

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: P506080

Luminaire Tested: **14PD-70-PL1-L835**

Issue Date: 3/26/2021



**Test Information**

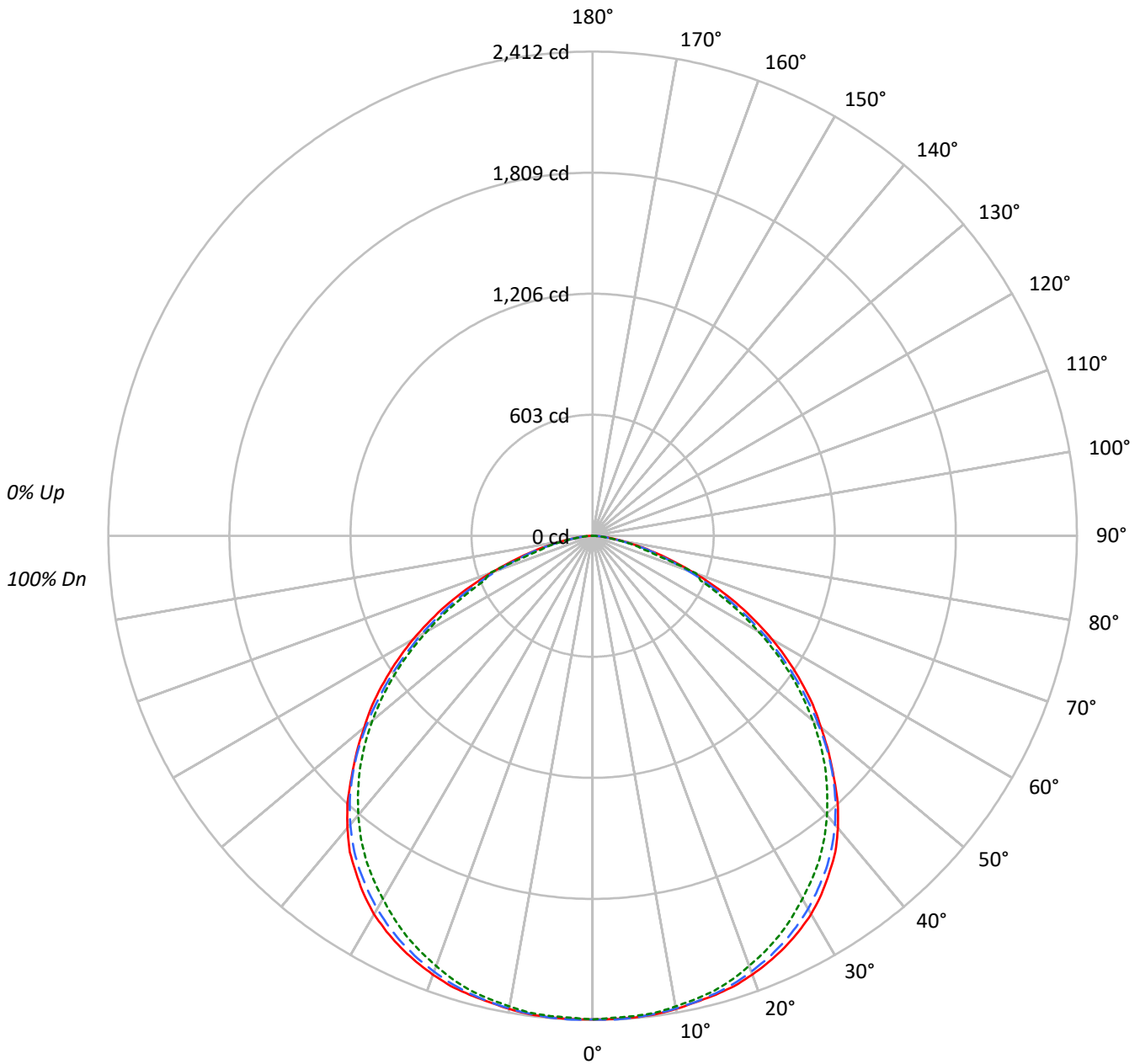
Test Method: LM-79-08  
Report Number: P506080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-70-PL1-L835  
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6697.2 lumens  
Efficiency: N/A  
Efficacy: 94.1 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<sub>in</sub>): 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°	6484	6484	6484
5°	6505	6509	6488
10°	6541	6534	6505
15°	6595	6577	6536
20°	6662	6616	6529
25°	6719	6652	6526
30°	6764	6669	6492
35°	6747	6660	6468
40°	6675	6596	6378
45°	6461	6441	6234
50°	6216	6160	5994
55°	5948	5773	5643
60°	5555	5306	5127
65°	5005	4693	4441
70°	4186	3925	4310
75°	3302	3178	2752
80°	2379	2112	2152
85°	1513	1266	1186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.1	3.4
10°-20°	665.9	9.9
20°-30°	1029.7	15.4
30°-40°	1260.2	18.8
40°-50°	1291.9	19.3
50°-60°	1100.3	16.4
60°-70°	735.3	11.0
70°-80°	325.9	4.9
80°-90°	58.9	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°	1924.7	28.7
0°-40°	3184.9	47.6
0°-60°	5577.1	83.3
0°-90°	6697.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6697.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2410	2410	2410	2410	2410	
5°	2408	2403	2410	2408	2402	229
15°	2367	2359	2361	2354	2346	669
25°	2263	2255	2240	2211	2198	1043
35°	2054	2048	2027	1982	1969	1284
45°	1698	1703	1692	1654	1638	1310
55°	1268	1261	1231	1206	1203	1131
