

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: P506222

Luminaire Tested: **22PD-30-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506222
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-30-PL1-L950
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

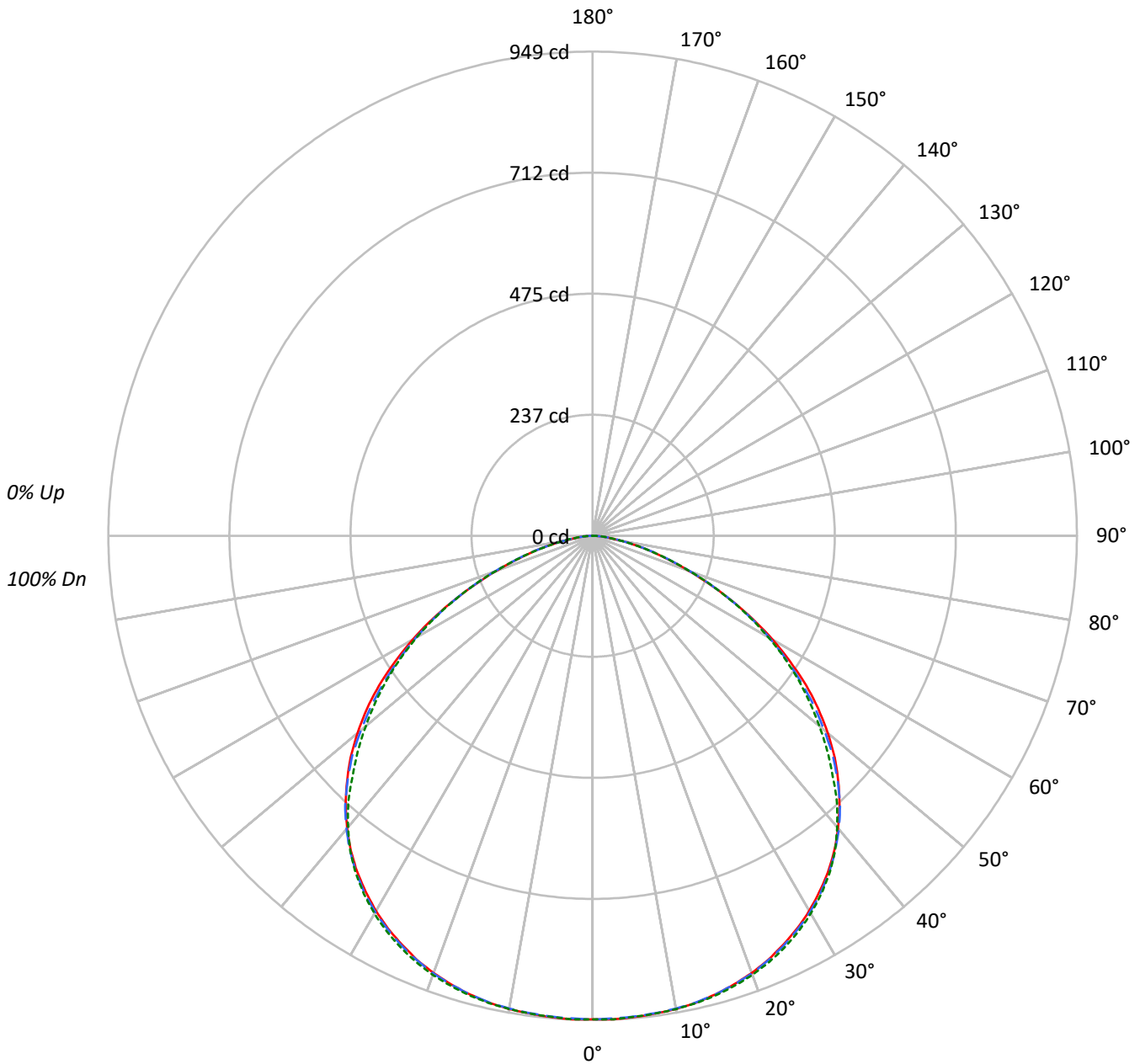
Lumens per Lamp: N/A
Luminaire Lumens: 2684.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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									
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°	2551	2551	2551
5°	2558	2555	2556
10°	2574	2571	2574
15°	2592	2592	2598
20°	2611	2614	2623
25°	2625	2631	2644
30°	2638	2647	2657
35°	2643	2651	2657
40°	2629	2636	2619
45°	2591	2584	2531
50°	2518	2479	2429
55°	2396	2335	2308
60°	2193	2152	2139
65°	1913	1908	1902
70°	1568	1594	1589
75°	1242	1263	1242
80°	910	905	900
85°	608	599	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.4
10°-20°	263.0	9.8
20°-30°	408.8	15.2
30°-40°	504.0	18.8
40°-50°	520.6	19.4
50°-60°	445.4	16.6
60°-70°	297.3	11.1
70°-80°	130.4	4.9
80°-90°	25.2	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°	762.0	28.4
0°-40°	1265.9	47.2
0°-60°	2231.9	83.1
0°-90°	2684.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	947	946	946	945	946	90
15°	930	930	930	931	932	263
25°	884	884	886	889	890	408
35°	804	804	807	809	809	503
45°	681	681	679	672	665	524
55°	511	504	498	495	492	454
65°	300	300	300	301	299	298
75°	120	118	122	121	120	130
85°	20	19	19	20	21	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.9	947.9	947.9	947.9	947.9
2.5°	948.6	947.2	946.9	946.9	948.6
5°	946.9	945.6	945.9	945.2	946.2
7.5°	944.6	943.2	943.6	943.2	944.6
10°	941.9	940.6	940.9	940.6	941.9
12.5°	937.2	936.2	936.9	937.2	938.2
15°	930.5	929.5	930.5	931.2	932.5
17.5°	921.9	921.2	922.2	923.2	924.9
20°	911.9	911.2	912.9	913.9	915.9
22.5°	899.5	898.8	900.5	902.8	904.2
25°	884.2	884.2	886.2	888.8	890.5
27.5°	867.8	867.5	869.8	872.5	874.1
30°	849.1	848.4	851.8	854.1	855.1
32.5°	827.4	827.7	830.8	833.1	833.4
35°	804.4	804.4	807.1	808.7	808.7
37.5°	778.0	777.7	780.4	781.0	780.0
40°	748.3	748.6	750.3	750.0	745.6
42.5°	716.3	716.6	717.9	713.3	708.9
45°	680.9	680.6	678.9	672.5	665.2
47.5°	643.2	641.5	638.8	629.2	623.8
50°	601.5	598.8	592.1	584.4	580.1
52.5°	557.4	552.7	546.0	540.0	536.4
55°	510.7	504.3	497.6	495.0	492.0
57.5°	458.6	454.6	448.9	447.6	445.6
60°	407.5	403.2	399.9	399.9	397.5
62.5°	354.1	351.5	350.1	350.8	348.5
65°	300.4	299.7	299.7	300.7	298.7
67.5°	248.3	249.7	249.3	252.7	250.0
70°	199.3	201.6	202.6	205.9	201.9
72.5°	156.9	157.2	158.5	159.5	157.5
75°	119.5	118.5	121.5	120.8	119.5
77.5°	86.4	85.8	86.8	87.4	85.8
80°	58.7	58.1	58.4	59.4	58.1
82.5°	37.0	36.4	36.4	37.4	37.0
85°	19.7	19.4	19.4	20.0	20.7
87.5°	7.0	6.7	7.0	7.0	7.0
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)