

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: P506841

Luminaire Tested: **24PD-80-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506841  
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-80-PL1-L935  
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

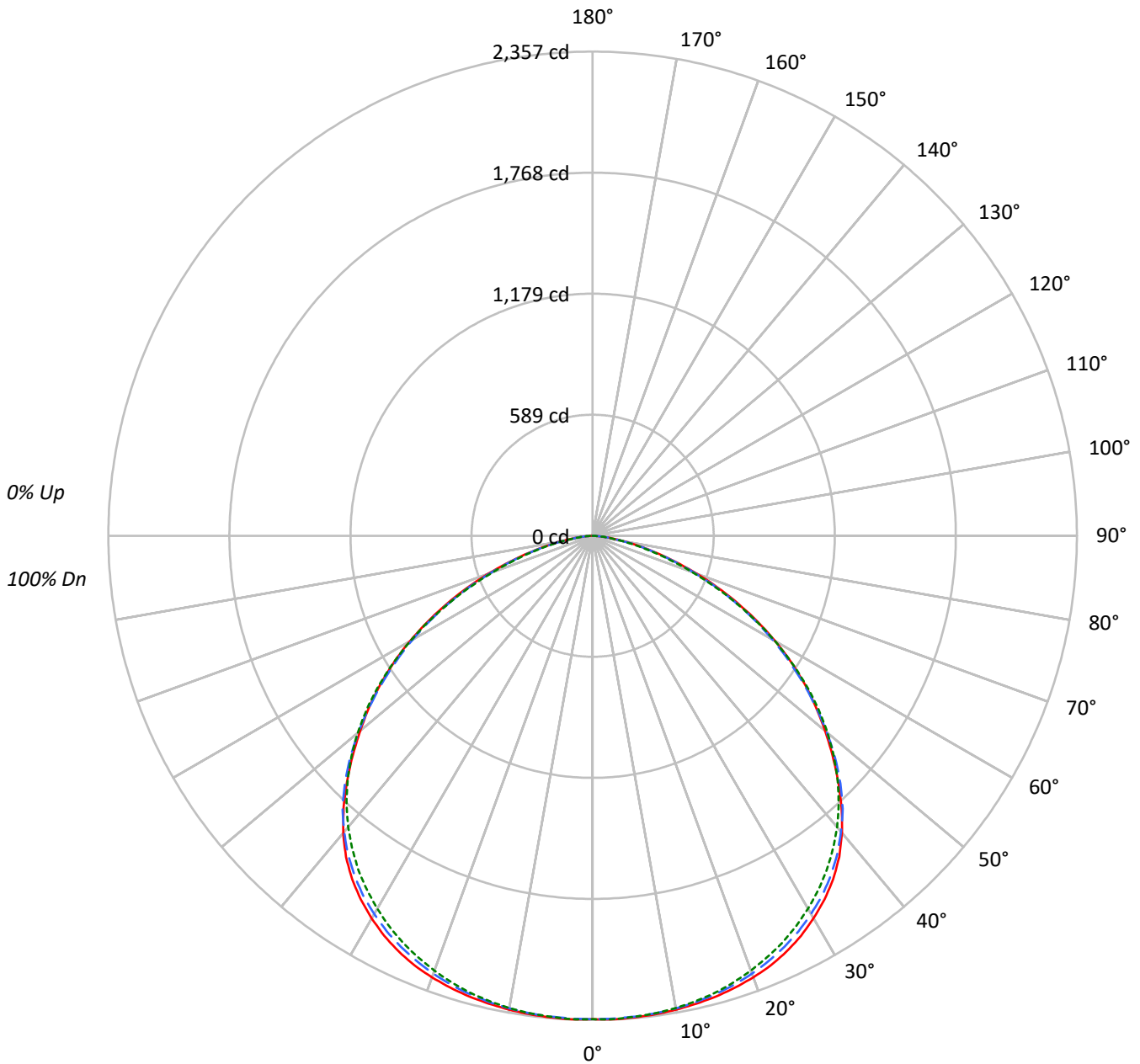
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6751.4 lumens  
Efficiency: N/A  
Efficacy: 110.3 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): 61.2  
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	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°	3167	3167	3167
5°	3179	3173	3174
10°	3200	3192	3189
15°	3234	3218	3208
20°	3275	3248	3225
25°	3315	3278	3244
30°	3341	3303	3257
35°	3352	3318	3263
40°	3316	3304	3251
45°	3215	3245	3209
50°	3090	3113	3124
55°	2957	2934	2978
60°	2766	2721	2756
65°	2489	2439	2437
70°	2119	2071	2023
75°	1668	1631	1565
80°	1193	1158	1093
85°	707	696	647