65°	786	779	737	704	697	775
75°	318	322	306	307	265	344
85°	49	48	41	40	38	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2409.7	2409.7	2409.7	2409.7	2409.7
2.5°	2409.7	2405.7	2412.3	2415.0	2403.0
5°	2408.3	2403.0	2409.7	2408.3	2401.7
7.5°	2404.4	2395.1	2401.7	2399.1	2396.4
10°	2393.8	2385.8	2391.1	2387.2	2380.6
12.5°	2379.2	2373.9	2377.9	2373.9	2364.7
15°	2367.3	2359.4	2360.7	2354.1	2346.1
17.5°	2351.4	2339.5	2339.5	2326.3	2317.0
20°	2326.3	2315.7	2310.4	2291.9	2280.0
22.5°	2297.2	2289.2	2278.7	2254.8	2241.6
25°	2262.8	2254.8	2240.3	2211.2	2197.9
27.5°	2223.1	2212.5	2196.6	2162.2	2146.3
30°	2176.8	2163.5	2146.3	2108.0	2089.4
32.5°	2119.9	2110.6	2088.1	2048.4	2031.2
35°	2053.7	2048.4	2027.2	1982.2	1969.0
37.5°	1986.2	1975.6	1957.1	1909.5	1896.2
40°	1900.2	1893.6	1877.7	1831.4	1815.5
42.5°	1807.6	1803.6	1790.4	1746.7	1729.5
45°	1697.7	1703.0	1692.5	1654.1	1638.2
47.5°	1593.2	1590.6	1586.6	1552.2	1539.0
50°	1484.7	1479.4	1471.5	1443.7	1431.8
52.5°	1382.8	1372.2	1351.1	1327.2	1319.3
55°	1267.7	1261.1	1230.6	1205.5	1202.8
57.5°	1151.2	1147.3	1110.2	1081.1	1081.1
60°	1032.1	1026.9	985.8	955.4	952.7
62.5°	907.8	903.8	861.4	827.0	828.4
65°	786.0	779.4	737.1	704.0	697.4
67.5°	659.0	656.3	615.3	584.9	582.2
70°	532.0	532.0	498.9	472.4	547.8
72.5°	419.5	415.5	389.0	377.1	359.9
75°	317.6	321.6	305.7	307.0	264.7
77.5°	226.3	219.7	213.0	198.5	210.4
80°	153.5	149.5	136.3	132.3	138.9
82.5°	95.3	96.6	84.7	76.7	75.4
85°	49.0	47.6	41.0	39.7	38.4
87.5°	18.5	19.8	17.2	15.9	14.6
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)