

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: P506790

Luminaire Tested: **24PD-70-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PR1-L830
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

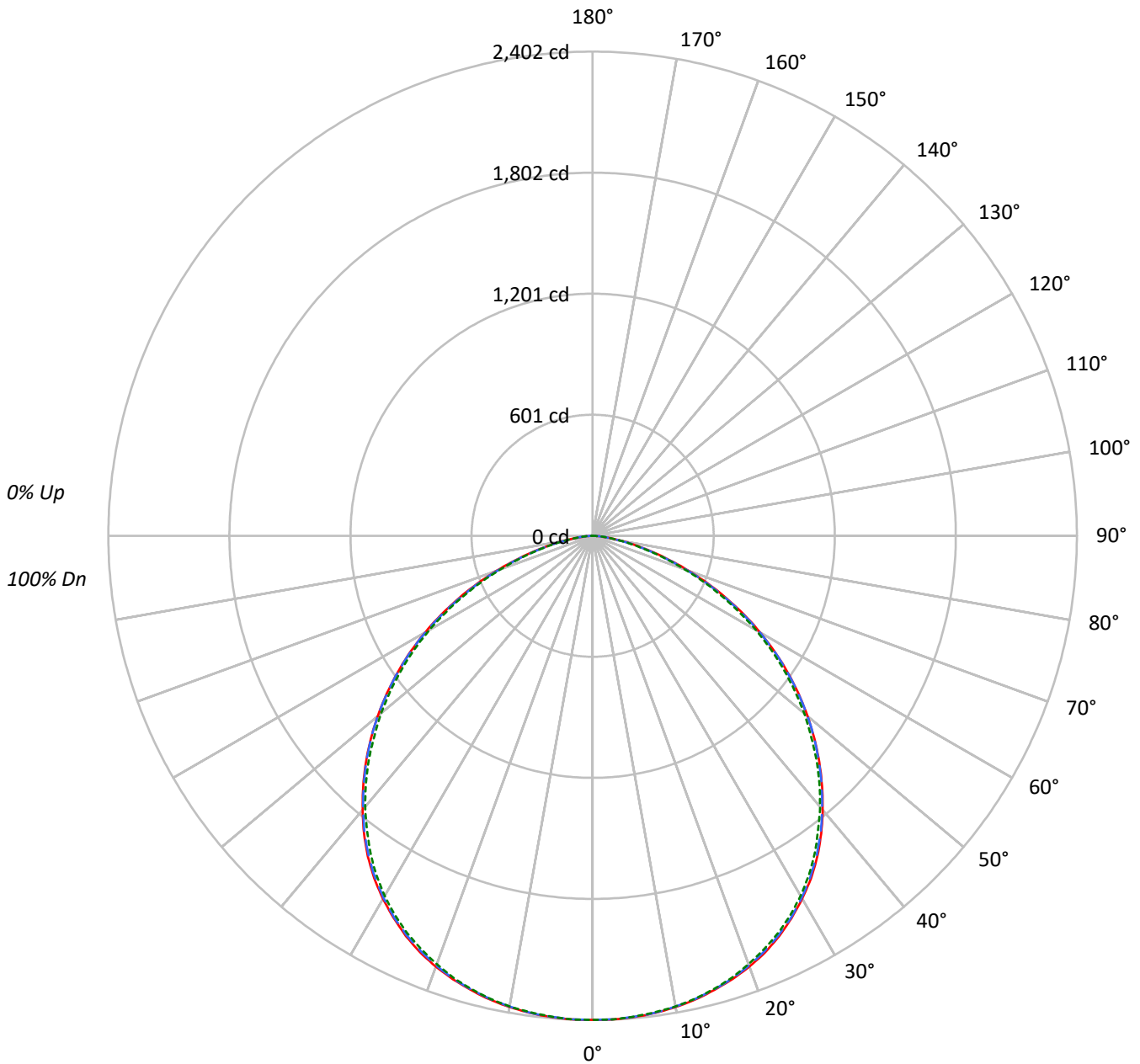
Lumens per Lamp: N/A
Luminaire Lumens: 6465.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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									
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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3231	3231	3231
5°	3237	3235	3233
10°	3244	3240	3239
15°	3250	3246	3242
20°	3256	3248	3239
25°	3253	3244	3230
30°	3231	3222	3205
35°	3192	3181	3156
40°	3118	3110	3083
45°	3026	3021	2987
50°	2913	2912	2868
55°	2770	2764	2712
60°	2582	2572	2513
65°	2326	2298	2245
70°	1986	1957	1908
75°	1570	1535	1499
80°	1115	1086	1052
85°	670	651	631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	3.5
10°-20°	658.0	10.2
20°-30°	1006.0	15.6
30°-40°	1208.1	18.7
40°-50°	1220.8	18.9
50°-60°	1049.0	16.2
60°-70°	715.6	11.1
70°-80°	321.7	5.0
80°-90°	57.9	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°	1891.9	29.3
0°-40°	3100.0	48.0
0°-60°	5369.8	83.1
0°-90°	6465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2401	2401	2401	2401	2401	
5°	2396	2396	2395	2394	2394	228
15°	2333	2333	2330	2328	2328	659
25°	2191	2190	2185	2178	2176	1009
35°	1943	1943	1937	1925	1921	1213
45°	1590	1594	1588	1576	1570	1226
55°	1181	1185	1178	1168	1156	1054
65°	731	734	722	717	705	723
