

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: P506491

Luminaire Tested: **22PD-80-PL1-L940**

Issue Date: 3/26/2021



**Test Information**

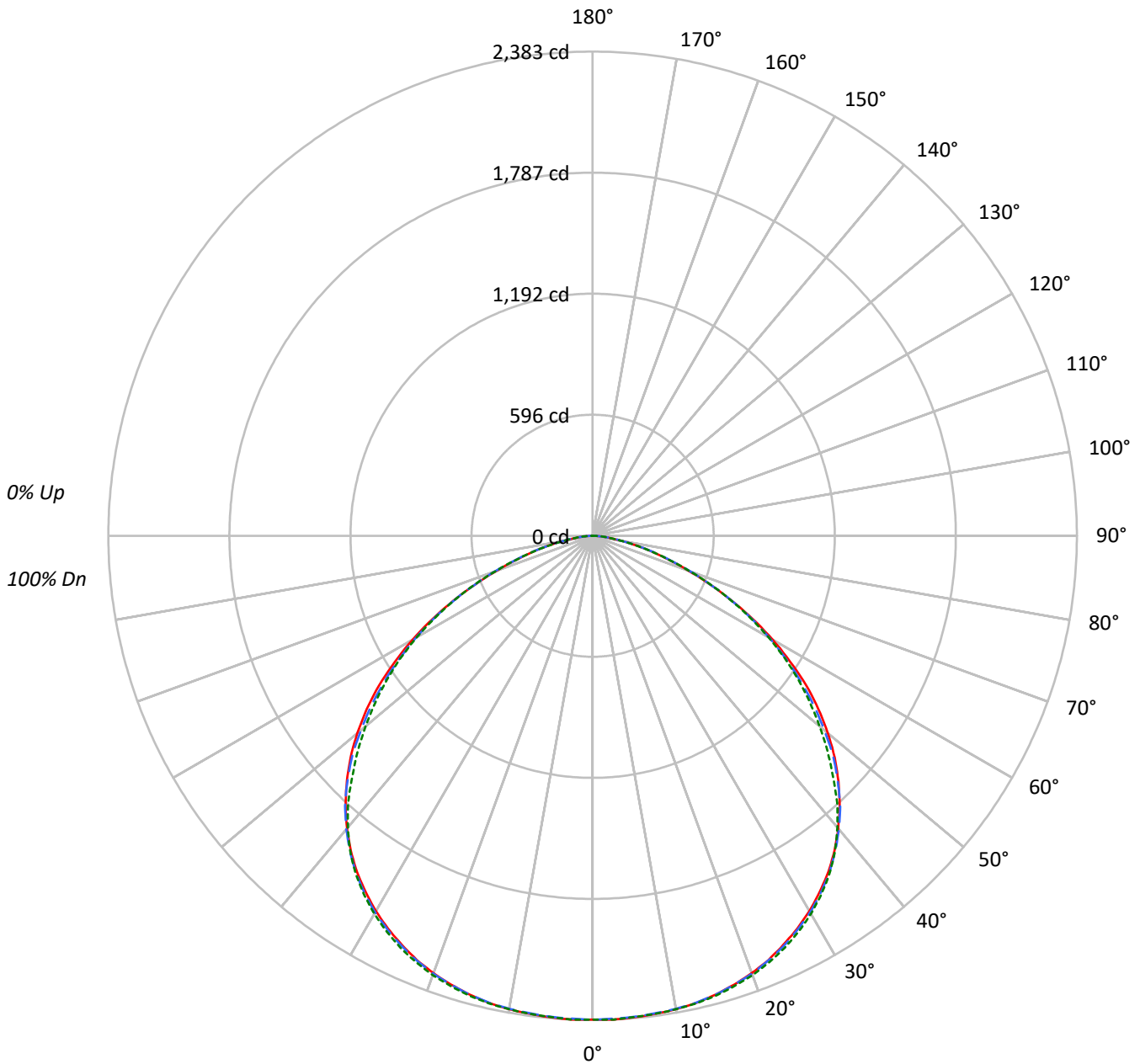
Test Method: LM-79-08  
Report Number: P506491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PL1-L940  
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6745.5 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 73.4  
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	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6409	6409	6409
5°	6426	6420	6422
10°	6466	6459	6466
15°	6513	6513	6527
20°	6560	6568	6589
25°	6595	6611	6643
30°	6629	6650	6676
35°	6639	6661	6675
40°	6604	6622	6581
45°	6510	6491	6360
50°	6326	6228	6101
55°	6019	5866	5799
60°	5511	5407	5375
65°	4805	4795	4779
70°	3939	4005	3991
75°	3121	3173	3121
80°	2287	2273	2261
85°	1528	1501	1606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.4	3.4
10°-20°	660.8	9.8
20°-30°	1027.1	15.2
30°-40°	1266.2	18.8
40°-50°	1307.9	19.4
50°-60°	1119.1	16.6
60°-70°	746.9	11.1
70°-80°	327.7	4.9
80°-90°	63.4	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°	1914.3	28.4
0°-40°	3180.5	47.2
0°-60°	5607.5	83.1
0°-90°	6745.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6745.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2379	2376	2376	2375	2377	227
15°	2338	2335	2338	2340	2343	661
25°	2221	2221	2226	2233	2237	1025
35°	2021	2021	2028	2032	2032	1263
45°	1711	1710	1706	1690	1671	1317
55°	1283	1267	1250	1244	1236	1140
65°	755	753	753	756	750	749
