

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: P506798

Luminaire Tested: **24PD-70-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

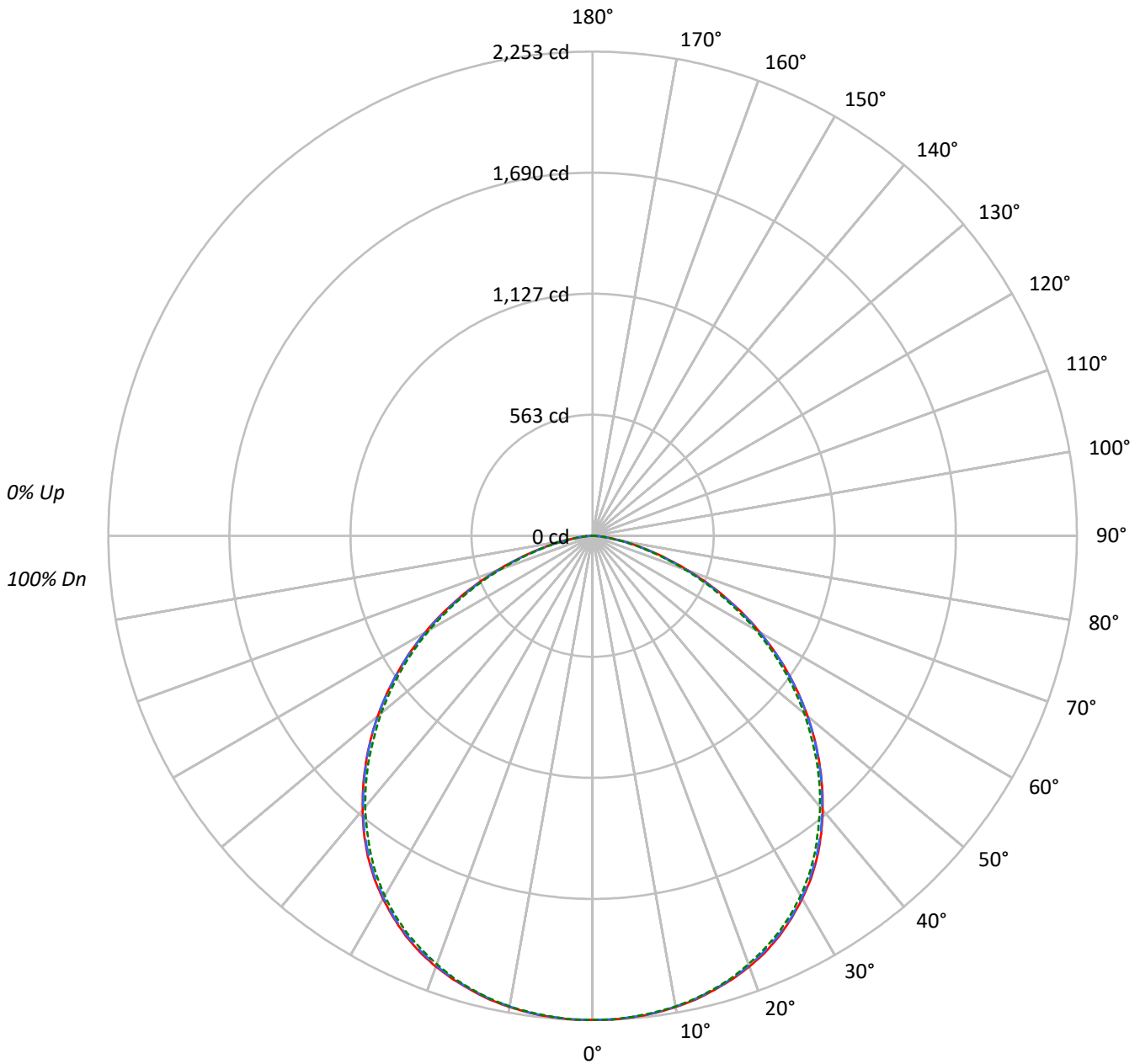
Test Method: LM-79-08  
Report Number: P506798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-70-PR1-L950  
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6064.0 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 51.5  
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	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

