

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: P506088

Luminaire Tested: **14PD-70-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506088
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-L830
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

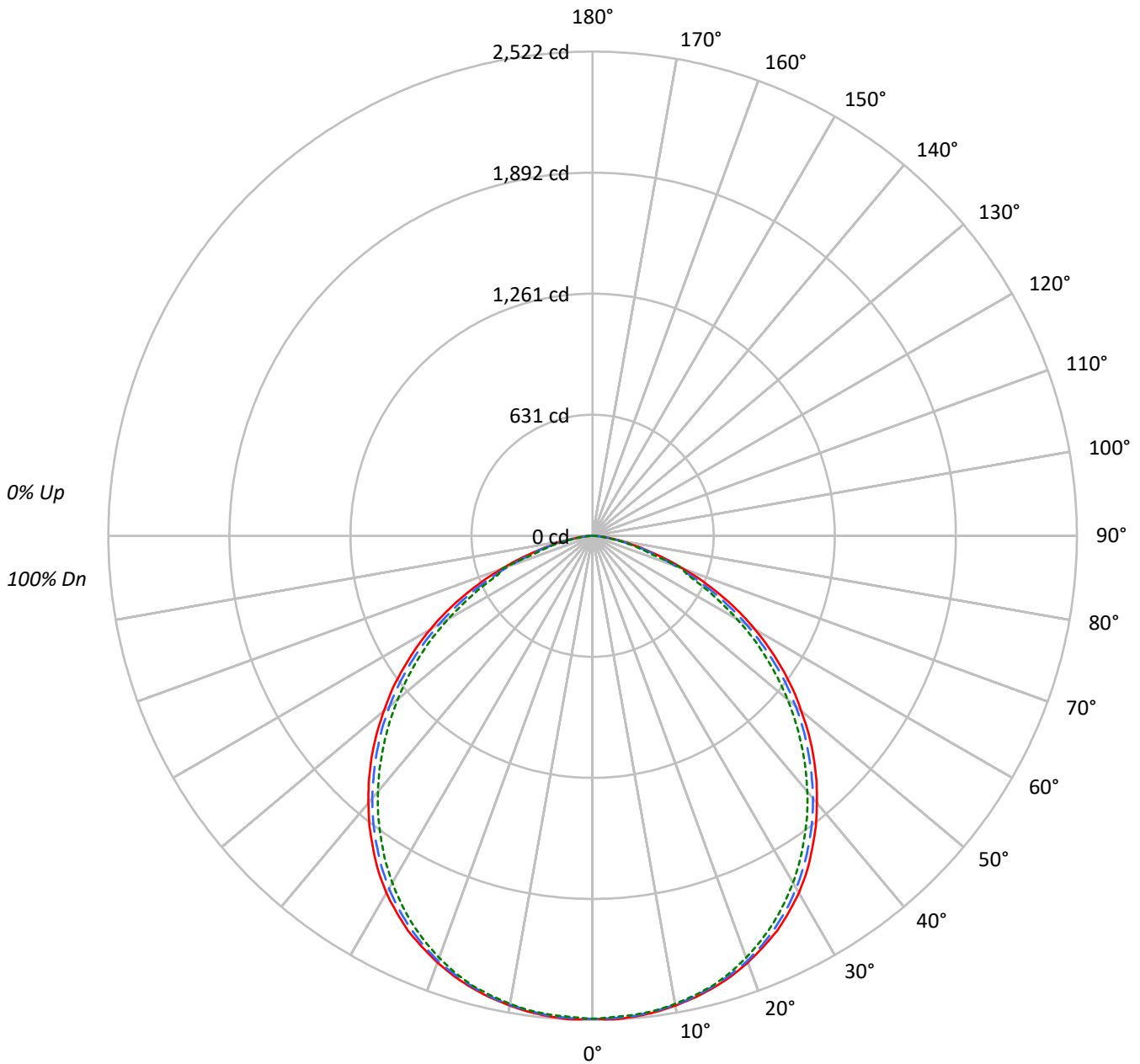
Lumens per Lamp: N/A
Luminaire Lumens: 6474.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6769	6769	6769
5°	6792	6782	6765
10°	6792	6778	6765
15°	6790	6769	6755
20°	6772	6747	6697
25°	6744	6685	6611
30°	6675	6589	6485
35°	6545	6447	6316
40°	6381	6272	6110
45°	6193	6041	5851
50°	5936	5779	5545
55°	5647	5425	5167
60°	5257	4983	4674
65°	4721	4387	4102
70°	3970	3618	3911
75°	3057	2940	2643
80°	2201	1970	1874
85°	1346	1155	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	3.7
10°-20°	685.0	10.6
20°-30°	1034.8	16.0
30°-40°	1224.2	18.9
40°-50°	1220.6	18.9
50°-60°	1031.2	15.9
60°-70°	687.1	10.6
70°-80°	298.5	4.6
80°-90°	54.1	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°	1958.3	30.2
0°-40°	3182.5	49.2
0°-60°	5434.3	83.9
0°-90°	6474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2516	2516	2516	2516	2516	
5°	2514	2504	2511	2508	2504	239
15°	2437	2426	2430	2426	2425	688
25°	2271	2256	2252	2232	2227	1045
35°	1992	1979	1962	1936	1922	1246
45°	1627	1612	1587	1554	1538	1253
55°	1204	1195	1156	1119	1101	1075
65°	741	733	689	659	644	733
75°	294	288	283	273	254	321
