

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: P506091

Luminaire Tested: **14PD-70-PR1-L850**

Issue Date: 3/26/2021



**Test Information**

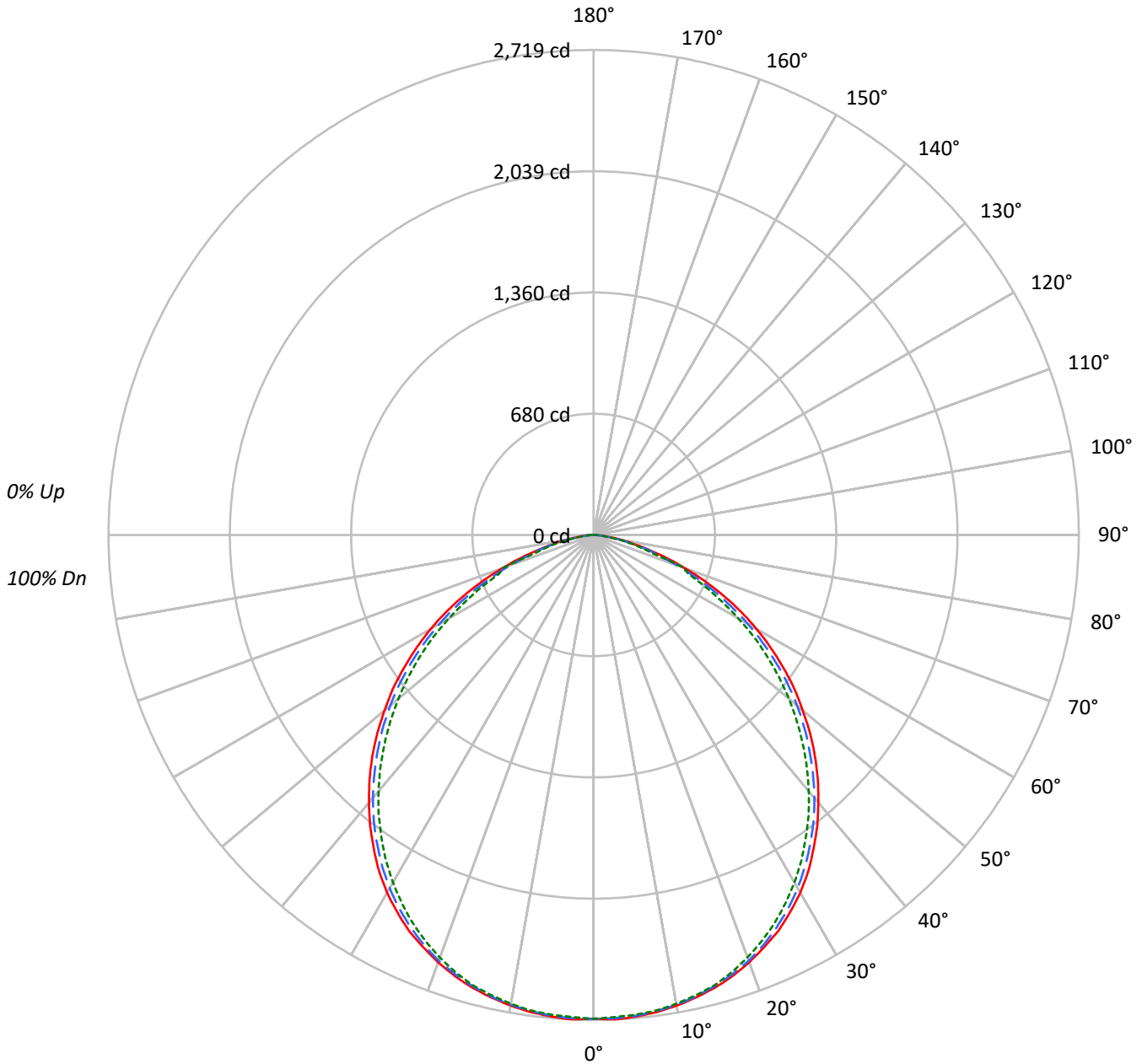
Test Method: LM-79-08  
Report Number: P506091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-70-PR1-L850  
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6980.0 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 71.2  
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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	7298	7298	7298
5°	7323	7312	7294
10°	7323	7308	7294
15°	7320	7298	7283
20°	7302	7275	7221
25°	7271	7207	7128
30°	7196	7104	6992
35°	7056	6951	6809
40°	6880	6762	6588
45°	6677	6513	6309
50°	6400	6231	5978
55°	6088	5849	5571
60°	5668	5372	5039
65°	5089	4730	4422
70°	4281	3900	4217
75°	3296	3170	2849
80°	2373	2123	2019
85°	1451	1244	1121