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.9	3.3
10°-20°	653.2	9.7
20°-30°	1018.3	15.1
30°-40°	1260.1	18.7
40°-50°	1306.3	19.3
50°-60°	1124.7	16.7
60°-70°	763.1	11.3
70°-80°	340.5	5.0
80°-90°	61.3	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°	1895.5	28.1
0°-40°	3155.6	46.7
0°-60°	5586.6	82.7
0°-90°	6751.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6751.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2354	2354	2354	2354	2354	
5°	2354	2350	2350	2350	2350	224
15°	2322	2316	2310	2305	2303	657
25°	2233	2225	2208	2192	2185	1029
35°	2041	2035	2020	1998	1987	1274
45°	1690	1697	1705	1699	1686	1302
55°	1260	1261	1251	1265	1270	1124
65°	782	785	766	758	766	773
75°	321	324	314	307	301	348
85°	46	46	45	45	42	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2353.5	2353.5	2353.5	2353.5	2353.5
2.5°	2356.7	2351.5	2352.2	2352.8	2355.4
5°	2353.5	2350.3	2349.6	2349.6	2350.3
7.5°	2349.6	2345.7	2345.1	2344.5	2344.5
10°	2342.5	2338.7	2336.1	2334.8	2334.1
12.5°	2332.9	2328.3	2325.1	2322.5	2320.6
15°	2321.9	2315.5	2310.3	2305.1	2303.2
17.5°	2306.4	2300.6	2291.6	2283.2	2280.0
20°	2287.1	2281.3	2268.4	2256.8	2252.3
22.5°	2264.5	2256.2	2240.1	2227.2	2220.7
25°	2233.0	2224.6	2207.8	2191.7	2185.3
27.5°	2196.2	2188.5	2170.5	2151.1	2143.4
30°	2150.5	2145.3	2126.0	2104.7	2096.3
32.5°	2099.6	2094.4	2077.7	2053.8	2044.2
35°	2040.9	2035.1	2020.3	1998.4	1986.8
37.5°	1971.3	1969.4	1955.2	1932.7	1921.7
40°	1888.2	1892.1	1881.1	1861.8	1850.8
42.5°	1793.5	1801.8	1801.8	1783.8	1772.8
45°	1689.7	1697.4	1705.2	1698.7	1686.5
47.5°	1583.4	1591.8	1600.8	1603.4	1593.0
50°	1476.4	1481.6	1487.4	1499.0	1492.5
52.5°	1370.1	1372.0	1370.1	1385.5	1384.2
55°	1260.5	1261.2	1250.9	1265.0	1269.5
57.5°	1146.5	1148.4	1131.6	1139.4	1149.0
60°	1027.9	1029.8	1011.1	1012.4	1024.0
62.5°	905.4	908.0	889.3	884.8	895.1
65°	781.7	784.9	766.2	757.9	765.6
67.5°	658.6	662.5	645.1	634.8	636.7
70°	538.7	542.0	526.5	516.8	514.3
72.5°	424.7	427.9	415.7	406.0	401.5
75°	320.9	323.5	313.8	306.8	301.0
77.5°	230.7	232.6	224.9	219.8	214.0
80°	154.0	154.7	149.5	146.3	141.1
82.5°	92.2	92.8	89.6	88.3	84.4
85°	45.8	46.4	45.1	45.1	41.9
87.5°	16.1	15.5	16.1	16.1	14.2
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)