

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: P506708

Luminaire Tested: **24PD-55-PL1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-55-PL1-L950  
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

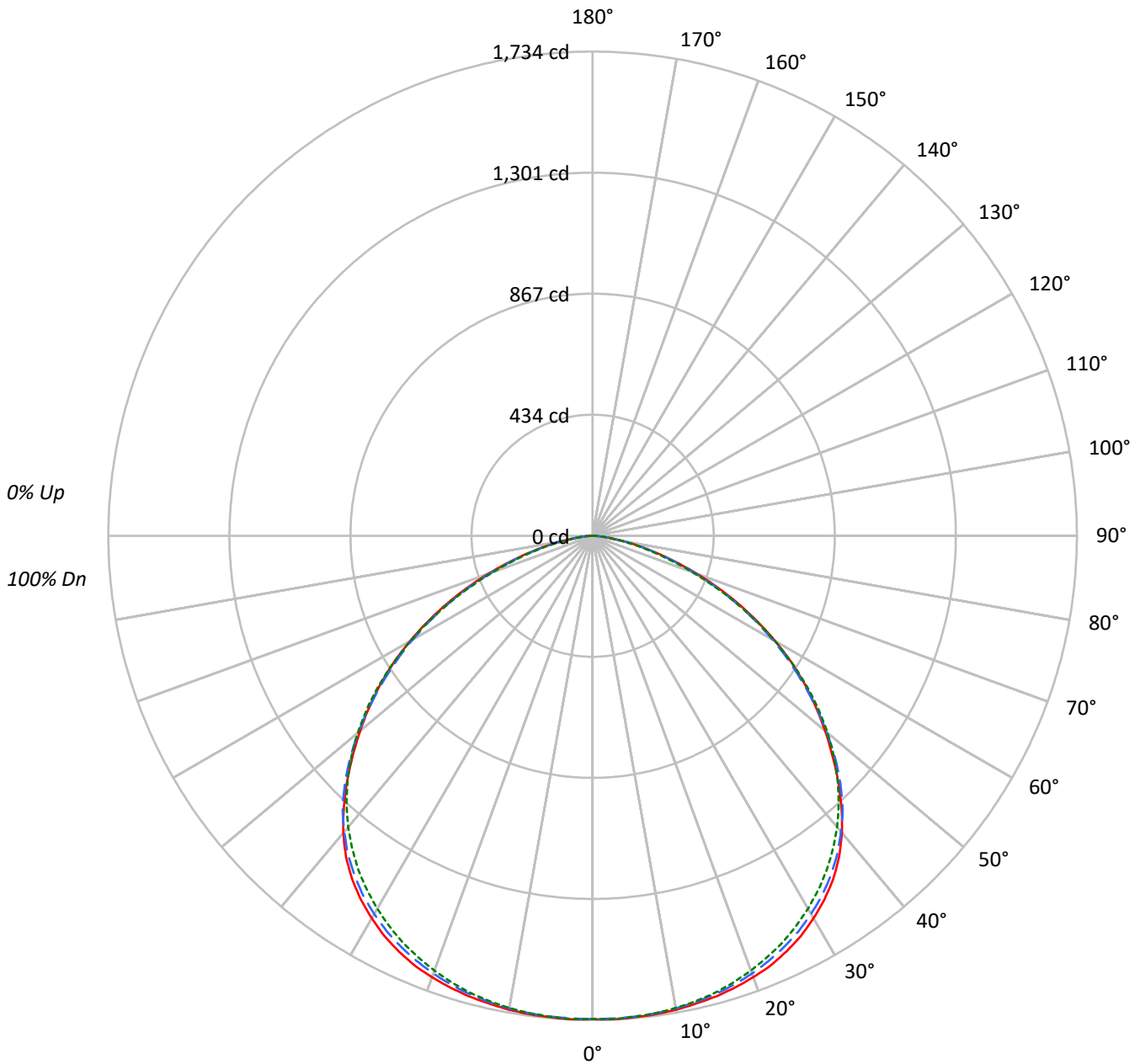
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4966.3 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.2  
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	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	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	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°	2329	2329	2329
5°	2338	2334	2335
10°	2354	2348	2346
15°	2379	2367	2360
20°	2409	2389	2372
25°	2439	2411	2386
30°	2458	2430	2396
35°	2466	2441	2401
40°	2440	2430	2391
45°	2365	2387	2361
50°	2273	2290	2298
55°	2175	2158	2191
60°	2035	2002	2027
65°	1831	1794	1793
70°	1559	1524	1488
75°	1227	1200	1151
80°	878	852	804
85°	520	513	475



