

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: P506079

Luminaire Tested: **14PD-70-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PL1-L830
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

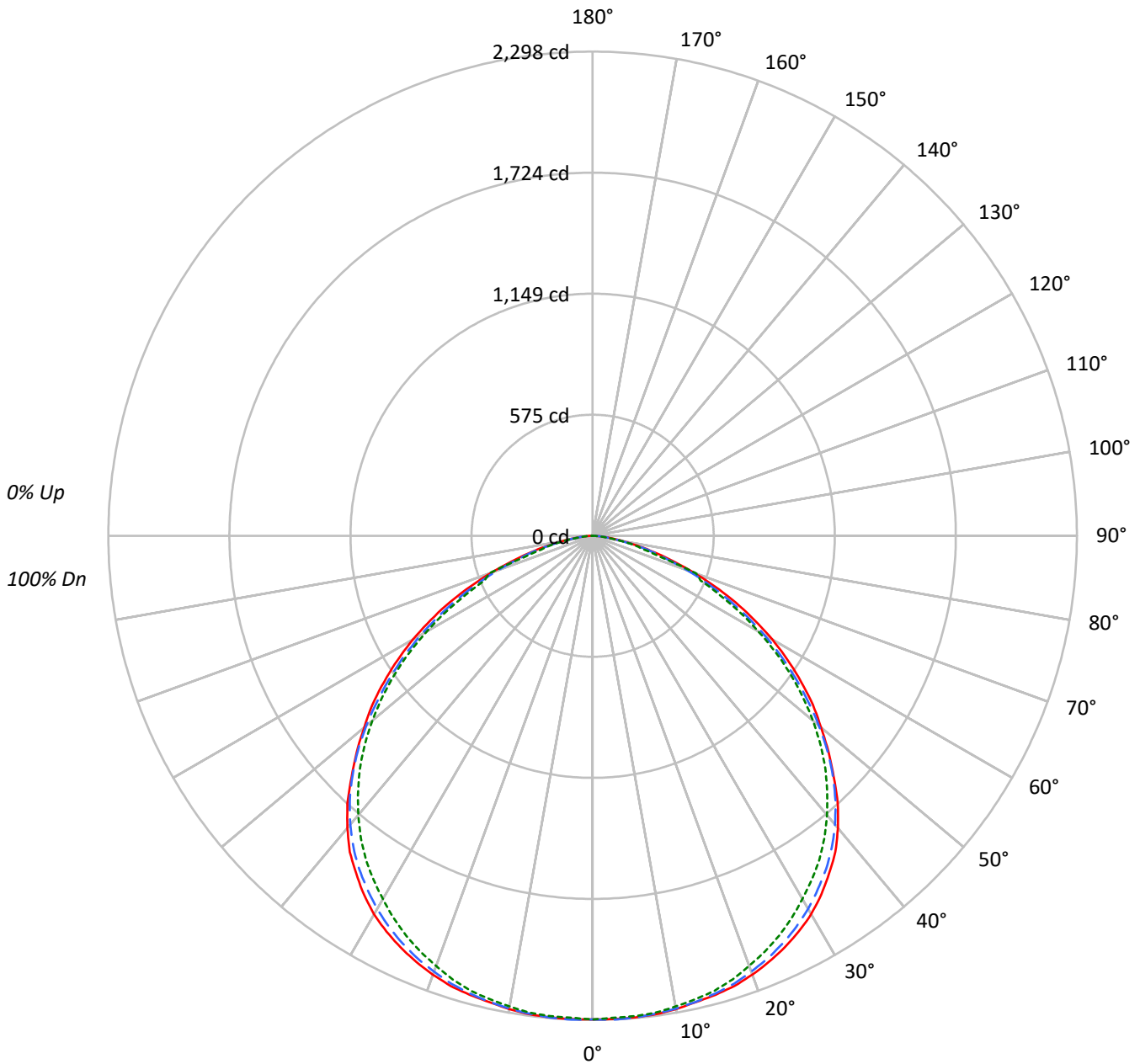
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6381.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6178	6178	6178
5°	6198	6202	6181
10°	6232	6225	6198
15°	6284	6266	6228
20°	6347	6304	6221
25°	6401	6338	6218
30°	6444	6354	6186
35°	6428	6345	6163
40°	6360	6285	6076
45°	6156	6137	5940
50°	5922	5869	5711
55°	5666	5501	5377
60°	5293	5055	4886
65°	4769	4472	4230
70°	3987	3740	4107
75°	3146	3028	2622
80°	2267	2013	2052
85°	1439	1207	1130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	3.4
10°-20°	634.5	9.9
20°-30°	981.0	15.4
30°-40°	1200.7	18.8
40°-50°	1230.9	19.3
50°-60°	1048.4	16.4
60°-70°	700.6	11.0
70°-80°	310.5	4.9
80°-90°	56.2	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°	1833.8	28.7
0°-40°	3034.5	47.6
0°-60°	5313.8	83.3
0°-90°	6381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2296	2296	2296	2296	2296	
5°	2295	2290	2296	2295	2288	219
15°	2256	2248	2249	2243	2235	638
25°	2156	2148	2134	2107	2094	994
35°	1957	1952	1932	1889	1876	1224
45°	1618	1623	1612	1576	1561	1248
55°	1208	1202	1172	1149	1146	1078
65°	749	743	702	671	664	738
75°	303	306	291	292	252	328
85°	47	45	39	38	37	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2295.9	2295.9	2295.9	2295.9	2295.9
