

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: P506366

Luminaire Tested: **22PD-55-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506366  
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-55-PR1-L950  
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

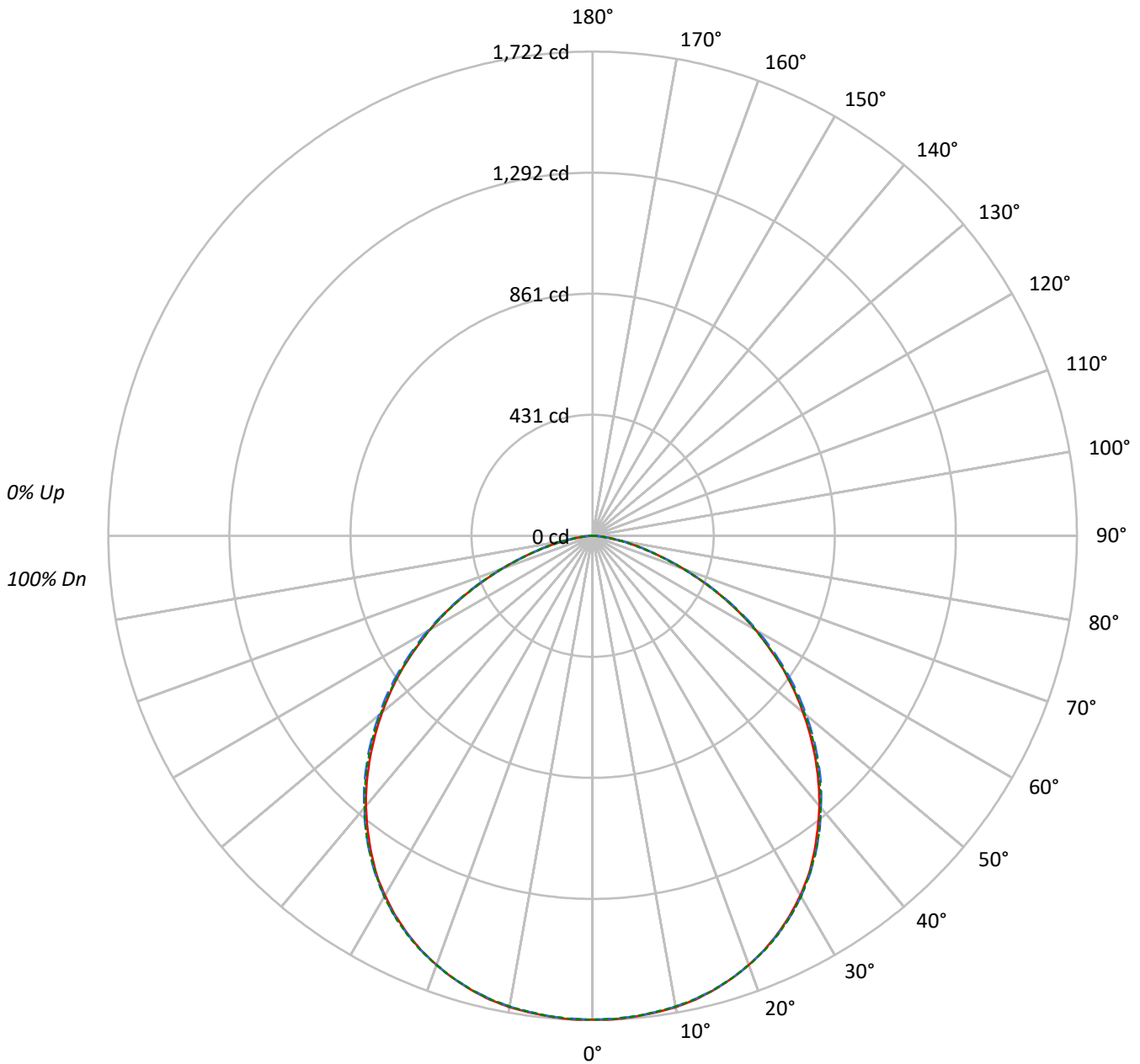
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4598.0 lumens  
Efficiency: N/A  
Efficacy: 101.3 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): 45.4  
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									
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	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°	4630	4630	4630
5°	4637	4634	4634
10°	4652	4645	4645
15°	4658	4653	4654
20°	4651	4649	4653
25°	4631	4636	4640
30°	4589	4604	4605
35°	4512	4537	4535
40°	4407	4437	4431
45°	4262	4317	4295
50°	4089	4152	4118
55°	3881	3943	3887
60°	3598	3648	3586
65°	3210	3244	3207
70°	2700	2700	2682
75°	2116	2116	2092
80°	1550	1533	1523
85°	1013	1013	1028



