

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: P506739

Luminaire Tested: **24PD-60-PR1-L850**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506739  
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-60-PR1-L850  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

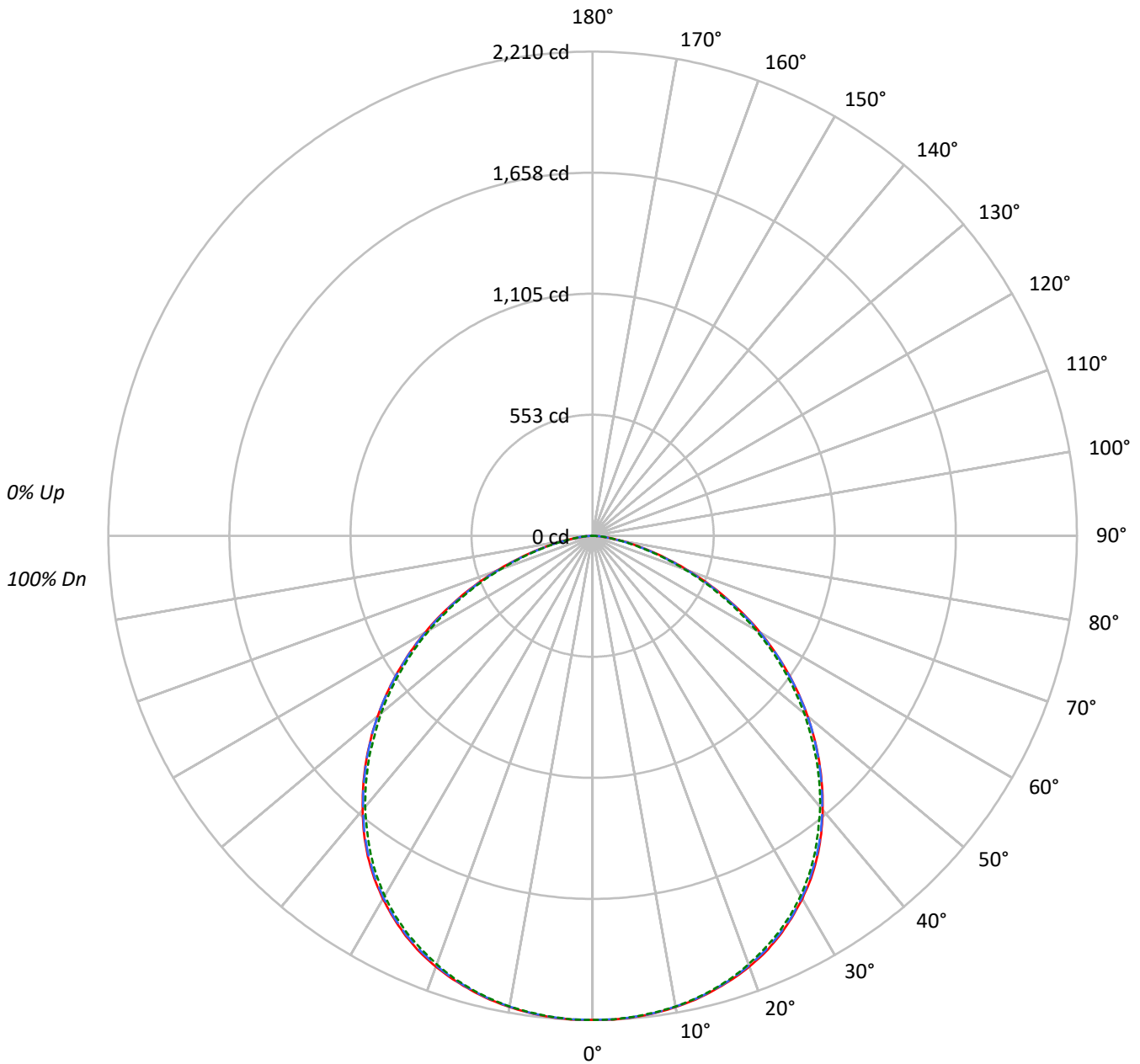
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5949.0 lumens  
Efficiency: N/A  
Efficacy: 132.5 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): 44.9  
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									
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°	2973	2973	2973
5°	2978	2977	2975
10°	2985	2982	2981
15°	2991	2987	2983
20°	2996	2989	2980
25°	2993	2985	2972
30°	2973	2965	2949
35°	2937	2927	2904
40°	2869	2862	2837
45°	2784	2780	2748
50°	2681	2680	2639
55°	2549	2544	2495
60°	2376	2366	2313
65°	2140	2115	2066
70°	1827	1801	1756
75°	1445	1412	1380
80°	1026	1000	969
85°	616	599	582



