

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: P506235

Luminaire Tested: **22PD-30-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506235
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-L850
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

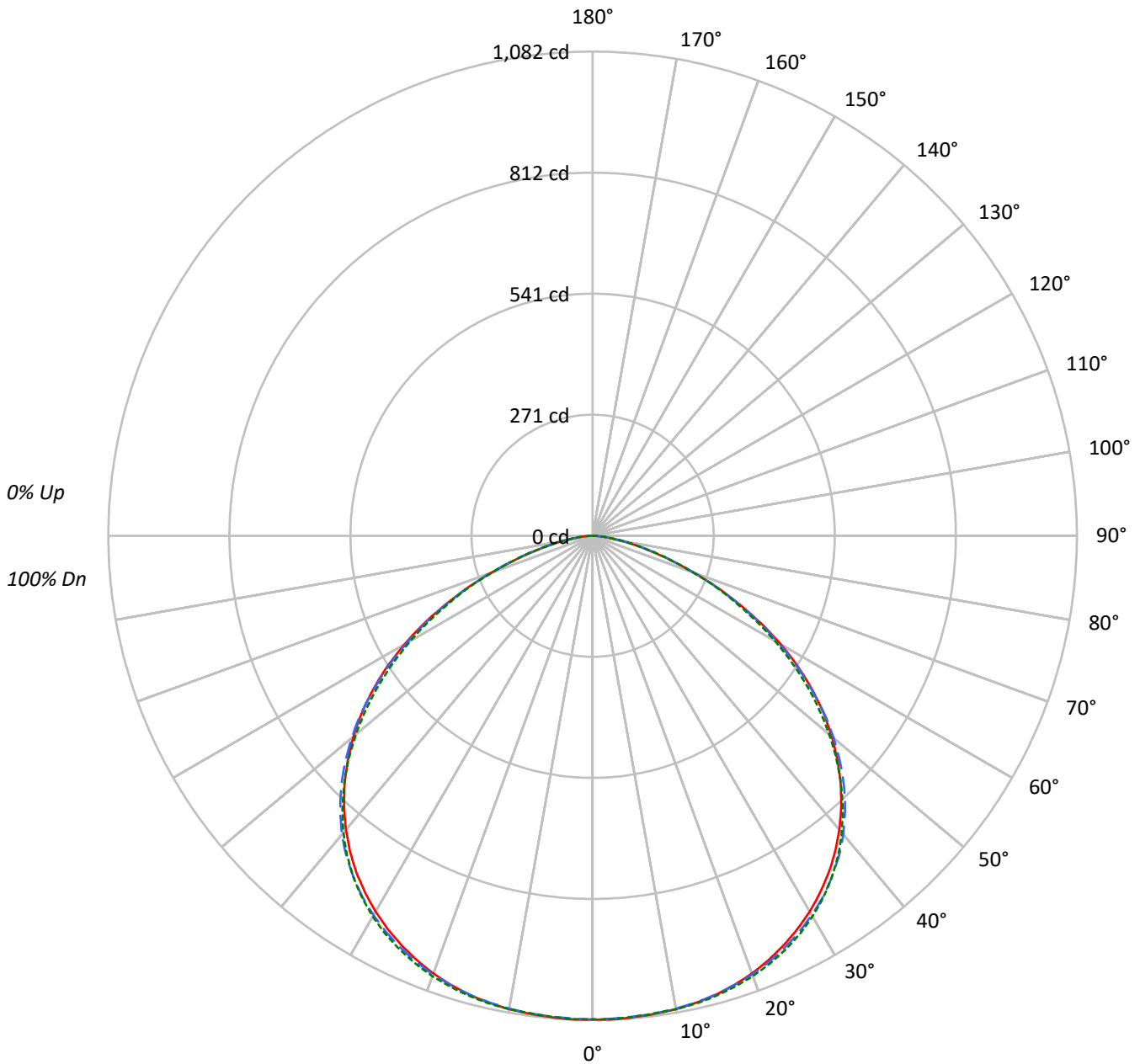
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3124.5 lumens
Efficiency: N/A
Efficacy: 127.0 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