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.2	3.6
10°-20°	471.5	10.3
20°-30°	719.3	15.6
30°-40°	862.0	18.7
40°-50°	870.6	18.9
50°-60°	744.9	16.2
60°-70°	502.3	10.9
70°-80°	221.6	4.8
80°-90°	42.5	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°	1354.1	29.4
0°-40°	2216.1	48.2
0°-60°	3831.6	83.3
0°-90°	4598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4598.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1721	1721	1721	1721	1721	
5°	1717	1714	1716	1714	1716	163
15°	1672	1671	1670	1670	1671	472
25°	1560	1562	1562	1562	1563	718
35°	1374	1382	1381	1380	1380	858
45°	1120	1129	1134	1133	1129	863
55°	827	835	840	839	828	737
65°	504	508	509	508	504	498
75°	204	204	204	204	201	222
85°	33	33	33	33	33	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1720.7	1720.7	1720.7	1720.7	1720.7
2.5°	1721.9	1719.6	1719.0	1718.4	1720.7
5°	1716.7	1714.4	1715.6	1714.4	1715.6
7.5°	1710.4	1708.1	1708.7	1707.5	1708.7
10°	1702.3	1700.0	1700.0	1698.9	1700.0
12.5°	1689.7	1688.0	1687.4	1686.2	1688.0
15°	1671.9	1671.3	1670.1	1669.6	1670.7
17.5°	1650.0	1648.9	1650.0	1648.3	1649.4
20°	1624.1	1624.7	1623.6	1624.1	1624.7
22.5°	1594.8	1594.8	1595.4	1595.4	1596.5
25°	1559.8	1561.5	1561.5	1561.5	1562.6
27.5°	1520.7	1523.0	1524.7	1523.5	1524.7
30°	1477.0	1481.0	1481.6	1481.0	1482.1
32.5°	1429.8	1432.7	1434.4	1433.3	1432.1
35°	1373.5	1381.5	1381.0	1379.8	1380.4
37.5°	1314.3	1322.3	1325.2	1322.9	1323.5
40°	1254.5	1261.4	1263.1	1263.7	1261.4
42.5°	1188.4	1196.4	1202.7	1199.9	1196.4
45°	1119.9	1128.6	1134.3	1132.6	1128.6
47.5°	1049.2	1057.3	1065.3	1062.4	1058.4
50°	976.8	984.8	991.7	990.6	983.7
52.5°	902.6	911.8	918.1	915.8	906.6
55°	827.3	834.8	840.5	839.4	828.5
57.5°	745.7	755.4	758.3	756.6	748.5
60°	668.6	675.0	677.8	675.5	666.3
62.5°	586.4	591.6	593.9	593.3	587.0
65°	504.2	508.2	509.4	508.2	503.6
67.5°	419.7	425.4	426.0	426.0	421.4
70°	343.2	345.0	343.2	347.8	340.9
72.5°	269.1	270.2	269.1	269.1	266.2
75°	203.5	204.1	203.5	204.1	201.2
77.5°	147.2	148.3	146.0	147.8	144.9
80°	100.0	100.0	98.9	99.5	98.3
82.5°	62.1	63.2	61.5	61.5	60.9
85°	32.8	32.8	32.8	33.3	33.3
87.5°	11.5	11.5	12.1	12.1	11.5
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)