

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: P506090

Luminaire Tested: **14PD-70-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506090
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-L840
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

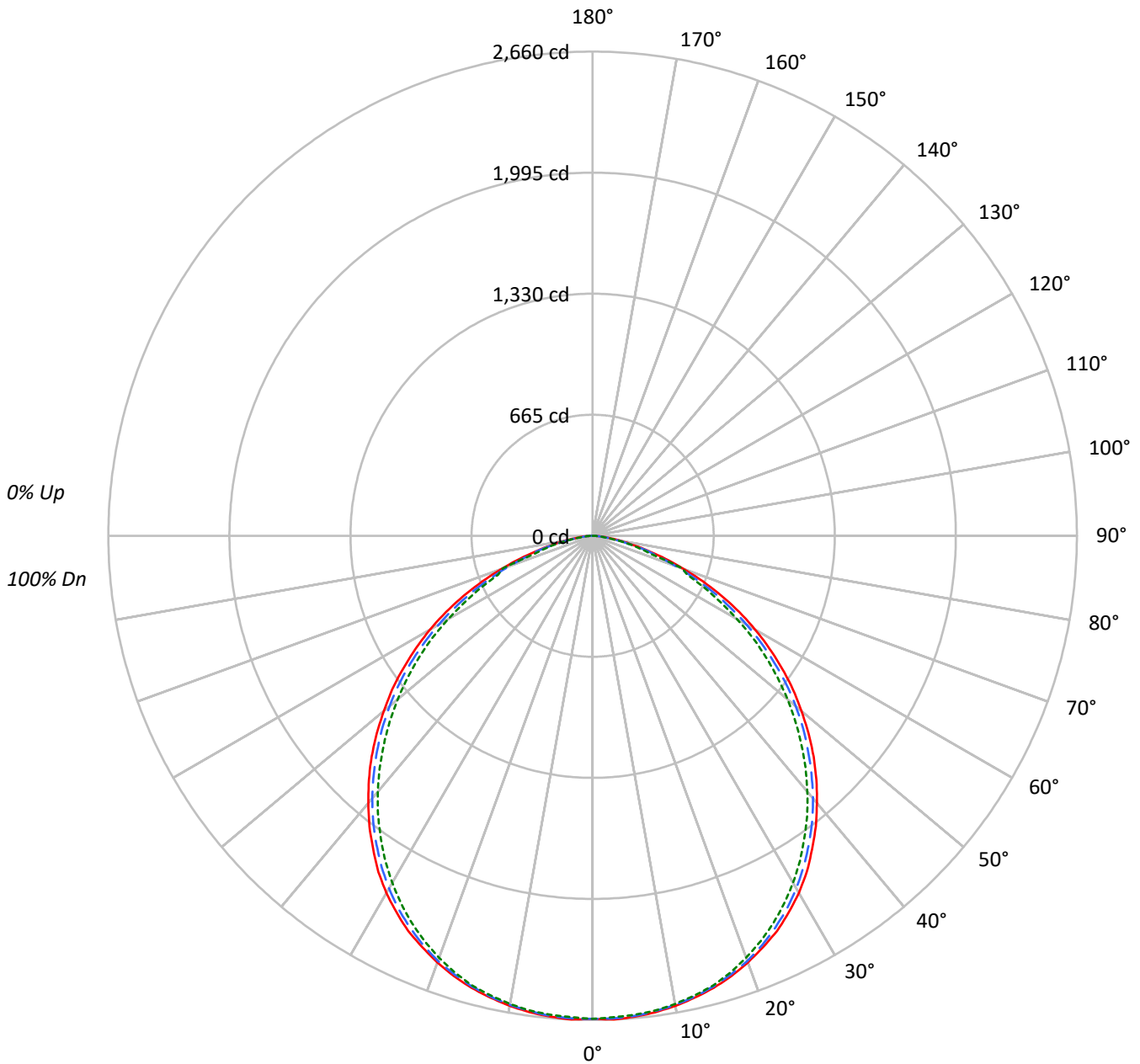
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6829.0 lumens
Efficiency: N/A
Efficacy: 95.9 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_{in}): 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°	7141	7141	7141
5°	7164	7154	7136
10°	7165	7150	7136
15°	7162	7140	7125
20°	7143	7117	7064
25°	7114	7051	6973
30°	7040	6951	6840
35°	6904	6800	6662
40°	6731	6616	6445
45°	6532	6372	6172
50°	6262	6096	5849
55°	5956	5722	5451
60°	5546	5255	4930
65°	4979	4628	4327
70°	4188	3816	4126
75°	3225	3101	2787
80°	2321	2078	1976
85°	1420	1216	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	3.7
10°-20°	722.6	10.6
20°-30°	1091.5	16.0
30°-40°	1291.3	18.9
40°-50°	1287.6	18.9
50°-60°	1087.7	15.9
60°-70°	724.7	10.6
70°-80°	314.9	4.6
80°-90°	57.1	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°	2065.7	30.2
0°-40°	3357.0	49.2
0°-60°	5732.3	83.9
0°-90°	6829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2654	2654	2654	2654	2654	
5°	2652	2642	2648	2646	2642	252
15°	2571	2559	2563	2559	2558	726
25°	2396	2380	2375	2354	2349	1103
35°	2102	2087	2070	2042	2028	1314
45°	1716	1701	1674	1639	1622	1322
55°	1270	1260	1220	1180	1162	1134
65°	782	773	727	695	680	773
75°	310	304	298	288	268	339