0% Up
100% Dn



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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°	2909	2909	2909
5°	2917	2912	2914
10°	2936	2931	2934
15°	2959	2958	2966
20°	2980	2987	2999
25°	2998	3015	3029
30°	3013	3042	3053
35°	3020	3060	3061
40°	3011	3060	3042
45°	2981	3024	2987
50°	2921	2942	2888
55°	2807	2795	2742
60°	2613	2584	2530
65°	2305	2283	2238
70°	1888	1897	1857
75°	1430	1478	1466
80°	1035	1077	1060
85°	679	704	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	3.3
10°-20°	300.2	9.6
20°-30°	468.0	15.0
30°-40°	580.1	18.6
40°-50°	607.0	19.4
50°-60°	528.9	16.9
60°-70°	354.3	11.3
70°-80°	153.6	4.9
80°-90°	29.6	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°	871.0	27.9
0°-40°	1451.1	46.4
0°-60°	2587.0	82.8
0°-90°	3124.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3124.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1081	1081	1081	1081	1081	
5°	1080	1079	1078	1078	1079	103
15°	1062	1060	1062	1063	1065	300
25°	1010	1010	1016	1019	1020	466
35°	919	923	931	932	932	575
45°	783	788	795	788	785	603
55°	598	598	596	589	584	533
65°	362	360	358	355	352	358
75°	138	140	142	141	141	152
85°	22	24	23	23	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1080.9	1080.9	1080.9	1080.9	1080.9
2.5°	1082.0	1080.1	1079.7	1079.7	1080.9
5°	1079.7	1078.6	1078.2	1077.8	1078.6
7.5°	1077.4	1075.9	1076.3	1075.5	1076.3
10°	1074.3	1072.8	1072.8	1072.8	1073.9
12.5°	1068.9	1067.8	1068.1	1068.9	1070.5
15°	1062.0	1060.4	1061.6	1062.7	1064.7
17.5°	1052.3	1051.1	1053.1	1055.0	1056.5
20°	1040.7	1039.6	1043.0	1045.7	1047.3
22.5°	1026.4	1026.0	1030.7	1033.8	1034.9
25°	1009.8	1010.2	1015.6	1018.7	1020.2
27.5°	990.9	991.6	998.6	1001.3	1002.9
30°	969.6	971.6	978.9	981.2	982.4
32.5°	945.7	948.4	957.3	958.8	958.8
35°	919.4	922.9	931.4	932.5	931.8
37.5°	890.1	893.9	903.6	902.0	900.9
40°	857.2	861.5	871.1	868.0	866.1
42.5°	822.1	826.3	834.8	830.2	827.5
45°	783.4	787.7	794.6	788.1	785.0
47.5°	741.7	746.7	750.2	742.9	739.0
50°	697.7	699.2	702.7	694.2	689.9
52.5°	649.8	649.8	652.5	643.2	638.2
55°	598.4	598.0	595.7	589.1	584.5
57.5°	543.9	541.6	540.1	533.1	527.7
60°	485.6	482.1	480.2	474.4	470.1
62.5°	424.6	422.6	420.3	415.7	411.0
65°	362.0	360.0	358.5	355.0	351.5
67.5°	299.8	298.6	298.6	296.3	295.9
70°	239.9	240.7	241.1	241.1	236.0
72.5°	185.8	186.2	188.1	186.6	186.2
75°	137.5	139.8	142.2	141.0	141.0
77.5°	98.9	102.4	102.4	101.6	100.4
80°	66.8	68.4	69.5	69.1	68.4
82.5°	42.5	43.7	42.5	43.3	43.7
85°	22.0	23.6	22.8	23.2	24.3
87.5°	7.3	8.1	8.5	8.1	8.1
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)