

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: P506100

Luminaire Tested: **14PD-70-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506100
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-L850
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

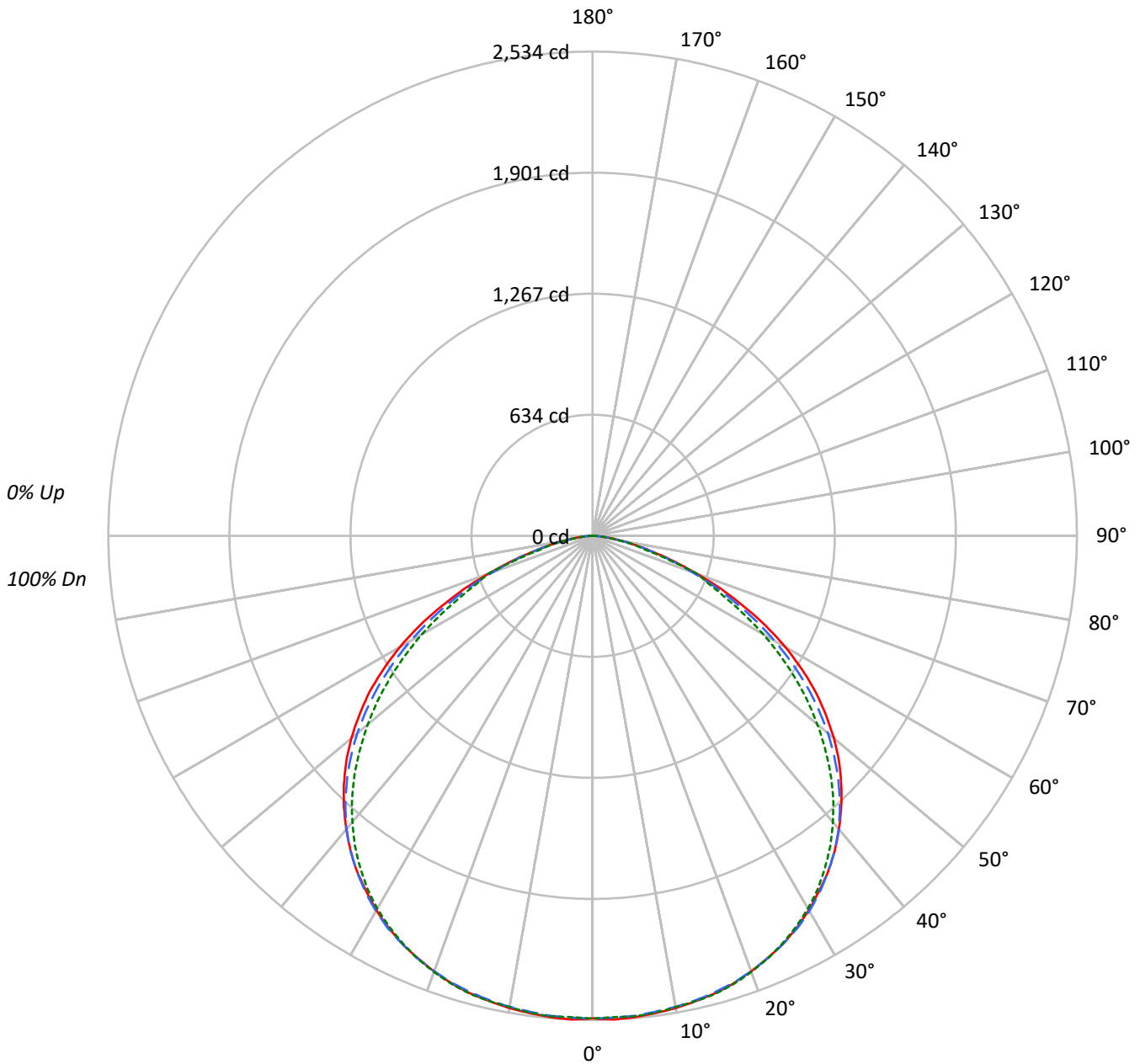
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7193.6 lumens
Efficiency: N/A
Efficacy: 101.0 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

