

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: P506431

Luminaire Tested: **22PD-70-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PL1-L835
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

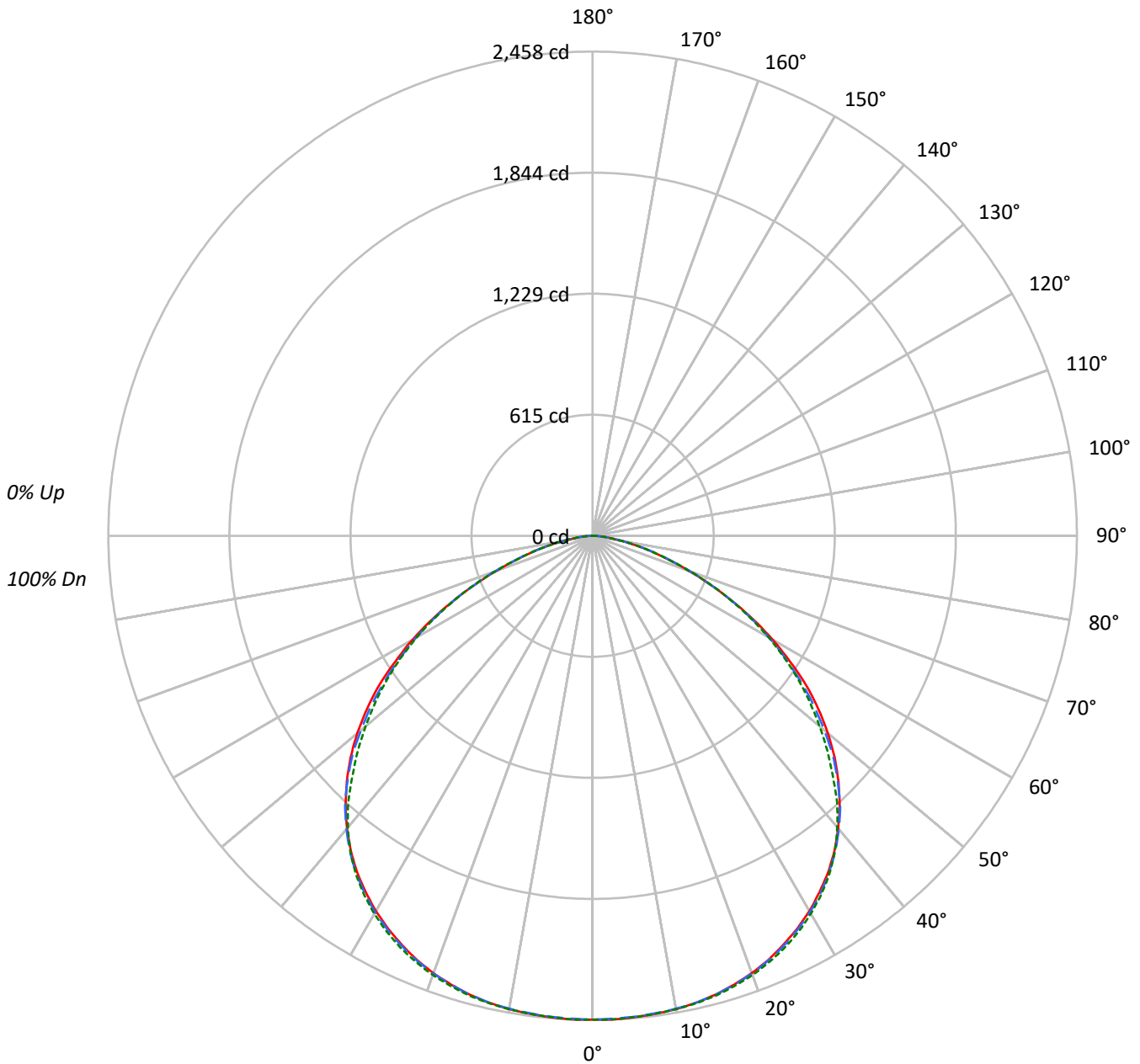
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6956.9 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
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	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	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6609	6609	6609
5°	6628	6621	6623
10°	6669	6662	6669
15°	6717	6717	6732
20°	6766	6773	6796
25°	6802	6818	6851
30°	6836	6858	6885
35°	6847	6870	6884
40°	6811	6830	6787
45°	6714	6694	6559
50°	6524	6423	6293
55°	6208	6050	5981
60°	5683	5576	5543
65°	4956	4945	4928
70°	4062	4131	4116
75°	3219	3273	3219
80°	2359	2345	2332
85°	1575	1550	1655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	3.4
10°-20°	681.5	9.8
20°-30°	1059.3	15.2
30°-40°	1305.9	18.8
40°-50°	1348.9	19.4
50°-60°	1154.2	16.6
60°-70°	770.3	11.1
70°-80°	338.0	4.9
80°-90°	65.4	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°	1974.3	28.4
0°-40°	3280.2	47.2
0°-60°	5783.2	83.1
0°-90°	6956.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6956.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2456	2456	2456	2456	2456	
5°	2454	2450	2451	2449	2452	234
15°	2411	2409	2411	2413	2416	681
25°	2291	2291	2296	2303	2307	1057
35°	2084	2084	2091	2096	2096	1302
45°	1764	1763	1759	1743	1724	1358
55°	1323	1307	1290	1283	1275	1176
