

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: P506081

Luminaire Tested: **14PD-70-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PL1-L840
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

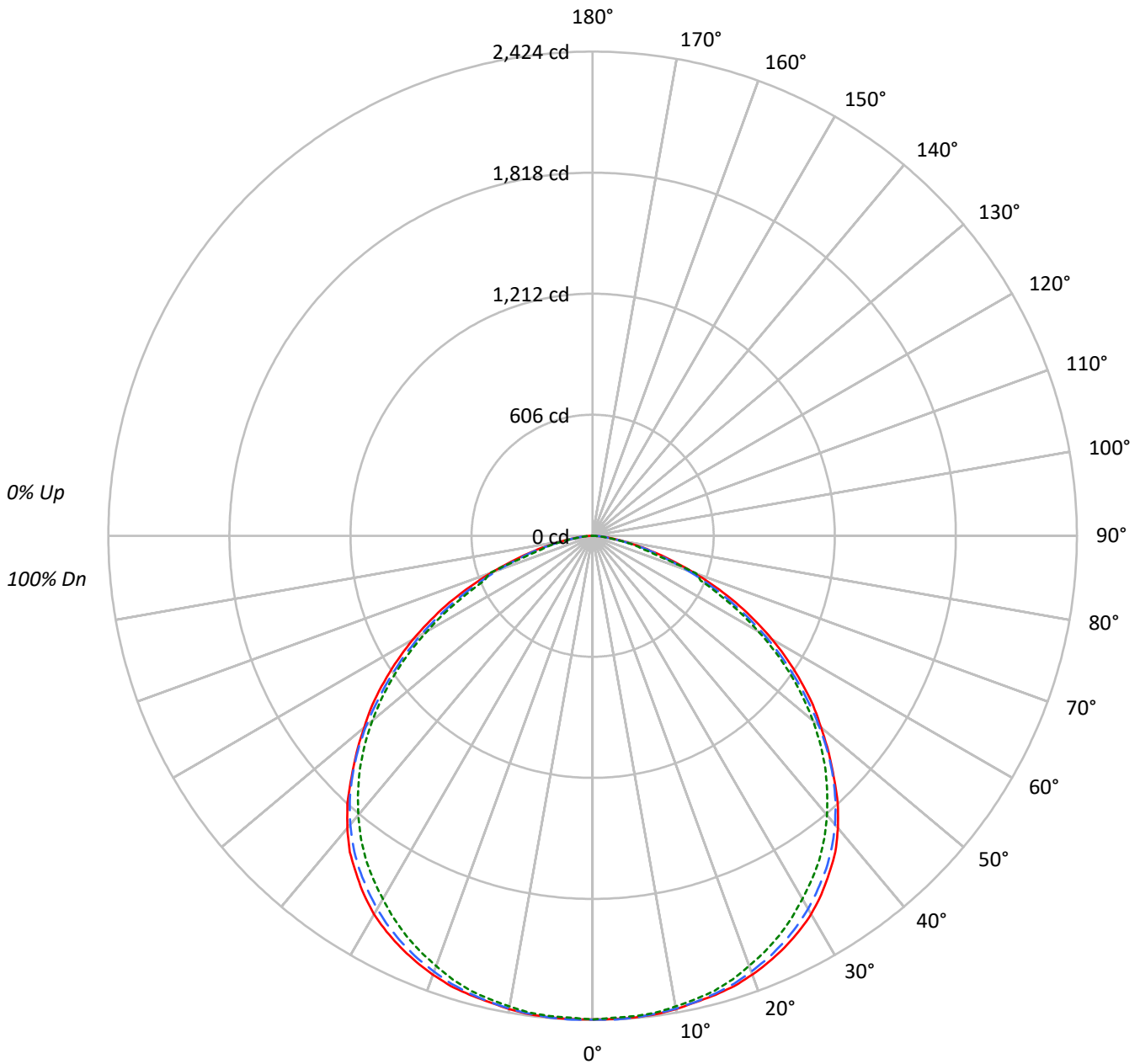
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6730.9 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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	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	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6517	6517	6517
5°	6538	6542	6520
10°	6574	6566	6537
15°	6628	6610	6569
20°	6695	6649	6562
25°	6752	6685	6559
30°	6798	6703	6525
35°	6780	6693	6501
40°	6709	6629	6409
45°	6494	6473	6266
50°	6247	6191	6024
55°	5978	5803	5672
60°	5583	5332	5153
65°	5030	4717	4463
70°	4206	3945	4332
75°	3319	3194	2766
80°	2391	2123	2163
85°	1519	1272	1192