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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	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°	6797	6797	6797
5°	6831	6811	6819
10°	6859	6839	6843
15°	6905	6890	6914
20°	6947	6943	6955
25°	7000	7000	6987
30°	7032	7045	7001
35°	7055	7055	6966
40°	7042	7037	6871
45°	7004	6923	6700
50°	6898	6731	6426
55°	6685	6404	6056
60°	6263	5917	5548
65°	5546	5228	4883
70°	4527	4325	4561
75°	3414	3355	3014
80°	2456	2301	2301
85°	1544	1454	1278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.2	3.3
10°-20°	699.2	9.7
20°-30°	1085.4	15.1
30°-40°	1336.9	18.6
40°-50°	1391.8	19.3
50°-60°	1210.4	16.8
60°-70°	813.2	11.3
70°-80°	352.0	4.9
80°-90°	64.6	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°	2024.8	28.1
0°-40°	3361.7	46.7
0°-60°	5963.8	82.9
0°-90°	7193.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7193.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2526	2526	2526	2526	2526	
5°	2529	2513	2522	2527	2524	241
15°	2479	2462	2473	2482	2482	700
25°	2357	2346	2357	2357	2353	1086
35°	2148	2142	2148	2129	2120	1342
45°	1840	1835	1819	1778	1760	1418
55°	1425	1399	1365	1311	1291	1266
65°	871	855	821	782	767	863
75°	328	331	323	330	290	362
85°	50	51	47	41	41	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2525.9	2525.9	2525.9	2525.9	2525.9
2.5°	2534.4	2518.7	2524.4	2533.0	2521.6
5°	2528.7	2513.0	2521.6	2527.3	2524.4
7.5°	2520.1	2508.7	2513.0	2518.7	2517.3
10°	2510.2	2498.7	2503.0	2508.7	2504.4
12.5°	2494.4	2481.6	2490.2	2495.9	2494.4
15°	2478.7	2461.6	2473.0	2481.6	2481.6
17.5°	2455.9	2441.6	2453.0	2460.2	2458.7
20°	2425.9	2415.9	2424.5	2430.2	2428.8
22.5°	2391.6	2384.5	2394.5	2394.5	2394.5
25°	2357.4	2345.9	2357.4	2357.4	2353.1
27.5°	2313.1	2303.1	2317.4	2313.1	2306.0
30°	2263.1	2257.4	2267.4	2260.3	2253.1
32.5°	2204.6	2201.7	2211.7	2197.5	2191.7
35°	2147.5	2141.8	2147.5	2128.9	2120.4
37.5°	2080.4	2074.7	2080.4	2056.1	2043.2
40°	2004.7	2000.4	2003.3	1971.9	1956.1
42.5°	1926.2	1921.9	1914.7	1876.2	1863.3
45°	1840.5	1834.8	1819.1	1777.7	1760.5
47.5°	1749.1	1739.1	1716.3	1672.0	1649.2
50°	1647.7	1633.5	1607.8	1559.2	1534.9
52.5°	1537.8	1520.7	1487.8	1439.3	1416.4
55°	1425.0	1399.3	1365.0	1310.8	1290.8
57.5°	1296.5	1269.4	1233.7	1183.7	1160.8
60°	1163.7	1136.6	1099.4	1053.7	1030.9
62.5°	1022.3	998.1	960.9	918.1	898.1
65°	871.0	855.3	821.0	782.5	766.8
67.5°	728.2	712.5	683.9	651.1	656.8
70°	575.4	574.0	549.7	526.9	579.7
72.5°	448.3	445.5	432.6	421.2	418.4
75°	328.4	331.3	322.7	329.8	289.9
77.5°	231.3	234.2	232.7	212.7	222.7
80°	158.5	158.5	148.5	141.4	148.5
82.5°	95.7	114.2	102.8	84.2	81.4
85°	50.0	51.4	47.1	41.4	41.4
87.5°	18.6	21.4	18.6	17.1	15.7
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)