

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: P506236

Luminaire Tested: **22PD-30-PW1-L927**

Issue Date: 3/26/2021



**Test Information**

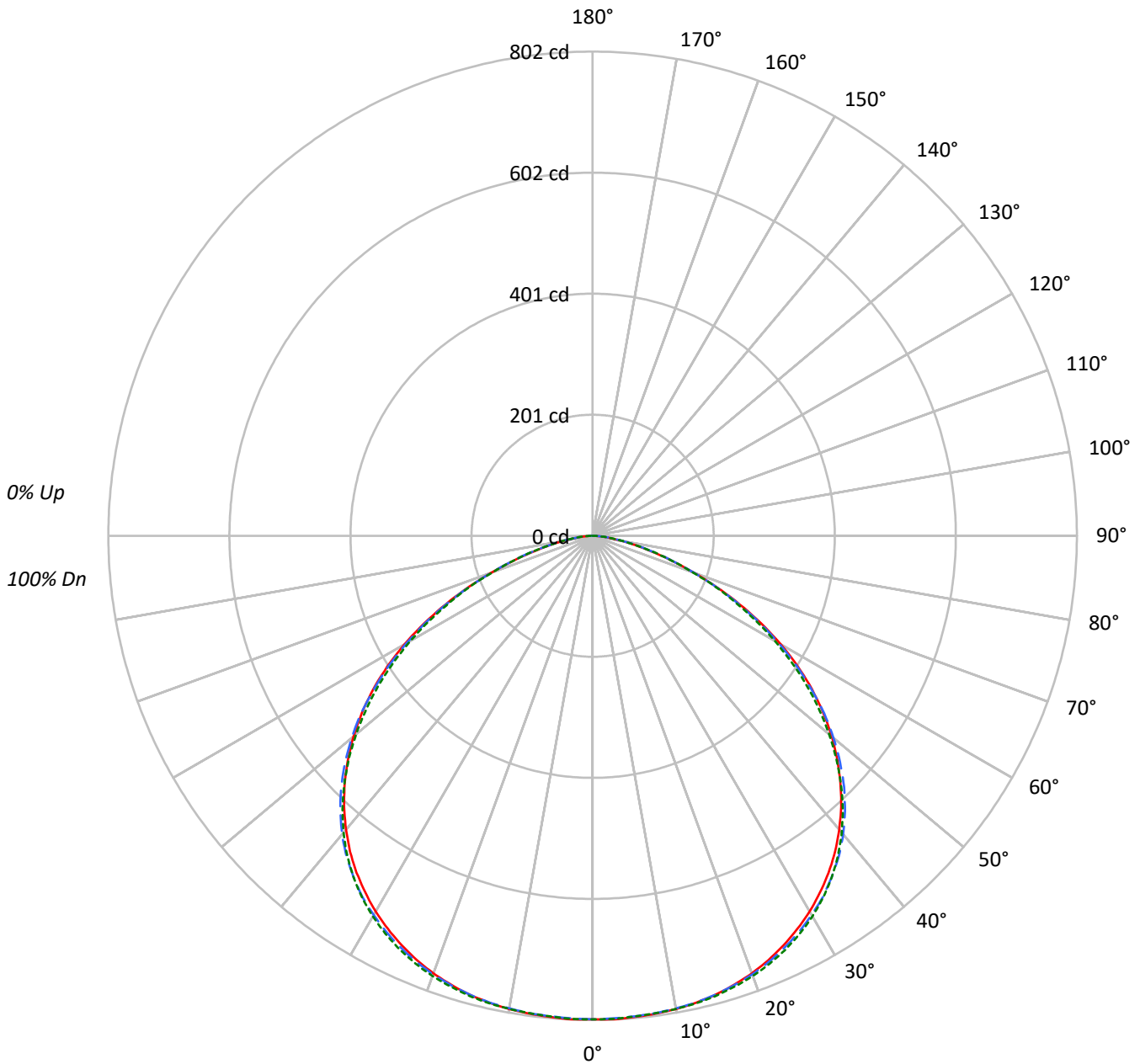
Test Method: LM-79-08  
Report Number: P506236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-30-PW1-L927  
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2315.5 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 24.6  
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	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	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°	2155	2155	2155
5°	2162	2158	2159
10°	2175	2172	2175
15°	2193	2192	2198
20°	2208	2214	2223
25°	2222	2235	2245
30°	2233	2254	2262
35°	2238	2267	2268
40°	2232	2268	2255
45°	2210	2241	2214
50°	2164	2180	2141
55°	2081	2071	2032
60°	1937	1915	1875
65°	1708	1692	1659
70°	1399	1405	1376
75°	1059	1096	1087
80°	767	798	786
85°	503	522	556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.2	3.3
10°-20°	222.5	9.6
20°-30°	346.8	15.0
30°-40°	429.9	18.6
40°-50°	449.8	19.4
50°-60°	392.0	16.9
60°-70°	262.6	11.3
70°-80°	113.8	4.9
80°-90°	21.9	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°	645.5	27.9
0°-40°	1075.3	46.4
0°-60°	1917.1	82.8
0°-90°	2315.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2315.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	800	799	799	799	799	76
15°	787	786	787	788	789	222
25°	748	749	753	755	756	345
35°	681	684	690	691	690	426
45°	581	584	589	584	582	447
55°	444	443	441	437	433	395
65°	268	267	266	263	260	265
75°	102	104	105	104	104	112
85°	16	18	17	17	18	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	801.0	801.0	801.0	801.0	801.0
2.5°	801.9	800.4	800.2	800.2	801.0
5°	800.2	799.3	799.0	798.7	799.3
7.5°	798.4	797.3	797.6	797.0	797.6
10°	796.1	795.0	795.0	795.0	795.9
12.5°	792.1	791.3	791.6	792.1	793.3
15°	787.0	785.8	786.7	787.6	789.0
17.5°	779.8	779.0	780.4	781.8	783.0
20°	771.2	770.4	773.0	775.0	776.1
22.5°	760.7	760.4	763.8	766.1	766.9
25°	748.3	748.6	752.6	754.9	756.1
27.5°	734.3	734.9	740.0	742.0	743.2
30°	718.6	720.0	725.4	727.2	728.0
32.5°	700.8	702.8	709.4	710.6	710.6
35°	681.4	683.9	690.2	691.1	690.5
37.5°	659.6	662.5	669.6	668.5	667.6
40°	635.3	638.4	645.6	643.3	641.8
42.5°	609.2	612.4	618.7	615.2	613.2
45°	580.6	583.7	588.9	584.0	581.7
47.5°	549.7	553.4	556.0	550.5	547.7
50°	517.0	518.2	520.7	514.4	511.3
52.5°	481.5	481.5	483.5	476.7	472.9
55°	443.5	443.2	441.4	436.6	433.1
57.5°	403.1	401.4	400.2	395.1	391.1
60°	359.9	357.3	355.8	351.6	348.4
62.5°	314.6	313.2	311.5	308.0	304.6
65°	268.2	266.8	265.7	263.1	260.5
67.5°	222.2	221.3	221.3	219.6	219.3
70°	177.8	178.4	178.6	178.6	174.9
72.5°	137.7	138.0	139.4	138.3	138.0
75°	101.9	103.6	105.4	104.5	104.5
77.5°	73.3	75.9	75.9	75.3	74.4
80°	49.5	50.7	51.5	51.2	50.7
82.5°	31.5	32.3	31.5	32.1	32.3
85°	16.3	17.5	16.9	17.2	18.0
87.5°	5.4	6.0	6.3	6.0	6.0
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)