85°	44	45	37	35	34	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2515.6	2515.6	2515.6	2515.6	2515.6
2.5°	2521.9	2510.6	2515.6	2515.6	2509.4
5°	2514.4	2504.4	2510.6	2508.1	2504.4
7.5°	2503.2	2493.2	2496.9	2495.7	2494.4
10°	2485.7	2475.7	2480.7	2478.2	2475.7
12.5°	2463.3	2453.3	2458.3	2454.6	2452.1
15°	2437.1	2425.9	2429.6	2425.9	2424.7
17.5°	2404.7	2393.5	2394.8	2389.8	2384.8
20°	2364.9	2354.9	2356.1	2343.7	2338.7
22.5°	2318.8	2308.8	2307.5	2291.3	2285.1
25°	2271.4	2256.5	2251.5	2231.5	2226.6
27.5°	2211.6	2197.9	2190.4	2169.2	2159.3
30°	2148.1	2133.1	2120.6	2097.0	2087.0
32.5°	2075.8	2060.8	2044.6	2019.7	2008.5
35°	1992.3	1978.6	1962.4	1936.2	1922.5
37.5°	1908.8	1893.9	1877.7	1846.5	1835.3
40°	1816.6	1802.9	1785.5	1751.8	1739.4
42.5°	1724.4	1708.2	1687.0	1654.7	1640.9
45°	1627.2	1612.3	1587.4	1553.7	1537.5
47.5°	1525.1	1512.6	1486.4	1450.3	1432.9
50°	1417.9	1408.0	1380.5	1340.7	1324.5
52.5°	1315.7	1302.0	1270.9	1231.0	1213.6
55°	1203.6	1194.9	1156.3	1118.9	1101.4
57.5°	1091.5	1080.3	1041.6	1004.3	988.1
60°	976.8	966.9	925.8	888.4	868.4
62.5°	861.0	849.8	806.1	772.5	753.8
65°	741.4	732.6	689.0	659.1	644.2
67.5°	621.7	615.5	569.4	544.5	533.3
70°	504.6	495.9	459.8	449.8	497.1
72.5°	396.2	385.0	353.9	337.7	325.2
75°	294.0	287.8	282.8	272.9	254.2
77.5°	206.8	205.6	188.1	174.4	188.1
80°	142.0	147.0	127.1	115.9	120.9
82.5°	87.2	97.2	76.0	67.3	64.8
85°	43.6	44.9	37.4	34.9	33.6
87.5°	16.2	18.7	16.2	13.7	13.7
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)