

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: P506221

Luminaire Tested: **22PD-30-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506221
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-L940
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

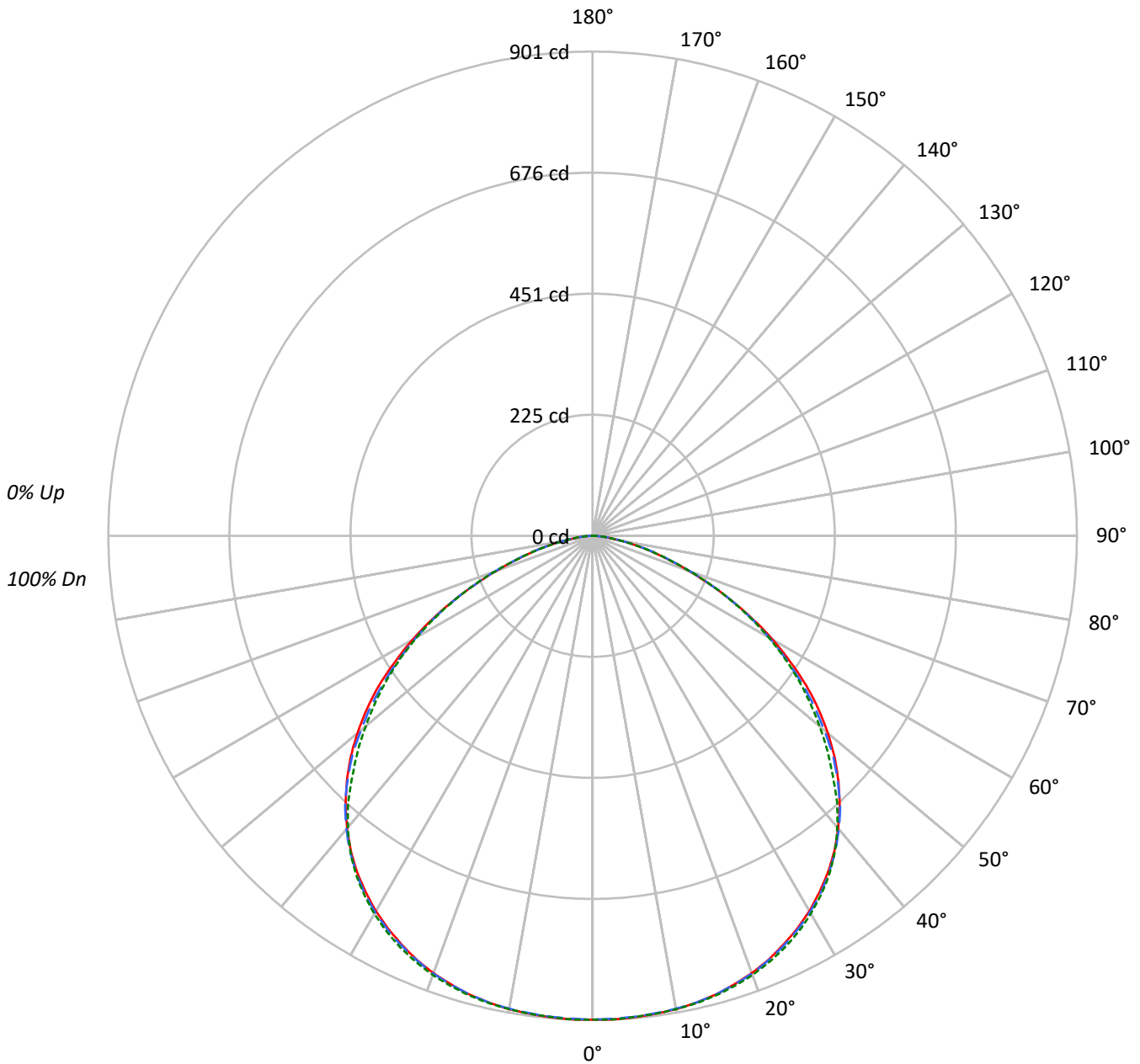
Lumens per Lamp: N/A
Luminaire Lumens: 2549.9 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	63	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°	2422	2422	2422
5°	2429	2427	2428
10°	2444	2442	2444
15°	2462	2462	2467
20°	2480	2483	2491
25°	2493	2499	2511
30°	2506	2514	2523
35°	2509	2518	2523
40°	2497	2503	2488
45°	2461	2454	2404
50°	2391	2354	2306
55°	2275	2217	2192
60°	2083	2044	2032
65°	1817	1813	1806
70°	1489	1514	1509
75°	1180	1200	1180
80°	865	860	855
85°	577	568	608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	3.4
10°-20°	249.8	9.8
20°-30°	388.3	15.2
30°-40°	478.6	18.8
40°-50°	494.4	19.4
50°-60°	423.0	16.6
60°-70°	282.3	11.1
70°-80°	123.9	4.9
80°-90°	24.0	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°	723.7	28.4
0°-40°	1202.3	47.1
0°-60°	2119.7	83.1
0°-90°	2549.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2549.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	899	898	898	898	899	86
15°	884	883	884	884	886	250
25°	840	840	842	844	846	387
35°	764	764	766	768	768	477
45°	647	646	645	639	632	498
55°	485	479	473	470	467	431
65°	285	285	285	286	284	283
75°	114	112	115	115	114	123
85°	19	18	18	19	20	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	900.2	900.2	900.2	900.2	900.2
2.5°	900.9	899.6	899.3	899.3	900.9
5°	899.3	898.0	898.3	897.7	898.7
7.5°	897.1	895.8	896.1	895.8	897.1
10°	894.5	893.3	893.6	893.3	894.5
12.5°	890.1	889.2	889.8	890.1	891.1
15°	883.8	882.8	883.8	884.4	885.7
17.5°	875.5	874.9	875.8	876.8	878.4
20°	866.0	865.4	867.0	867.9	869.8
22.5°	854.3	853.6	855.2	857.5	858.7
25°	839.7	839.7	841.6	844.1	845.7
27.5°	824.2	823.9	826.1	828.6	830.2
30°	806.4	805.8	809.0	811.2	812.1
32.5°	785.8	786.1	789.0	791.2	791.5
35°	763.9	763.9	766.5	768.1	768.1
37.5°	738.9	738.6	741.1	741.8	740.8
40°	710.7	711.0	712.6	712.3	708.2
42.5°	680.3	680.6	681.8	677.4	673.3
45°	646.7	646.3	644.8	638.7	631.8
47.5°	610.8	609.3	606.7	597.5	592.4
50°	571.2	568.7	562.3	555.0	550.9
52.5°	529.4	524.9	518.6	512.9	509.4
55°	485.0	479.0	472.6	470.1	467.2
57.5°	435.5	431.7	426.3	425.1	423.2
60°	387.0	382.9	379.8	379.8	377.5
62.5°	336.3	333.8	332.5	333.2	330.9
65°	285.3	284.7	284.7	285.6	283.7
67.5°	235.8	237.1	236.8	240.0	237.4
70°	189.2	191.5	192.4	195.6	191.8
72.5°	149.0	149.3	150.6	151.5	149.6
75°	113.5	112.5	115.4	114.7	113.5
77.5°	82.1	81.5	82.4	83.1	81.5
80°	55.8	55.2	55.5	56.4	55.2
82.5°	35.2	34.6	34.6	35.5	35.2
85°	18.7	18.4	18.4	19.0	19.7
87.5°	6.7	6.3	6.7	6.7	6.7
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)