

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: P506240

Luminaire Tested: **22PD-30-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506240
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-L950
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

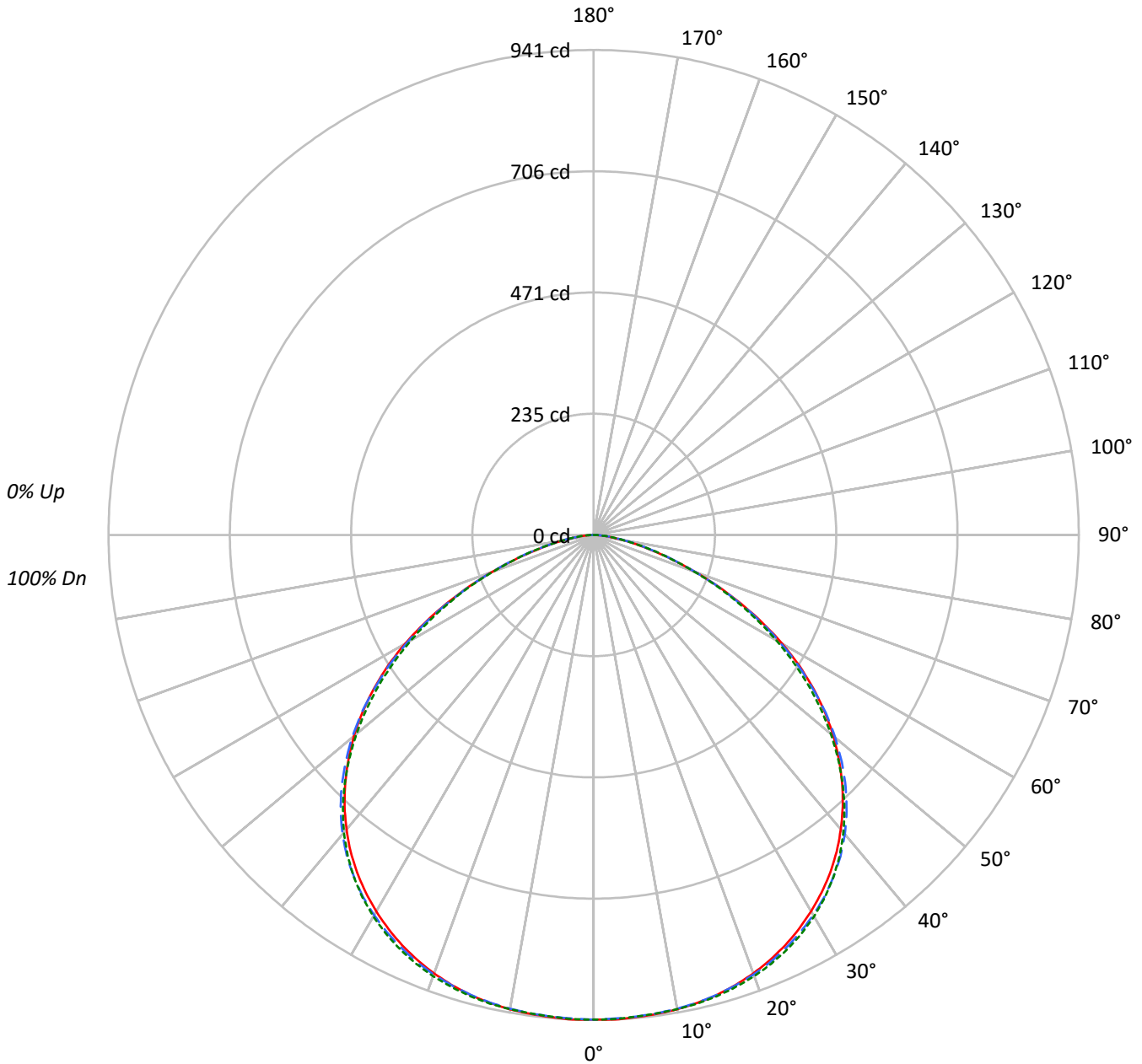
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2718.5 lumens
Efficiency: N/A
Efficacy: 110.5 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_{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					20					
RC	80					70					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	83	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°	2531	2531	2531
5°	2538	2534	2535
10°	2554	2551	2553
15°	2574	2573	2581
20°	2593	2599	2609
25°	2609	2624	2636
30°	2621	2646	2656
35°	2628	2662	2663
40°	2620	2662	2647
45°	2594	2631	2599
50°	2541	2560	2513
55°	2442	2432	2386
60°	2274	2249	2201
65°	2005	1986	1948
70°	1642	1650	1616
75°	1245	1286	1276
80°	900	938	922
85°	593	611	655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	3.3
10°-20°	261.2	9.6
20°-30°	407.2	15.0
30°-40°	504.7	18.6
40°-50°	528.1	19.4
50°-60°	460.2	16.9
60°-70°	308.3	11.3
70°-80°	133.6	4.9
80°-90°	25.7	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°	757.8	27.9
0°-40°	1262.5	46.4
0°-60°	2250.8	82.8
0°-90°	2718.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2718.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	939	938	938	938	938	90
15°	924	923	924	925	926	261
25°	879	879	884	886	888	405
35°	800	803	810	811	811	500
45°	682	685	691	686	683	525
55°	521	520	518	513	508	464
65°	315	313	312	309	306	311
75°	120	122	124	123	123	132
85°	19	20	20	20	21	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	940.4	940.4	940.4	940.4	940.4
2.5°	941.4	939.8	939.4	939.4	940.4
5°	939.4	938.4	938.1	937.7	938.4
7.5°	937.4	936.1	936.4	935.7	936.4
10°	934.7	933.4	933.4	933.4	934.4
12.5°	930.0	929.0	929.3	930.0	931.4
15°	924.0	922.6	923.6	924.6	926.3
17.5°	915.6	914.5	916.2	917.9	919.3
20°	905.5	904.5	907.5	909.8	911.2
22.5°	893.0	892.7	896.7	899.4	900.4
25°	878.6	878.9	883.6	886.3	887.7
27.5°	862.1	862.8	868.8	871.2	872.5
30°	843.6	845.3	851.7	853.7	854.7
32.5°	822.8	825.1	832.9	834.2	834.2
35°	799.9	803.0	810.4	811.4	810.7
37.5°	774.4	777.8	786.2	784.8	783.8
40°	745.8	749.5	757.9	755.2	753.6
42.5°	715.2	718.9	726.3	722.3	719.9
45°	681.6	685.3	691.4	685.7	683.0
47.5°	645.3	649.7	652.7	646.3	643.0
50°	607.0	608.4	611.4	604.0	600.3
52.5°	565.3	565.3	567.7	559.6	555.3
55°	520.6	520.3	518.3	512.6	508.5
57.5°	473.2	471.2	469.9	463.8	459.1
60°	422.5	419.5	417.8	412.7	409.0
62.5°	369.4	367.7	365.7	361.7	357.6
65°	314.9	313.3	311.9	308.9	305.9
67.5°	260.8	259.8	259.8	257.8	257.5
70°	208.7	209.4	209.7	209.7	205.4
72.5°	161.7	162.0	163.7	162.3	162.0
75°	119.7	121.7	123.7	122.7	122.7
77.5°	86.0	89.1	89.1	88.4	87.4
80°	58.1	59.5	60.5	60.2	59.5
82.5°	37.0	38.0	37.0	37.6	38.0
85°	19.2	20.5	19.8	20.2	21.2
87.5°	6.4	7.1	7.4	7.1	7.1
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)