

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: P506099

Luminaire Tested: **14PD-70-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PW1-L840
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

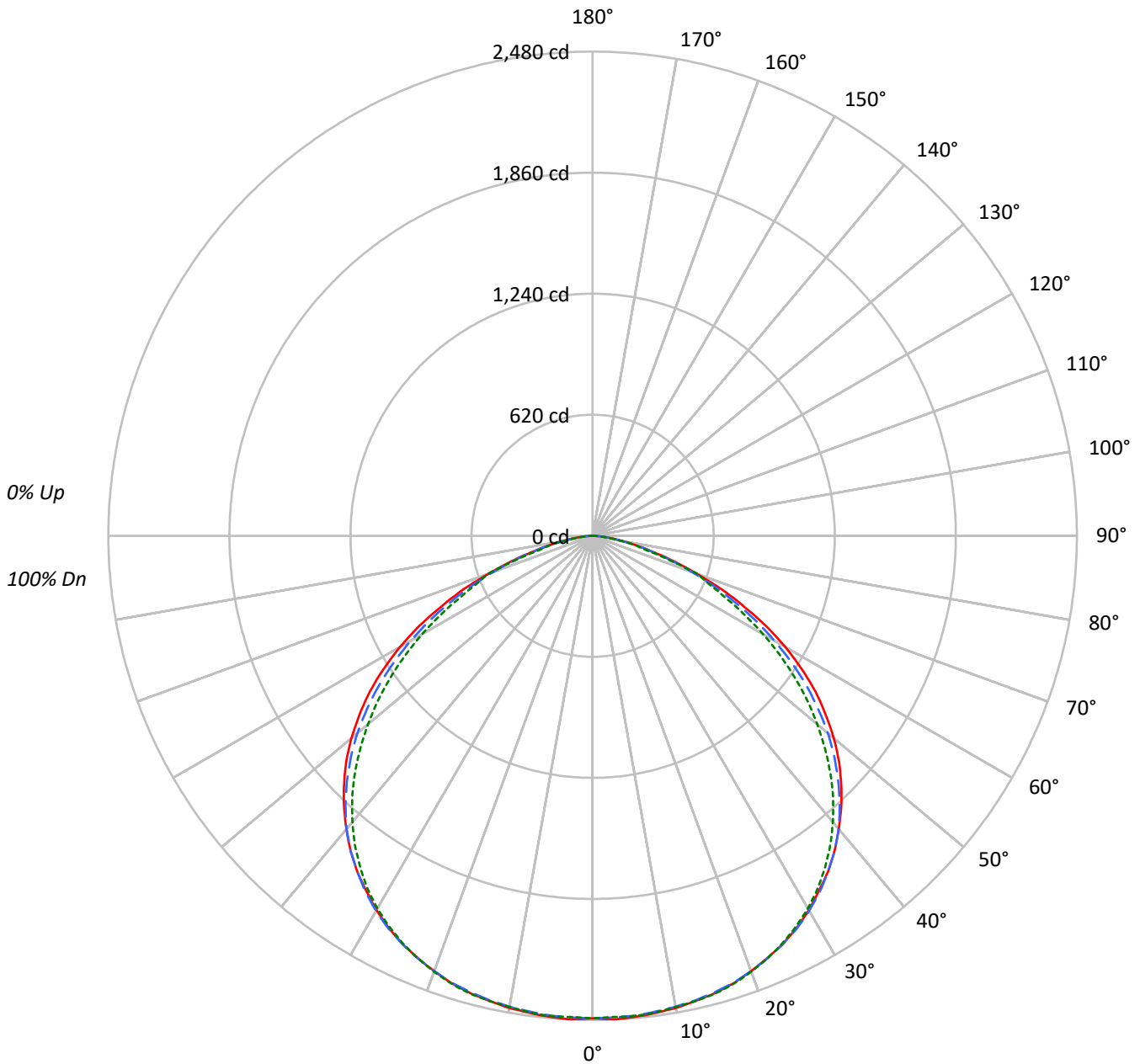
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7037.8 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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

TEST NUMBER: P506099
CATALOG NUMBER: 14PD-70-PW1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P506099

