

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: P506442

Luminaire Tested: **22PD-70-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PR1-L850
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

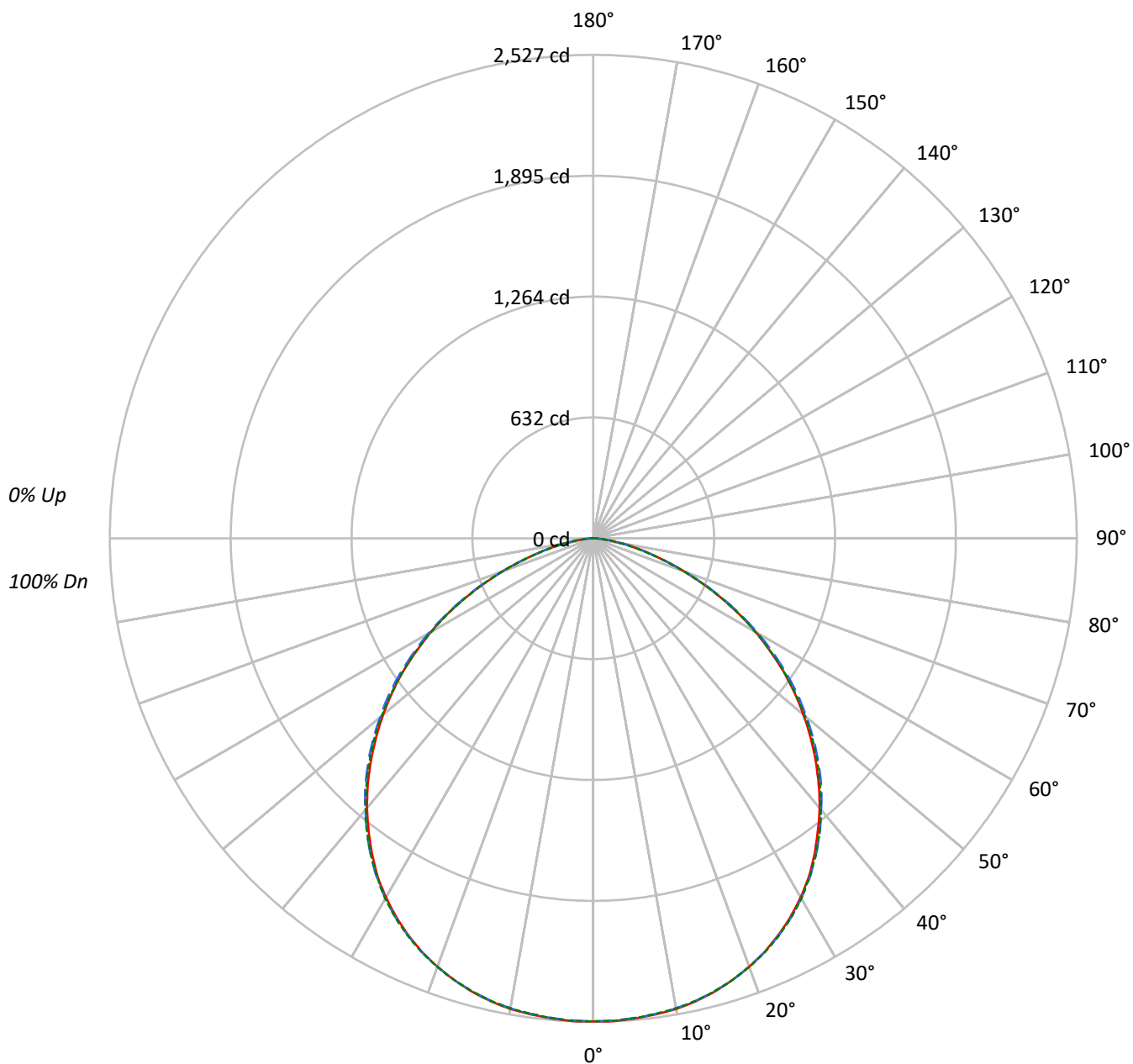
Lumens per Lamp: N/A
Luminaire Lumens: 6747.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6795	6795	6795
5°	6805	6800	6800
10°	6826	6816	6816
15°	6834	6827	6830
20°	6825	6822	6827
25°	6796	6803	6808
30°	6734	6755	6758
35°	6621	6657	6654
40°	6466	6511	6502
45°	6254	6334	6302
50°	6000	6092	6043
55°	5696	5787	5704
60°	5280	5353	5262
65°	4711	4759	4706
70°	3962	3962	3936
75°	3105	3105	3070
80°	2275	2249	2236
85°	1485	1485	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.5	3.6
10°-20°	691.9	10.3
20°-30°	1055.5	15.6
30°-40°	1264.9	18.7
40°-50°	1277.5	18.9
50°-60°	1093.0	16.2
60°-70°	737.1	10.9
70°-80°	325.2	4.8
80°-90°	62.4	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°	1986.9	29.4
0°-40°	3251.9	48.2
0°-60°	5622.4	83.3
0°-90°	6747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6747.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2525	2525	2525	2525	2525	
5°	2519	2516	2517	2516	2517	240
15°	2453	2452	2451	2450	2452	692
25°	2289	2291	2291	2291	2293	1054
35°	2015	2027	2026	2025	2026	1260
45°	1643	1656	1664	1662	1656	1267
55°	1214	1225	1233	1232	1216	1082
65°	740	746	747	746	739	731
75°	299	300	299	300	295	325
