

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: P506450

Luminaire Tested: **22PD-70-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PW1-L840
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

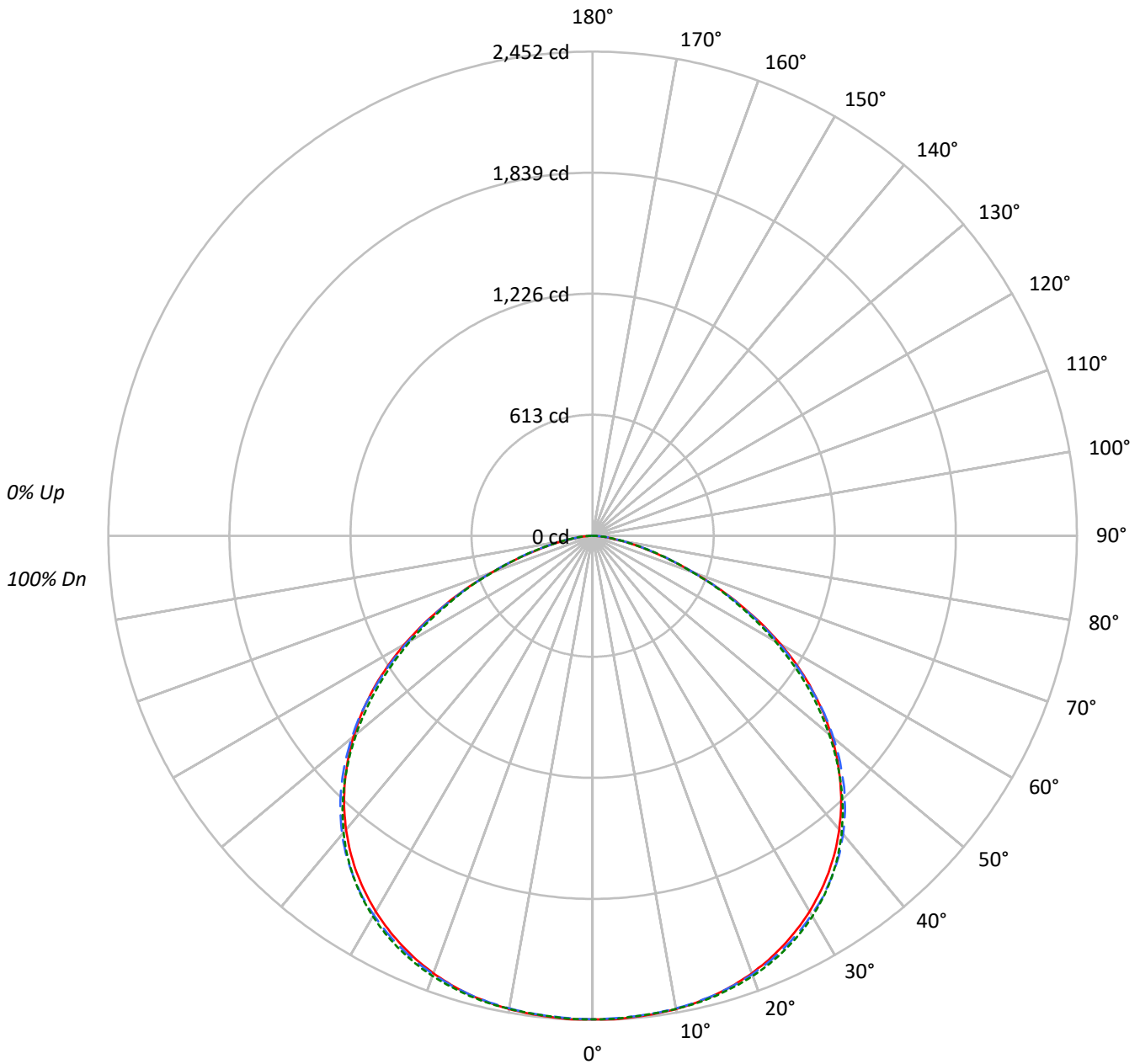
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7079.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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					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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72								
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52								
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45								
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39								
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35								
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28								
10	53	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°	6590	6590	6590
5°	6608	6599	6601
10°	6651	6642	6649
15°	6703	6701	6720
20°	6752	6767	6795
25°	6793	6832	6863
30°	6826	6892	6916
35°	6843	6932	6935
40°	6823	6933	6893
45°	6755	6852	6768
50°	6617	6665	6544
55°	6361	6332	6213
60°	5921	5855	5733
65°	5222	5172	5072
70°	4276	4297	4208
75°	3240	3349	3322
80°	2346	2441	2400
85°	1541	1593	1701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.9	3.3
10°-20°	680.1	9.6
20°-30°	1060.4	15.0
30°-40°	1314.3	18.6
40°-50°	1375.2	19.4
50°-60°	1198.4	16.9
60°-70°	802.8	11.3
70°-80°	348.0	4.9
80°-90°	67.0	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°	1973.4	27.9
0°-40°	3287.7	46.4
0°-60°	5861.3	82.8
0°-90°	7079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2449	2449	2449	2449	2449	
5°	2446	2444	2443	2442	2444	233
