

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: P506782

Luminaire Tested: **24PD-70-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PL1-L835
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

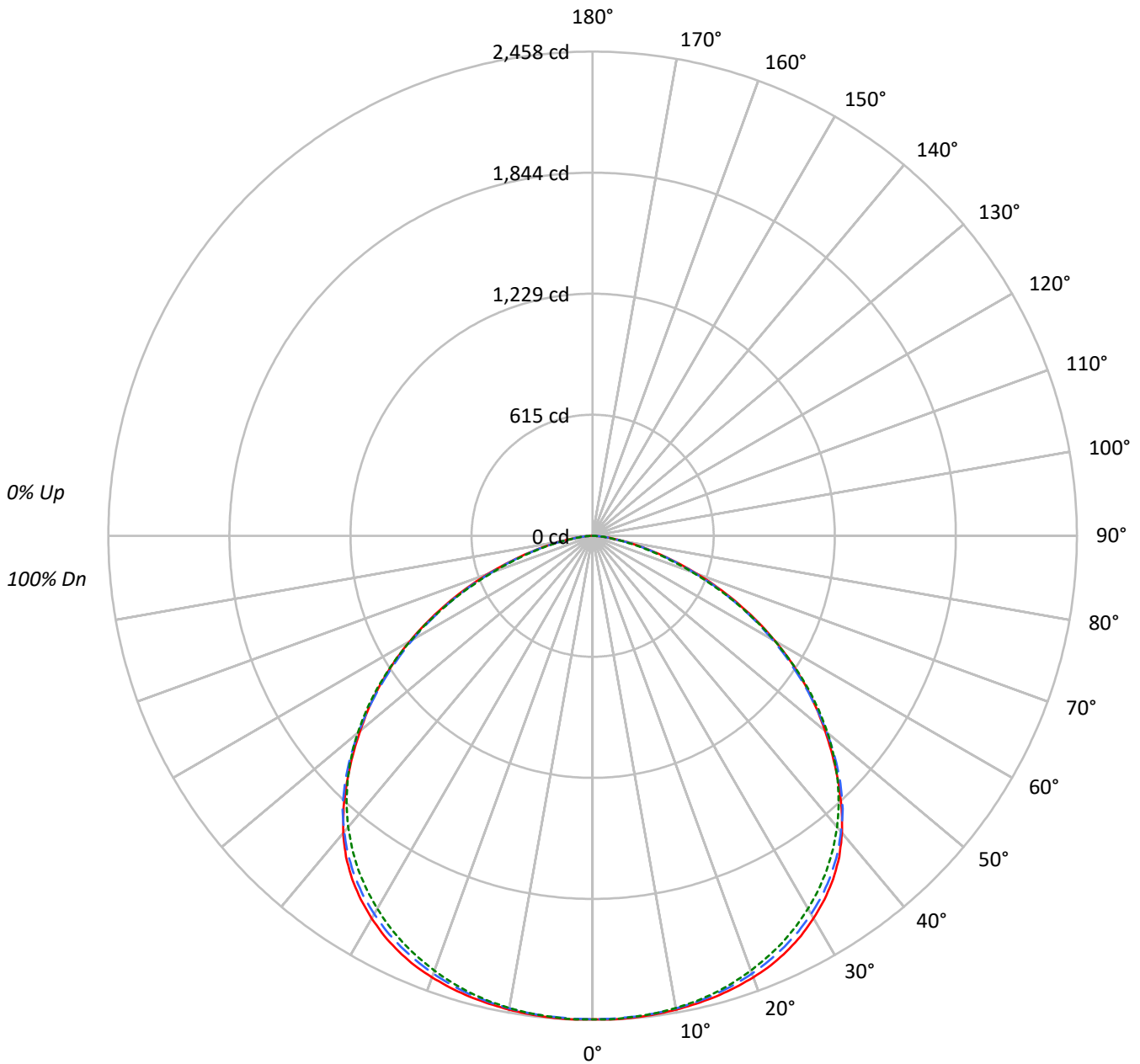
Lumens per Lamp: N/A
Luminaire Lumens: 7041.1 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.5
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	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	48	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	33	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	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°	3303	3303	3303
5°	3315	3310	3311
10°	3338	3329	3326
15°	3373	3356	3346
20°	3415	3387	3363
25°	3457	3418	3383
30°	3484	3445	3397
35°	3496	3461	3403
40°	3459	3446	3390
45°	3353	3384	3347
50°	3223	3247	3258
55°	3084	3060	3106
60°	2885	2838	2874
65°	2595	2544	2542
70°	2210	2160	2110
75°	1740	1701	1632
80°	1244	1208	1141
85°	736	726	675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.6	3.3
10°-20°	681.3	9.7
20°-30°	1062.0	15.1
30°-40°	1314.1	18.7
40°-50°	1362.3	19.3
50°-60°	1173.0	16.7
60°-70°	795.8	11.3
70°-80°	355.1	5.0
80°-90°	63.9	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°	1976.8	28.1
0°-40°	3291.0	46.7
0°-60°	5826.2	82.7
0°-90°	7041.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7041.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2454	2454	2454	2454	2454	
5°	2454	2451	2450	2450	2451	234
15°	2422	2415	2409	2404	2402	685
25°	2329	2320	2303	2286	2279	1074
35°	2128	2122	2107	2084	2072	1328
45°	1762	1770	1778	1772	1759	1358