65°	778	777	777	779	774	772
75°	310	307	315	313	310	336
85°	51	50	50	52	54	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2456.1	2456.1	2456.1	2456.1	2456.1
2.5°	2457.9	2454.4	2453.5	2453.5	2457.9
5°	2453.5	2450.1	2450.9	2449.2	2451.8
7.5°	2447.5	2444.0	2444.9	2444.0	2447.5
10°	2440.6	2437.1	2438.0	2437.1	2440.6
12.5°	2428.5	2425.9	2427.6	2428.5	2431.1
15°	2411.2	2408.6	2411.2	2412.9	2416.4
17.5°	2388.7	2387.0	2389.5	2392.1	2396.5
20°	2362.7	2361.0	2365.3	2367.9	2373.1
22.5°	2330.7	2329.0	2333.3	2339.4	2342.8
25°	2291.0	2291.0	2296.1	2303.1	2307.4
27.5°	2248.6	2247.7	2253.8	2260.7	2265.0
30°	2200.1	2198.4	2207.1	2213.1	2215.7
32.5°	2143.9	2144.8	2152.6	2158.6	2159.5
35°	2084.3	2084.3	2091.2	2095.5	2095.5
37.5°	2015.9	2015.1	2022.0	2023.7	2021.1
40°	1939.0	1939.8	1944.2	1943.3	1932.0
42.5°	1855.9	1856.8	1860.3	1848.2	1836.9
45°	1764.3	1763.4	1759.1	1742.6	1723.6
47.5°	1666.5	1662.2	1655.3	1630.2	1616.4
50°	1558.4	1551.5	1534.2	1514.3	1503.1
52.5°	1444.3	1432.2	1414.9	1399.3	1389.8
55°	1323.2	1306.8	1289.5	1282.6	1274.8
57.5°	1188.3	1177.9	1163.2	1159.7	1154.6
60°	1056.0	1044.7	1036.1	1036.1	1030.0
62.5°	917.6	910.7	907.2	908.9	902.9
65°	778.4	776.6	776.6	779.2	774.0
67.5°	643.4	646.9	646.0	654.7	647.8
70°	516.3	522.4	525.0	533.6	523.2
72.5°	406.5	407.3	410.8	413.4	408.2
75°	309.6	307.0	314.8	313.1	309.6
77.5°	224.0	222.3	224.9	226.6	222.3
80°	152.2	150.5	151.3	153.9	150.5
82.5°	96.0	94.3	94.3	96.9	96.0
85°	51.0	50.2	50.2	51.9	53.6
87.5°	18.2	17.3	18.2	18.2	18.2
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)