15°	2406	2403	2405	2408	2412	680
25°	2288	2289	2301	2308	2312	1055
35°	2083	2091	2110	2113	2111	1302
45°	1775	1785	1800	1786	1778	1367
55°	1356	1355	1350	1335	1324	1207
65°	820	816	812	804	796	811
75°	312	317	322	320	320	343
85°	50	53	52	52	55	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2448.9	2448.9	2448.9	2448.9	2448.9
2.5°	2451.6	2447.2	2446.3	2446.3	2448.9
5°	2446.3	2443.7	2442.8	2441.9	2443.7
7.5°	2441.1	2437.6	2438.4	2436.7	2438.4
10°	2434.1	2430.6	2430.6	2430.6	2433.2
12.5°	2421.8	2419.2	2420.1	2421.8	2425.3
15°	2406.1	2402.6	2405.2	2407.8	2412.2
17.5°	2384.2	2381.5	2385.9	2390.3	2393.8
20°	2357.9	2355.3	2363.2	2369.3	2372.8
22.5°	2325.5	2324.7	2335.2	2342.2	2344.8
25°	2287.9	2288.8	2301.0	2308.0	2311.5
27.5°	2245.0	2246.8	2262.5	2268.6	2272.1
30°	2196.9	2201.2	2217.9	2223.1	2225.8
32.5°	2142.6	2148.7	2168.9	2172.4	2172.4
35°	2083.1	2091.0	2110.2	2112.8	2111.1
37.5°	2016.6	2025.3	2047.2	2043.7	2041.1
40°	1942.2	1951.8	1973.7	1966.7	1962.3
42.5°	1862.5	1872.2	1891.4	1880.9	1874.8
45°	1775.0	1784.6	1800.4	1785.5	1778.5
47.5°	1680.5	1691.9	1699.7	1683.1	1674.3
50°	1580.7	1584.2	1592.1	1572.8	1563.2
52.5°	1472.2	1472.2	1478.3	1457.3	1445.9
55°	1355.8	1354.9	1349.6	1334.8	1324.2
57.5°	1232.3	1227.1	1223.6	1207.8	1195.6
60°	1100.2	1092.3	1087.9	1074.8	1065.2
62.5°	961.9	957.5	952.3	941.8	931.3
65°	820.1	815.7	812.2	804.4	796.5
67.5°	679.2	676.6	676.6	671.3	670.4
70°	543.5	545.3	546.2	546.2	534.8
72.5°	421.0	421.9	426.2	422.7	421.9
75°	311.6	316.8	322.1	319.5	319.5
77.5°	224.1	231.9	231.9	230.2	227.6
80°	151.4	154.9	157.5	156.7	154.9
82.5°	96.3	98.9	96.3	98.0	98.9
85°	49.9	53.4	51.6	52.5	55.1
87.5°	16.6	18.4	19.3	18.4	18.4
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)