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.3	3.4
10°-20°	669.3	9.9
20°-30°	1034.8	15.4
30°-40°	1266.5	18.8
40°-50°	1298.4	19.3
50°-60°	1105.8	16.4
60°-70°	739.0	11.0
70°-80°	327.5	4.9
80°-90°	59.2	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°	1934.4	28.7
0°-40°	3200.9	47.6
0°-60°	5605.1	83.3
0°-90°	6730.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6730.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2422	2422	2422	2422	2422	
5°	2420	2415	2422	2420	2414	231
15°	2379	2371	2373	2366	2358	673
25°	2274	2266	2252	2222	2209	1049
35°	2064	2059	2037	1992	1979	1291
45°	1706	1712	1701	1662	1646	1317
55°	1274	1267	1237	1212	1209	1137
65°	790	783	741	708	701	779
75°	319	323	307	308	266	346
85°	49	48	41	40	39	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2421.8	2421.8	2421.8	2421.8	2421.8
2.5°	2421.8	2417.8	2424.4	2427.1	2415.1
5°	2420.4	2415.1	2421.8	2420.4	2413.8
7.5°	2416.4	2407.1	2413.8	2411.1	2408.5
10°	2405.8	2397.8	2403.1	2399.2	2392.5
12.5°	2391.2	2385.9	2389.8	2385.9	2376.5
15°	2379.2	2371.2	2372.6	2365.9	2357.9
17.5°	2363.3	2351.3	2351.3	2338.0	2328.7
20°	2338.0	2327.3	2322.0	2303.4	2291.4
22.5°	2308.7	2300.7	2290.1	2266.2	2252.9
25°	2274.1	2266.2	2251.5	2222.3	2209.0
27.5°	2234.2	2223.6	2207.7	2173.1	2157.1
30°	2187.7	2174.4	2157.1	2118.5	2099.9
32.5°	2130.5	2121.2	2098.6	2058.7	2041.4
35°	2064.0	2058.7	2037.4	1992.2	1978.9
37.5°	1996.2	1985.6	1966.9	1919.1	1905.8
40°	1909.8	1903.1	1887.1	1840.6	1824.6
42.5°	1816.7	1812.7	1799.4	1755.5	1738.2
45°	1706.3	1711.6	1701.0	1662.4	1646.4
47.5°	1601.2	1598.6	1594.6	1560.0	1546.7
50°	1492.2	1486.8	1478.9	1450.9	1439.0
52.5°	1389.8	1379.1	1357.8	1333.9	1325.9
55°	1274.1	1267.4	1236.8	1211.5	1208.9
57.5°	1157.0	1153.0	1115.8	1086.5	1086.5
60°	1037.3	1032.0	990.8	960.2	957.5
62.5°	912.3	908.3	865.8	831.2	832.5
65°	790.0	783.3	740.8	707.5	700.9
67.5°	662.3	659.6	618.4	587.8	585.2
70°	534.6	534.6	501.4	474.8	550.6
72.5°	421.6	417.6	391.0	379.0	361.7
75°	319.2	323.2	307.2	308.5	266.0
77.5°	227.4	220.8	214.1	199.5	211.5
80°	154.3	150.3	137.0	133.0	139.6
82.5°	95.8	97.1	85.1	77.1	75.8
85°	49.2	47.9	41.2	39.9	38.6
87.5°	18.6	19.9	17.3	16.0	14.6
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)