

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: P506781

Luminaire Tested: **24PD-70-PL1-L830**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506781
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-L830
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

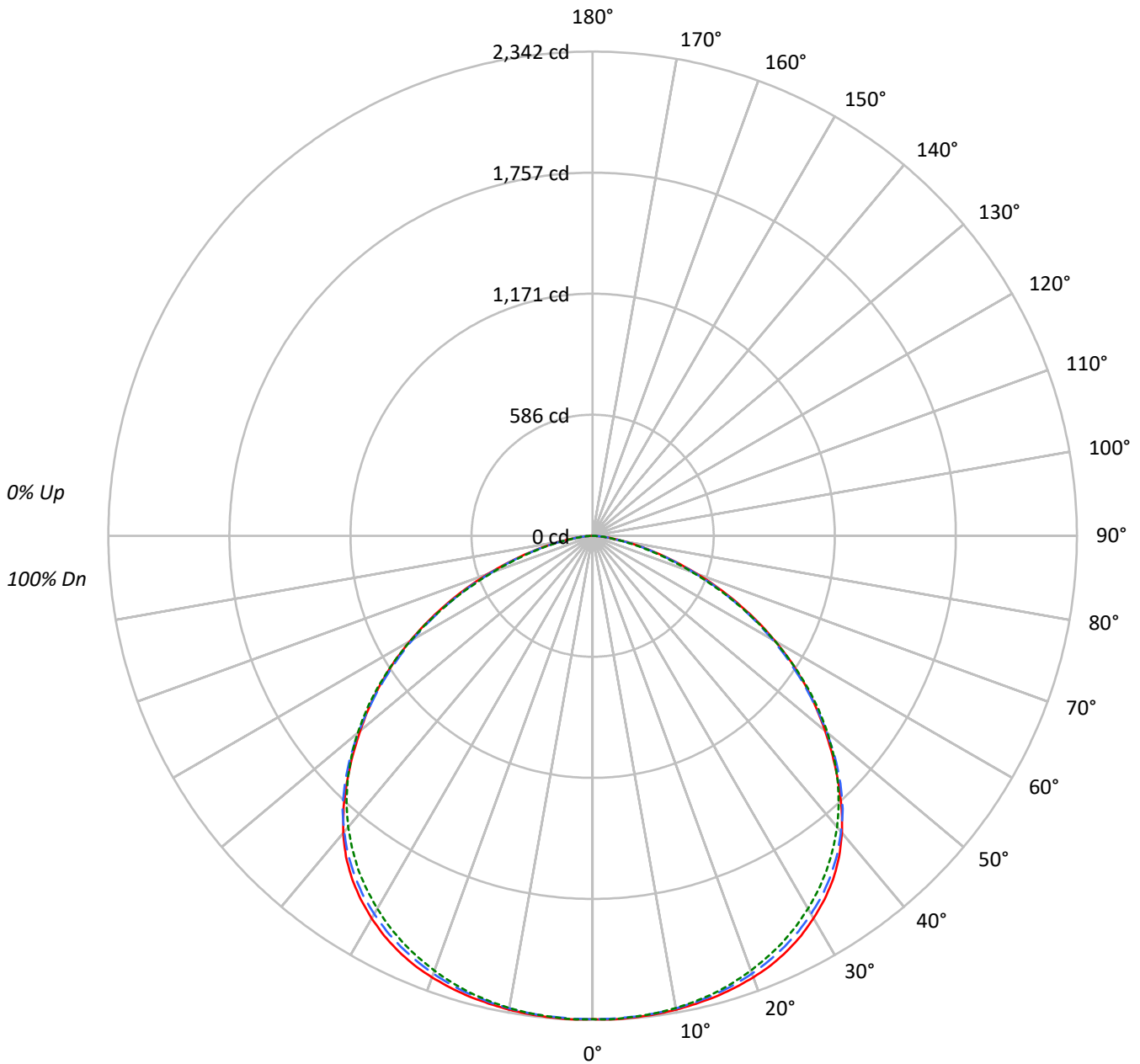
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6708.3 lumens
Efficiency: N/A
Efficacy: 130.3 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