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.1	3.7
10°-20°	738.6	10.6
20°-30°	1115.6	16.0
30°-40°	1319.9	18.9
40°-50°	1316.0	18.9
50°-60°	1111.8	15.9
60°-70°	740.8	10.6
70°-80°	321.8	4.6
80°-90°	58.4	0.8
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°	2111.3	30.2
0°-40°	3431.2	49.2
0°-60°	5859.0	83.9
0°-90°	6980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6980.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2712	2712	2712	2712	2712	
5°	2711	2700	2707	2704	2700	258
15°	2628	2616	2620	2616	2614	742
25°	2449	2433	2427	2406	2401	1127
35°	2148	2133	2116	2088	2073	1343
45°	1754	1738	1711	1675	1658	1351
55°	1298	1288	1247	1206	1188	1159
65°	799	790	743	711	694	790
75°	317	310	305	294	274	346
85°	47	48	40	38	36	64
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2712.2	2712.2	2712.2	2712.2	2712.2
2.5°	2719.0	2706.9	2712.2	2712.2	2705.5
5°	2710.9	2700.1	2706.9	2704.2	2700.1
7.5°	2698.8	2688.1	2692.1	2690.7	2689.4
10°	2680.0	2669.3	2674.6	2671.9	2669.3
12.5°	2655.8	2645.1	2650.4	2646.4	2643.7
15°	2627.6	2615.5	2619.5	2615.5	2614.2
17.5°	2592.7	2580.6	2581.9	2576.6	2571.2
20°	2549.7	2538.9	2540.3	2526.9	2521.5
22.5°	2500.0	2489.2	2487.9	2470.4	2463.7
25°	2448.9	2432.8	2427.4	2406.0	2400.6
27.5°	2384.5	2369.7	2361.6	2338.8	2328.0
30°	2315.9	2299.8	2286.4	2260.9	2250.1
32.5°	2238.0	2221.9	2204.4	2177.6	2165.5
35°	2148.0	2133.3	2115.8	2087.6	2072.8
37.5°	2058.0	2041.9	2024.4	1990.9	1978.8
40°	1958.6	1943.8	1925.0	1888.8	1875.3
42.5°	1859.2	1841.7	1818.9	1784.0	1769.2
45°	1754.4	1738.3	1711.4	1675.2	1657.7
47.5°	1644.3	1630.8	1602.6	1563.7	1544.9
50°	1528.7	1518.0	1488.4	1445.5	1428.0
52.5°	1418.6	1403.8	1370.2	1327.2	1308.4
55°	1297.7	1288.3	1246.6	1206.3	1187.5
57.5°	1176.8	1164.7	1123.0	1082.7	1065.3
60°	1053.2	1042.4	998.1	957.8	936.3
62.5°	928.3	916.2	869.2	832.9	812.7
65°	799.3	789.9	742.9	710.6	694.5
67.5°	670.3	663.6	613.9	587.0	575.0
70°	544.1	534.7	495.7	485.0	536.0
72.5°	427.2	415.1	381.5	364.0	350.6
75°	317.0	310.3	304.9	294.2	274.0
77.5°	223.0	221.7	202.8	188.1	202.8
80°	153.1	158.5	137.0	124.9	130.3
82.5°	94.0	104.8	81.9	72.5	69.9
85°	47.0	48.4	40.3	37.6	36.3
87.5°	17.5	20.2	17.5	14.8	14.8
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)