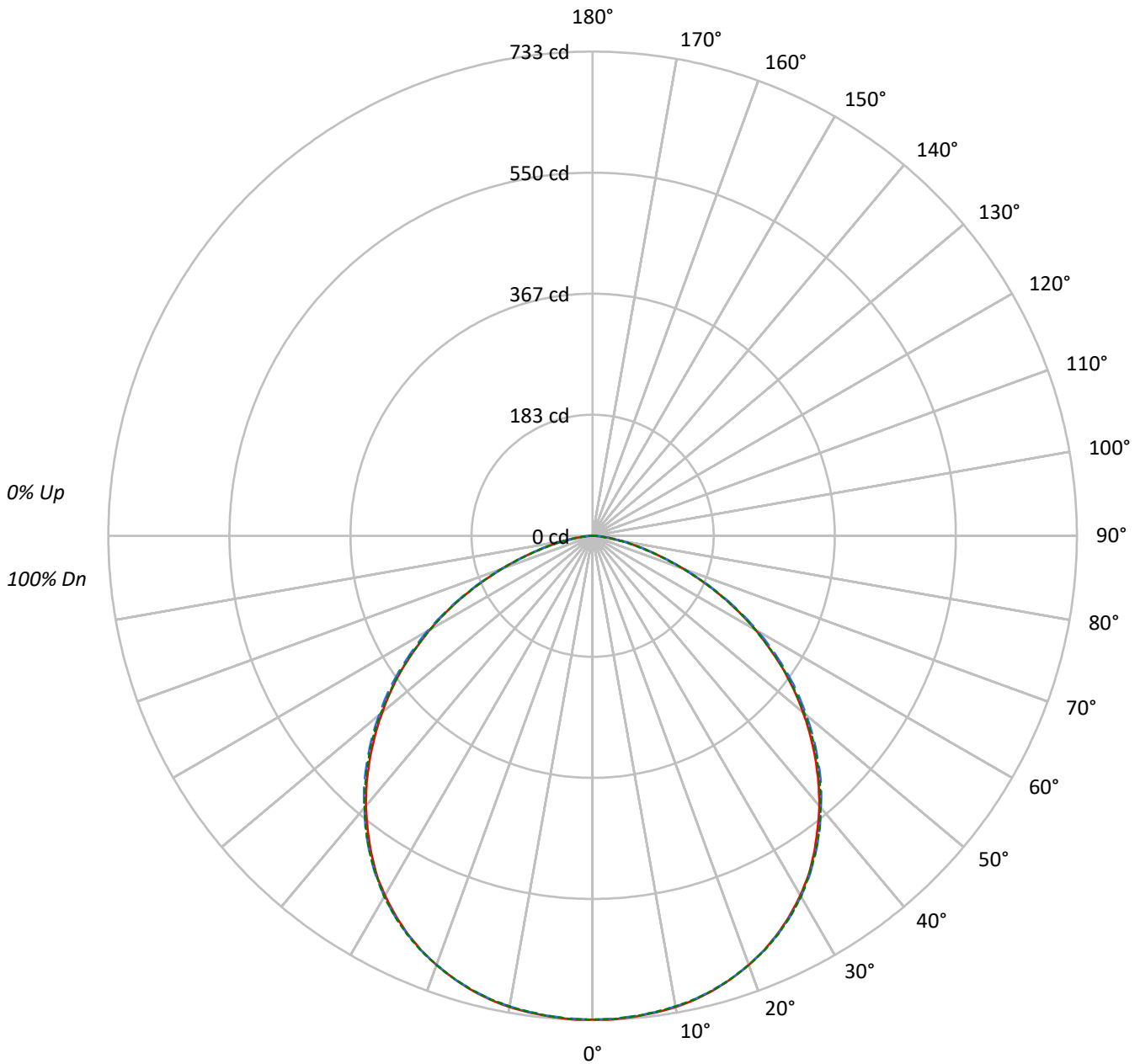
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1957.0 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1971	1971	1971
5°	1974	1972	1972
10°	1980	1977	1977
15°	1982	1980	1981
20°	1980	1979	1980
25°	1971	1973	1975
30°	1953	1959	1960
35°	1920	1931	1930
40°	1875	1888	1886
45°	1814	1837	1828
50°	1740	1767	1753
55°	1652	1678	1654
60°	1532	1553	1526
65°	1366	1380	1365
70°	1149	1149	1142
75°	900	900	890
80°	660	652	648
85°	429	429	438



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.5	3.6
10°-20°	200.7	10.3
20°-30°	306.1	15.6
30°-40°	366.9	18.7
40°-50°	370.5	18.9
50°-60°	317.0	16.2
60°-70°	213.8	10.9
70°-80°	94.3	4.8
80°-90°	18.1	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°	576.3	29.4
0°-40°	943.2	48.2
0°-60°	1630.8	83.3
0°-90°	1957.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.0	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°	712	711	711	711	711	201
25°	664	665	665	665	665	306
35°	585	588	588	587	588	365
45°	477	480	483	482	480	367
55°	352	355	358	357	353	314
65°	215	216	217	216	214	212
75°	87	87	87	87	86	94
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°	732.4	732.4	732.4	732.4	732.4
2.5°	732.9	731.9	731.6	731.4	732.4
5°	730.7	729.7	730.2	729.7	730.2
7.5°	728.0	727.0	727.2	726.7	727.2
10°	724.5	723.6	723.6	723.1	723.6
12.5°	719.2	718.4	718.2	717.7	718.4
15°	711.6	711.3	710.8	710.6	711.1
17.5°	702.3	701.8	702.3	701.5	702.0
20°	691.3	691.5	691.0	691.3	691.5
22.5°	678.8	678.8	679.0	679.0	679.5
25°	663.9	664.6	664.6	664.6	665.1
27.5°	647.2	648.2	648.9	648.4	648.9
30°	628.6	630.3	630.6	630.3	630.8
32.5°	608.6	609.8	610.5	610.0	609.5
35°	584.6	588.0	587.8	587.3	587.5
37.5°	559.4	562.8	564.0	563.0	563.3
40°	533.9	536.9	537.6	537.8	536.9
42.5°	505.8	509.2	511.9	510.7	509.2
45°	476.7	480.3	482.8	482.1	480.3
47.5°	446.6	450.0	453.4	452.2	450.5
50°	415.7	419.2	422.1	421.6	418.7
52.5°	384.2	388.1	390.8	389.8	385.9
55°	352.1	355.3	357.7	357.3	352.6
57.5°	317.4	321.5	322.8	322.0	318.6
60°	284.6	287.3	288.5	287.5	283.6
62.5°	249.6	251.8	252.8	252.5	249.8
65°	214.6	216.3	216.8	216.3	214.4
67.5°	178.6	181.1	181.3	181.3	179.4
70°	146.1	146.8	146.1	148.0	145.1
72.5°	114.5	115.0	114.5	114.5	113.3
75°	86.6	86.9	86.6	86.9	85.6
77.5°	62.6	63.1	62.2	62.9	61.7
80°	42.6	42.6	42.1	42.3	41.8
82.5°	26.4	26.9	26.2	26.2	25.9
85°	13.9	13.9	13.9	14.2	14.2
87.5°	4.9	4.9	5.1	5.1	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)