TEST NUMBER: P506781
CATALOG NUMBER: 24PD-70-PL1-L830

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3146	3146	3146
5°	3158	3153	3154
10°	3180	3171	3169
15°	3214	3198	3188
20°	3254	3227	3204
25°	3294	3257	3223
30°	3320	3282	3236
35°	3331	3297	3243
40°	3295	3283	3230
45°	3195	3224	3189
50°	3071	3094	3104
55°	2938	2916	2959
60°	2748	2704	2738
65°	2473	2424	2422
70°	2106	2058	2010
75°	1658	1621	1554
80°	1185	1151	1086
85°	702	692	642



TEST NUMBER: P506781

CATALOG NUMBER: 24PD-70-PL1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.5	3.3
10°-20°	649.1	9.7
20°-30°	1011.8	15.1
30°-40°	1252.0	18.7
40°-50°	1297.9	19.3
50°-60°	1117.5	16.7
60°-70°	758.2	11.3
70°-80°	338.3	5.0
80°-90°	60.9	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°	1883.4	28.1
0°-40°	3135.4	46.7
0°-60°	5550.9	82.7
0°-90°	6708.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6708.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2338	2335	2335	2335	2335	223
15°	2307	2301	2296	2290	2288	652
25°	2219	2210	2194	2178	2171	1023
35°	2028	2022	2007	1986	1974	1266
45°	1679	1687	1694	1688	1676	1294
55°	1252	1253	1243	1257	1261	1117
65°	777	780	761	753	761	768
75°	319	321	312	305	299	346
85°	46	46	45	45	42	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2338.5	2338.5	2338.5	2338.5	2338.5
2.5°	2341.7	2336.5	2337.2	2337.8	2340.4
5°	2338.5	2335.3	2334.6	2334.6	2335.3
7.5°	2334.6	2330.8	2330.1	2329.5	2329.5
10°	2327.6	2323.7	2321.2	2319.9	2319.2
12.5°	2318.0	2313.5	2310.3	2307.7	2305.8
15°	2307.1	2300.7	2295.6	2290.4	2288.5
17.5°	2291.7	2285.9	2277.0	2268.7	2265.5
20°	2272.5	2266.7	2253.9	2242.4	2237.9
22.5°	2250.1	2241.8	2225.8	2213.0	2206.5
25°	2218.7	2210.4	2193.7	2177.7	2171.3
27.5°	2182.2	2174.5	2156.6	2137.4	2129.7
30°	2136.8	2131.6	2112.4	2091.3	2083.0
32.5°	2086.2	2081.0	2064.4	2040.7	2031.1
35°	2027.9	2022.1	2007.4	1985.6	1974.1
37.5°	1958.7	1956.8	1942.7	1920.3	1909.4
40°	1876.1	1880.0	1869.1	1849.9	1839.0
42.5°	1782.0	1790.3	1790.3	1772.4	1761.5
45°	1678.9	1686.6	1694.3	1687.9	1675.7
47.5°	1573.3	1581.6	1590.6	1593.1	1582.9
50°	1467.0	1472.1	1477.9	1489.4	1483.0
52.5°	1361.3	1363.2	1361.3	1376.7	1375.4
55°	1252.5	1253.1	1242.9	1257.0	1261.4
57.5°	1139.1	1141.1	1124.4	1132.1	1141.7
60°	1021.3	1023.2	1004.7	1005.9	1017.5
62.5°	899.7	902.2	883.6	879.2	889.4
65°	776.7	779.9	761.3	753.0	760.7
67.5°	654.4	658.3	641.0	630.7	632.6
70°	535.3	538.5	523.1	513.5	511.0
72.5°	422.0	425.2	413.0	403.4	398.9
75°	318.9	321.4	311.8	304.8	299.0
77.5°	229.2	231.2	223.5	218.3	212.6
80°	153.0	153.7	148.6	145.4	140.2
82.5°	91.6	92.2	89.0	87.7	83.9
85°	45.5	46.1	44.8	44.8	41.6
87.5°	16.0	15.4	16.0	16.0	14.1
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)