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.7	3.3
10°-20°	480.5	9.7
20°-30°	749.1	15.1
30°-40°	926.9	18.7
40°-50°	960.9	19.3
50°-60°	827.3	16.7
60°-70°	561.3	11.3
70°-80°	250.5	5.0
80°-90°	45.1	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°	1394.3	28.1
0°-40°	2321.2	46.7
0°-60°	4109.5	82.7
0°-90°	4966.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4966.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1731	1731	1731	1731	1731	
5°	1731	1729	1728	1728	1729	165
15°	1708	1703	1700	1696	1694	483
25°	1643	1636	1624	1612	1608	757
35°	1501	1497	1486	1470	1462	937
45°	1243	1249	1254	1250	1241	958
55°	927	928	920	931	934	827
65°	575	577	564	558	563	569
75°	236	238	231	226	221	256
85°	34	34	33	33	31	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1731.2	1731.2	1731.2	1731.2	1731.2
2.5°	1733.6	1729.8	1730.3	1730.7	1732.6
5°	1731.2	1728.8	1728.4	1728.4	1728.8
7.5°	1728.4	1725.5	1725.1	1724.6	1724.6
10°	1723.2	1720.3	1718.4	1717.5	1717.0
12.5°	1716.0	1712.7	1710.4	1708.5	1707.0
15°	1708.0	1703.3	1699.5	1695.7	1694.2
17.5°	1696.6	1692.3	1685.7	1679.5	1677.2
20°	1682.4	1678.1	1668.6	1660.1	1656.8
22.5°	1665.8	1659.6	1647.8	1638.3	1633.6
25°	1642.6	1636.4	1624.1	1612.2	1607.5
27.5°	1615.6	1609.9	1596.6	1582.4	1576.7
30°	1581.9	1578.1	1563.9	1548.2	1542.1
32.5°	1544.4	1540.7	1528.3	1510.8	1503.7
35°	1501.3	1497.0	1486.1	1470.0	1461.5
37.5°	1450.1	1448.7	1438.3	1421.7	1413.6
40°	1389.0	1391.8	1383.7	1369.5	1361.5
42.5°	1319.3	1325.4	1325.4	1312.2	1304.1
45°	1243.0	1248.6	1254.3	1249.6	1240.6
47.5°	1164.7	1170.9	1177.5	1179.4	1171.8
50°	1086.0	1089.8	1094.1	1102.6	1097.9
52.5°	1007.8	1009.2	1007.8	1019.2	1018.3
55°	927.2	927.7	920.1	930.6	933.9
57.5°	843.3	844.8	832.4	838.1	845.2
60°	756.1	757.5	743.8	744.7	753.3
62.5°	666.0	667.9	654.2	650.9	658.5
65°	575.0	577.4	563.6	557.5	563.2
67.5°	484.5	487.3	474.5	466.9	468.4
70°	396.3	398.7	387.3	380.2	378.3
72.5°	312.4	314.8	305.8	298.6	295.3
75°	236.1	238.0	230.9	225.6	221.4
77.5°	169.7	171.1	165.4	161.6	157.4
80°	113.3	113.8	110.0	107.6	103.8
82.5°	67.8	68.3	65.9	64.9	62.1
85°	33.7	34.1	33.2	33.2	30.8
87.5°	11.9	11.4	11.9	11.9	10.4
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)