85°	46	47	39	37	36	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2653.6	2653.6	2653.6	2653.6	2653.6
2.5°	2660.1	2648.3	2653.6	2653.6	2647.0
5°	2652.2	2641.7	2648.3	2645.7	2641.7
7.5°	2640.4	2629.9	2633.8	2632.5	2631.2
10°	2622.0	2611.5	2616.8	2614.1	2611.5
12.5°	2598.4	2587.8	2593.1	2589.2	2586.5
15°	2570.8	2558.9	2562.9	2558.9	2557.6
17.5°	2536.6	2524.8	2526.1	2520.8	2515.6
20°	2494.5	2484.0	2485.3	2472.2	2466.9
22.5°	2445.9	2435.4	2434.1	2417.0	2410.4
25°	2396.0	2380.2	2374.9	2353.9	2348.6
27.5°	2332.9	2318.4	2310.5	2288.2	2277.7
30°	2265.8	2250.1	2236.9	2212.0	2201.4
32.5°	2189.6	2173.8	2156.8	2130.5	2118.6
35°	2101.6	2087.1	2070.0	2042.4	2028.0
37.5°	2013.5	1997.7	1980.6	1947.8	1936.0
40°	1916.2	1901.8	1883.4	1847.9	1834.8
42.5°	1819.0	1801.9	1779.6	1745.4	1730.9
45°	1716.5	1700.7	1674.4	1638.9	1621.8
47.5°	1608.7	1595.6	1568.0	1529.8	1511.4
50°	1495.7	1485.2	1456.2	1414.2	1397.1
52.5°	1387.9	1373.4	1340.6	1298.5	1280.1
55°	1269.6	1260.4	1219.7	1180.2	1161.8
57.5°	1151.3	1139.5	1098.8	1059.3	1042.2
60°	1030.4	1019.9	976.5	937.1	916.1
62.5°	908.2	896.4	850.3	814.9	795.1
65°	782.0	772.8	726.8	695.3	679.5
67.5°	655.8	649.3	600.6	574.3	562.5
70°	532.3	523.1	485.0	474.5	524.4
72.5°	417.9	406.1	373.3	356.2	343.0
75°	310.2	303.6	298.3	287.8	268.1
77.5°	218.2	216.9	198.5	184.0	198.5
80°	149.8	155.1	134.1	122.2	127.5
82.5°	92.0	102.5	80.2	71.0	68.3
85°	46.0	47.3	39.4	36.8	35.5
87.5°	17.1	19.7	17.1	14.5	14.5
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)