CATALOG NUMBER: 14PD-70-PW1-L840

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	97	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	77	83	79	76	80	77	74	72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6650	6650	6650
5°	6683	6664	6672
10°	6710	6691	6695
15°	6756	6741	6764
20°	6797	6793	6805
25°	6848	6848	6835
30°	6880	6893	6850
35°	6902	6902	6815
40°	6890	6885	6723
45°	6852	6773	6555
50°	6749	6585	6287
55°	6541	6266	5925
60°	6127	5789	5428
65°	5426	5114	4776
70°	4430	4231	4463
75°	3341	3282	2949
80°	2404	2252	2252
85°	1510	1423	1250



TEST NUMBER: P506099

CATALOG NUMBER: 14PD-70-PW1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	3.3
10°-20°	684.0	9.7
20°-30°	1061.9	15.1
30°-40°	1307.9	18.6
40°-50°	1361.7	19.3
50°-60°	1184.2	16.8
60°-70°	795.5	11.3
70°-80°	344.4	4.9
80°-90°	63.2	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°	1980.9	28.1
0°-40°	3288.9	46.7
0°-60°	5834.7	82.9
0°-90°	7037.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7037.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2471	2471	2471	2471	2471	
5°	2474	2459	2467	2473	2470	236
15°	2425	2408	2420	2428	2428	685
25°	2306	2295	2306	2306	2302	1063
35°	2101	2095	2101	2083	2074	1313
45°	1801	1795	1780	1739	1722	1387
55°	1394	1369	1336	1282	1263	1239
65°	852	837	803	766	750	844
75°	321	324	316	323	284	354
85°	49	50	46	40	40	65
90°	0	0	0	0	0	



TEST NUMBER: P506099

CATALOG NUMBER: 14PD-70-PW1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2471.2	2471.2	2471.2	2471.2	2471.2
2.5°	2479.5	2464.2	2469.8	2478.1	2467.0
5°	2474.0	2458.6	2467.0	2472.6	2469.8
7.5°	2465.6	2454.4	2458.6	2464.2	2462.8
10°	2455.8	2444.6	2448.8	2454.4	2450.2
12.5°	2440.4	2427.9	2436.2	2441.8	2440.4
15°	2425.1	2408.3	2419.5	2427.9	2427.9
17.5°	2402.7	2388.7	2399.9	2406.9	2405.5
20°	2373.4	2363.6	2372.0	2377.6	2376.2
22.5°	2339.9	2332.9	2342.6	2342.6	2342.6
25°	2306.3	2295.2	2306.3	2306.3	2302.1
27.5°	2263.0	2253.2	2267.2	2263.0	2256.0
30°	2214.1	2208.5	2218.3	2211.3	2204.4
32.5°	2156.9	2154.1	2163.8	2149.9	2144.3
35°	2101.0	2095.4	2101.0	2082.8	2074.4
37.5°	2035.3	2029.7	2035.3	2011.6	1999.0
40°	1961.3	1957.1	1959.9	1929.2	1913.8
42.5°	1884.5	1880.3	1873.3	1835.6	1823.0
45°	1800.6	1795.1	1779.7	1739.2	1722.4
47.5°	1711.2	1701.5	1679.1	1635.8	1613.5
50°	1612.1	1598.1	1572.9	1525.4	1501.7
52.5°	1504.5	1487.7	1455.6	1408.1	1385.8
55°	1394.1	1369.0	1335.5	1282.4	1262.8
57.5°	1268.4	1241.9	1206.9	1158.1	1135.7
60°	1138.5	1112.0	1075.6	1030.9	1008.6
62.5°	1000.2	976.5	940.1	898.2	878.7
65°	852.1	836.8	803.2	765.5	750.1
67.5°	712.4	697.1	669.1	637.0	642.6
70°	563.0	561.6	537.8	515.5	567.2
72.5°	438.6	435.8	423.3	412.1	409.3
75°	321.3	324.1	315.7	322.7	283.6
77.5°	226.3	229.1	227.7	208.1	217.9
80°	155.1	155.1	145.3	138.3	145.3
82.5°	93.6	111.8	100.6	82.4	79.6
85°	48.9	50.3	46.1	40.5	40.5
87.5°	18.2	21.0	18.2	16.8	15.4
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)