2.5°	2295.9	2292.1	2298.4	2300.9	2289.6
5°	2294.6	2289.6	2295.9	2294.6	2288.3
7.5°	2290.8	2282.0	2288.3	2285.8	2283.3
10°	2280.8	2273.2	2278.2	2274.5	2268.2
12.5°	2266.9	2261.8	2265.6	2261.8	2253.0
15°	2255.5	2248.0	2249.2	2242.9	2235.4
17.5°	2240.4	2229.1	2229.1	2216.5	2207.6
20°	2216.5	2206.4	2201.3	2183.7	2172.3
22.5°	2188.7	2181.2	2171.1	2148.4	2135.8
25°	2155.9	2148.4	2134.5	2106.8	2094.2
27.5°	2118.1	2108.0	2092.9	2060.1	2045.0
30°	2074.0	2061.4	2045.0	2008.4	1990.8
32.5°	2019.8	2011.0	1989.5	1951.7	1935.3
35°	1956.7	1951.7	1931.5	1888.7	1876.0
37.5°	1892.4	1882.4	1864.7	1819.3	1806.7
40°	1810.5	1804.2	1789.1	1744.9	1729.8
42.5°	1722.2	1718.4	1705.8	1664.2	1647.8
45°	1617.6	1622.6	1612.5	1576.0	1560.9
47.5°	1518.0	1515.5	1511.7	1478.9	1466.3
50°	1414.6	1409.6	1402.0	1375.5	1364.2
52.5°	1317.5	1307.4	1287.3	1264.6	1257.0
55°	1207.8	1201.5	1172.5	1148.6	1146.1
57.5°	1096.9	1093.1	1057.8	1030.1	1030.1
60°	983.4	978.4	939.3	910.3	907.8
62.5°	864.9	861.1	820.8	788.0	789.3
65°	748.9	742.6	702.3	670.7	664.4
67.5°	627.9	625.3	586.3	557.3	554.7
70°	506.8	506.8	475.3	450.1	522.0
72.5°	399.7	395.9	370.7	359.3	342.9
75°	302.6	306.4	291.2	292.5	252.2
77.5°	215.6	209.3	203.0	189.1	200.5
80°	146.3	142.5	129.9	126.1	132.4
82.5°	90.8	92.0	80.7	73.1	71.9
85°	46.6	45.4	39.1	37.8	36.6
87.5°	17.7	18.9	16.4	15.1	13.9
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)