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

	0°	45°	90°
0°	3031	3031	3031
5°	3036	3034	3033
10°	3042	3039	3038
15°	3048	3044	3041
20°	3054	3047	3038
25°	3051	3043	3030
30°	3030	3022	3006
35°	2994	2984	2960
40°	2924	2917	2892
45°	2838	2834	2802
50°	2732	2731	2690
55°	2598	2593	2544
60°	2422	2412	2358
65°	2182	2156	2106
70°	1863	1835	1790
75°	1473	1439	1406
80°	1046	1019	987
85°	628	611	593



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.8	3.5
10°-20°	617.2	10.2
20°-30°	943.6	15.6
30°-40°	1133.1	18.7
40°-50°	1145.1	18.9
50°-60°	983.9	16.2
60°-70°	671.2	11.1
70°-80°	301.8	5.0
80°-90°	54.3	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°	1774.6	29.3
0°-40°	2907.7	48.0
0°-60°	5036.8	83.1
0°-90°	6064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6064.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2252	2252	2252	2252	2252	
5°	2248	2247	2247	2246	2246	214
15°	2188	2188	2186	2184	2183	618
25°	2055	2055	2049	2042	2041	946
35°	1822	1822	1817	1806	1802	1138
45°	1492	1496	1489	1479	1472	1150
55°	1108	1112	1105	1095	1084	988
65°	685	689	677	672	661	678
75°	283	286	277	275	270	307
85°	41	41	40	40	38	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2252.4	2252.4	2252.4	2252.4	2252.4
2.5°	2253.0	2252.4	2251.9	2250.7	2252.4
5°	2247.8	2247.2	2246.6	2245.5	2245.5
7.5°	2239.6	2238.5	2238.5	2236.7	2236.2
10°	2226.8	2226.3	2224.5	2224.5	2223.9
12.5°	2210.6	2209.4	2207.6	2207.1	2205.9
15°	2188.5	2187.9	2185.5	2183.8	2183.2
17.5°	2163.4	2161.7	2159.9	2155.9	2155.9
20°	2133.2	2132.0	2128.0	2123.9	2121.6
22.5°	2098.3	2096.0	2091.3	2087.2	2082.6
25°	2055.2	2054.7	2049.4	2042.4	2040.7
27.5°	2005.2	2006.4	2001.1	1994.2	1990.7
30°	1950.5	1952.9	1945.3	1936.6	1934.8
32.5°	1890.6	1891.2	1884.8	1875.5	1872.0
35°	1822.5	1822.5	1816.7	1805.7	1802.2
37.5°	1746.9	1746.3	1742.9	1730.1	1723.7
40°	1664.9	1667.8	1660.8	1649.2	1646.3
42.5°	1580.0	1583.5	1577.1	1567.2	1560.8
45°	1491.5	1495.6	1489.2	1478.7	1472.3
47.5°	1400.2	1403.1	1398.5	1385.1	1376.4
50°	1305.4	1311.2	1304.8	1290.8	1285.0
52.5°	1207.7	1214.1	1206.5	1196.0	1185.0
55°	1107.6	1111.7	1105.3	1095.4	1084.3
57.5°	1004.6	1012.8	1002.3	990.7	981.4
60°	899.9	906.9	896.4	886.0	876.1
62.5°	793.5	798.1	786.5	780.1	768.5
65°	685.3	688.8	677.1	672.5	661.4
67.5°	578.2	581.1	570.1	563.7	557.3
70°	473.5	475.9	466.5	460.7	454.9
72.5°	374.6	375.2	366.5	364.7	357.8
75°	283.3	285.6	276.9	275.2	270.5
77.5°	203.6	204.2	198.4	197.2	193.1
80°	135.0	135.5	131.5	130.9	127.4
82.5°	81.4	82.0	78.5	78.5	76.2
85°	40.7	41.3	39.6	39.6	38.4
87.5°	14.0	14.5	14.0	14.0	13.4
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)