55°	1315	1315	1304	1319	1324	1172
65°	815	819	799	790	798	807
75°	335	337	327	320	314	363
85°	48	48	47	47	44	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2454.5	2454.5	2454.5	2454.5	2454.5
2.5°	2457.8	2452.4	2453.1	2453.8	2456.5
5°	2454.5	2451.1	2450.4	2450.4	2451.1
7.5°	2450.4	2446.4	2445.7	2445.0	2445.0
10°	2443.0	2439.0	2436.3	2435.0	2434.3
12.5°	2432.9	2428.2	2424.9	2422.2	2420.2
15°	2421.5	2414.8	2409.4	2404.0	2402.0
17.5°	2405.4	2399.3	2389.9	2381.2	2377.8
20°	2385.2	2379.2	2365.7	2353.6	2348.9
22.5°	2361.7	2353.0	2336.2	2322.7	2316.0
25°	2328.8	2320.0	2302.6	2285.8	2279.0
27.5°	2290.5	2282.4	2263.6	2243.4	2235.4
30°	2242.7	2237.4	2217.2	2195.0	2186.3
32.5°	2189.7	2184.3	2166.8	2141.9	2131.9
35°	2128.5	2122.4	2107.0	2084.1	2072.0
37.5°	2055.9	2053.9	2039.1	2015.6	2004.2
40°	1969.2	1973.2	1961.8	1941.7	1930.2
42.5°	1870.4	1879.1	1879.1	1860.3	1848.9
45°	1762.2	1770.3	1778.3	1771.6	1758.8
47.5°	1651.3	1660.0	1669.5	1672.1	1661.4
50°	1539.7	1545.1	1551.2	1563.3	1556.5
52.5°	1428.9	1430.9	1428.9	1445.0	1443.6
55°	1314.6	1315.3	1304.5	1319.3	1324.0
57.5°	1195.6	1197.7	1180.2	1188.2	1198.3
60°	1072.0	1074.0	1054.5	1055.8	1067.9
62.5°	944.3	947.0	927.5	922.8	933.5
65°	815.2	818.6	799.1	790.4	798.4
67.5°	686.9	690.9	672.8	662.0	664.0
70°	561.9	565.2	549.1	539.0	536.3
72.5°	442.9	446.3	433.5	423.4	418.7
75°	334.7	337.4	327.3	319.9	313.9
77.5°	240.6	242.6	234.6	229.2	223.1
80°	160.6	161.3	155.9	152.6	147.2
82.5°	96.1	96.8	93.4	92.1	88.0
85°	47.7	48.4	47.0	47.0	43.7
87.5°	16.8	16.1	16.8	16.8	14.8
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)