85°	48	48	48	49	49	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2525.0	2525.0	2525.0	2525.0	2525.0
2.5°	2526.6	2523.3	2522.4	2521.6	2525.0
5°	2519.1	2515.7	2517.4	2515.7	2517.4
7.5°	2509.8	2506.4	2507.2	2505.6	2507.2
10°	2498.0	2494.6	2494.6	2492.9	2494.6
12.5°	2479.4	2476.9	2476.0	2474.3	2476.9
15°	2453.2	2452.4	2450.7	2449.9	2451.6
17.5°	2421.2	2419.5	2421.2	2418.7	2420.3
20°	2383.2	2384.1	2382.4	2383.2	2384.1
22.5°	2340.2	2340.2	2341.0	2341.0	2342.7
25°	2288.7	2291.3	2291.3	2291.3	2293.0
27.5°	2231.4	2234.8	2237.3	2235.6	2237.3
30°	2167.3	2173.2	2174.0	2173.2	2174.9
32.5°	2098.1	2102.3	2104.8	2103.1	2101.5
35°	2015.4	2027.2	2026.4	2024.7	2025.5
37.5°	1928.5	1940.3	1944.5	1941.2	1942.0
40°	1840.8	1850.9	1853.4	1854.3	1850.9
42.5°	1743.8	1755.6	1764.9	1760.6	1755.6
45°	1643.4	1656.0	1664.5	1661.9	1656.0
47.5°	1539.6	1551.4	1563.2	1559.0	1553.1
50°	1433.3	1445.1	1455.2	1453.6	1443.4
52.5°	1324.5	1338.0	1347.3	1343.9	1330.4
55°	1214.0	1224.9	1233.4	1231.7	1215.7
57.5°	1094.2	1108.5	1112.7	1110.2	1098.4
60°	981.1	990.4	994.6	991.3	977.8
62.5°	860.5	868.1	871.5	870.6	861.3
65°	739.9	745.8	747.4	745.8	739.0
67.5°	615.8	624.3	625.1	625.1	618.4
70°	503.6	506.2	503.6	510.4	500.3
72.5°	394.8	396.5	394.8	394.8	390.6
75°	298.6	299.5	298.6	299.5	295.3
77.5°	216.0	217.7	214.3	216.8	212.6
80°	146.8	146.8	145.1	145.9	144.3
82.5°	91.1	92.8	90.3	90.3	89.4
85°	48.1	48.1	48.1	48.9	48.9
87.5°	16.9	16.9	17.7	17.7	16.9
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)