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.7	3.5
10°-20°	605.5	10.2
20°-30°	925.7	15.6
30°-40°	1111.6	18.7
40°-50°	1123.4	18.9
50°-60°	965.3	16.2
60°-70°	658.5	11.1
70°-80°	296.0	5.0
80°-90°	53.2	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°	1740.9	29.3
0°-40°	2852.6	48.0
0°-60°	4941.3	83.1
0°-90°	5949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2210	2210	2210	2210	2210	
5°	2205	2205	2204	2203	2203	210
15°	2147	2146	2144	2142	2142	606
25°	2016	2016	2011	2004	2002	929
35°	1788	1788	1782	1771	1768	1116
45°	1463	1467	1461	1451	1444	1128
55°	1087	1091	1084	1075	1064	970
65°	672	676	664	660	649	665
75°	278	280	272	270	265	301
85°	40	40	39	39	38	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2209.7	2209.7	2209.7	2209.7	2209.7
2.5°	2210.3	2209.7	2209.2	2208.0	2209.7
5°	2205.2	2204.6	2204.0	2202.9	2202.9
7.5°	2197.2	2196.0	2196.0	2194.3	2193.7
10°	2184.6	2184.0	2182.3	2182.3	2181.8
12.5°	2168.6	2167.5	2165.8	2165.2	2164.1
15°	2146.9	2146.4	2144.1	2142.4	2141.8
17.5°	2122.4	2120.7	2119.0	2115.0	2115.0
20°	2092.7	2091.6	2087.6	2083.6	2081.3
22.5°	2058.5	2056.2	2051.6	2047.6	2043.1
25°	2016.3	2015.7	2010.6	2003.7	2002.0
27.5°	1967.2	1968.3	1963.2	1956.3	1952.9
30°	1913.5	1915.8	1908.4	1899.8	1898.1
32.5°	1854.8	1855.3	1849.0	1839.9	1836.5
35°	1788.0	1788.0	1782.3	1771.4	1768.0
37.5°	1713.8	1713.2	1709.8	1697.2	1691.0
40°	1633.3	1636.2	1629.3	1617.9	1615.1
42.5°	1550.0	1553.4	1547.2	1537.4	1531.2
45°	1463.3	1467.3	1461.0	1450.7	1444.4
47.5°	1373.7	1376.5	1371.9	1358.8	1350.3
50°	1280.6	1286.3	1280.1	1266.4	1260.7
52.5°	1184.8	1191.0	1183.6	1173.3	1162.5
55°	1086.6	1090.6	1084.3	1074.6	1063.8
57.5°	985.6	993.6	983.3	971.9	962.8
60°	882.9	889.7	879.4	869.2	859.5
62.5°	778.4	783.0	771.6	765.3	753.9
65°	672.3	675.7	664.3	659.7	648.9
67.5°	567.3	570.1	559.3	553.0	546.7
70°	464.5	466.8	457.7	452.0	446.3
72.5°	367.5	368.1	359.5	357.8	351.0
75°	277.9	280.2	271.7	269.9	265.4
77.5°	199.7	200.3	194.6	193.5	189.5
80°	132.4	133.0	129.0	128.4	125.0
82.5°	79.9	80.5	77.0	77.0	74.8
85°	39.9	40.5	38.8	38.8	37.7
87.5°	13.7	14.3	13.7	13.7	13.1
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)