75°	302	304	295	293	288	327
85°	43	44	42	42	41	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2402.0	2401.4	2400.8	2399.5	2401.4
5°	2396.4	2395.8	2395.2	2393.9	2393.9
7.5°	2387.7	2386.5	2386.5	2384.6	2384.0
10°	2374.1	2373.5	2371.6	2371.6	2371.0
12.5°	2356.7	2355.5	2353.6	2353.0	2351.8
15°	2333.2	2332.6	2330.1	2328.2	2327.6
17.5°	2306.5	2304.6	2302.8	2298.4	2298.4
20°	2274.3	2273.0	2268.7	2264.3	2261.8
22.5°	2237.0	2234.6	2229.6	2225.3	2220.3
25°	2191.1	2190.5	2184.9	2177.5	2175.6
27.5°	2137.8	2139.0	2133.5	2126.0	2122.3
30°	2079.5	2082.0	2073.9	2064.6	2062.8
32.5°	2015.6	2016.3	2009.4	1999.5	1995.8
35°	1943.1	1943.1	1936.9	1925.1	1921.4
37.5°	1862.4	1861.8	1858.1	1844.5	1837.6
40°	1775.0	1778.1	1770.7	1758.3	1755.1
42.5°	1684.4	1688.2	1681.3	1670.8	1664.0
45°	1590.2	1594.5	1587.7	1576.5	1569.7
47.5°	1492.8	1495.9	1490.9	1476.7	1467.4
50°	1391.7	1397.9	1391.1	1376.2	1370.0
52.5°	1287.5	1294.3	1286.3	1275.1	1263.3
55°	1180.8	1185.2	1178.4	1167.8	1156.0
57.5°	1071.1	1079.8	1068.6	1056.2	1046.3
60°	959.4	966.9	955.7	944.6	934.0
62.5°	845.9	850.9	838.5	831.7	819.3
65°	730.6	734.3	721.9	716.9	705.2
67.5°	616.5	619.6	607.8	601.0	594.1
70°	504.8	507.3	497.4	491.2	485.0
72.5°	399.4	400.0	390.7	388.9	381.4
75°	302.0	304.5	295.2	293.4	288.4
77.5°	217.1	217.7	211.5	210.2	205.9
80°	143.9	144.5	140.2	139.5	135.8
82.5°	86.8	87.4	83.7	83.7	81.2
85°	43.4	44.0	42.2	42.2	40.9
87.5°	14.9	15.5	14.9	14.9	14.3
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)