75°	300	298	305	304	300	325
85°	50	49	49	50	52	64
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2381.5	2381.5	2381.5	2381.5	2381.5
2.5°	2383.2	2379.8	2379.0	2379.0	2383.2
5°	2379.0	2375.6	2376.5	2374.8	2377.3
7.5°	2373.1	2369.8	2370.6	2369.8	2373.1
10°	2366.4	2363.0	2363.9	2363.0	2366.4
12.5°	2354.7	2352.1	2353.8	2354.7	2357.2
15°	2337.9	2335.4	2337.9	2339.6	2342.9
17.5°	2316.1	2314.4	2316.9	2319.4	2323.6
20°	2290.9	2289.3	2293.4	2296.0	2301.0
22.5°	2259.9	2258.2	2262.4	2268.3	2271.6
25°	2221.3	2221.3	2226.4	2233.1	2237.3
27.5°	2180.2	2179.4	2185.3	2192.0	2196.2
30°	2133.3	2131.6	2140.0	2145.9	2148.4
32.5°	2078.8	2079.6	2087.2	2093.0	2093.9
35°	2020.9	2020.9	2027.6	2031.8	2031.8
37.5°	1954.7	1953.8	1960.5	1962.2	1959.7
40°	1880.0	1880.9	1885.1	1884.2	1873.3
42.5°	1799.5	1800.4	1803.7	1792.0	1781.1
45°	1710.7	1709.8	1705.6	1689.7	1671.2
47.5°	1615.9	1611.7	1605.0	1580.7	1567.3
50°	1511.1	1504.4	1487.6	1468.3	1457.4
52.5°	1400.4	1388.6	1371.9	1356.8	1347.6
55°	1283.0	1267.1	1250.3	1243.6	1236.0
57.5°	1152.2	1142.1	1127.9	1124.5	1119.5
60°	1023.9	1013.0	1004.6	1004.6	998.7
62.5°	889.7	883.0	879.6	881.3	875.5
65°	754.7	753.0	753.0	755.5	750.5
67.5°	623.9	627.2	626.4	634.8	628.1
70°	500.6	506.5	509.0	517.4	507.3
72.5°	394.1	395.0	398.3	400.8	395.8
75°	300.2	297.7	305.2	303.6	300.2
77.5°	217.2	215.5	218.0	219.7	215.5
80°	147.6	145.9	146.7	149.3	145.9
82.5°	93.1	91.4	91.4	93.9	93.1
85°	49.5	48.6	48.6	50.3	52.0
87.5°	17.6	16.8	17.6	17.6	17.6
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)