

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: P506216

Luminaire Tested: **22PD-30-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506216
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-L840
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

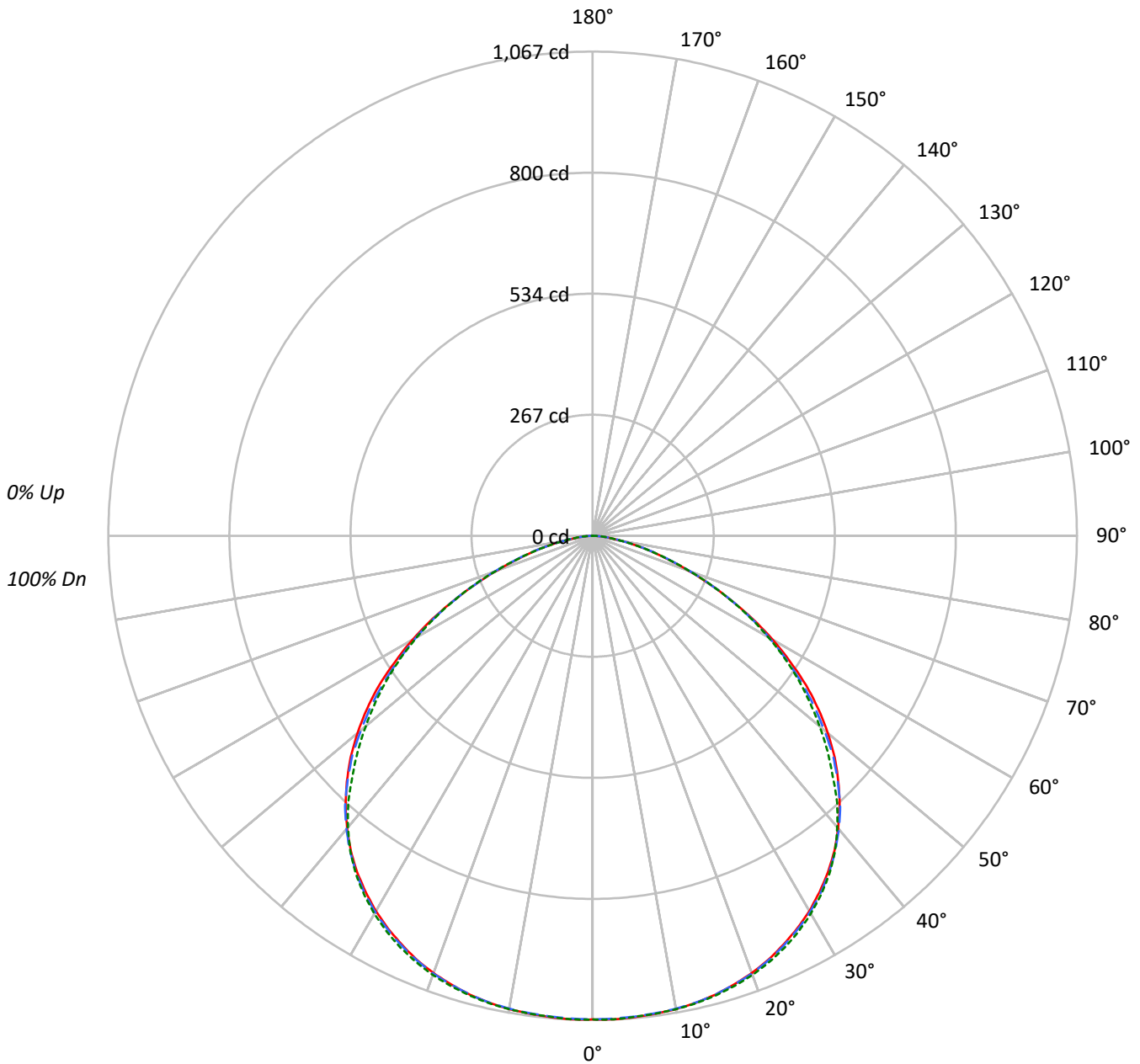
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3019.4 lumens
Efficiency: N/A
Efficacy: 122.7 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	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°	2869	2869	2869
5°	2877	2873	2874
10°	2894	2891	2894
15°	2915	2915	2922
20°	2937	2940	2950
25°	2952	2959	2973
30°	2967	2976	2988
35°	2972	2982	2988
40°	2956	2964	2946
45°	2914	2906	2847
50°	2832	2788	2731
55°	2694	2625	2596
60°	2467	2420	2406
65°	2151	2146	2139
70°	1763	1792	1787
75°	1397	1420	1397
80°	1024	1018	1012
85°	682	673	719



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	3.4
10°-20°	295.8	9.8
20°-30°	459.7	15.2
30°-40°	566.8	18.8
40°-50°	585.4	19.4
50°-60°	500.9	16.6
60°-70°	334.3	11.1
70°-80°	146.7	4.9
80°-90°	28.4	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°	856.9	28.4
0°-40°	1423.6	47.2
0°-60°	2510.0	83.1
0°-90°	3019.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3019.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1066	1066	1066	1066	1066	
5°	1065	1063	1064	1063	1064	101
15°	1046	1045	1046	1047	1049	296
25°	994	994	997	1000	1001	459
35°	905	905	908	910	910	565
45°	766	765	764	756	748	589
55°	574	567	560	557	553	510
65°	338	337	337	338	336	335
75°	134	133	137	136	134	146
85°	22	22	22	22	23	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1066.0	1066.0	1066.0	1066.0	1066.0
2.5°	1066.7	1065.2	1064.9	1064.9	1066.7
5°	1064.9	1063.4	1063.7	1063.0	1064.1
7.5°	1062.2	1060.7	1061.1	1060.7	1062.2
10°	1059.2	1057.7	1058.1	1057.7	1059.2
12.5°	1054.0	1052.9	1053.6	1054.0	1055.1
15°	1046.5	1045.4	1046.5	1047.2	1048.7
17.5°	1036.7	1036.0	1037.1	1038.2	1040.1
20°	1025.5	1024.7	1026.6	1027.7	1030.0
22.5°	1011.6	1010.8	1012.7	1015.3	1016.8
25°	994.3	994.3	996.6	999.6	1001.4
27.5°	975.9	975.5	978.2	981.2	983.0
30°	954.9	954.1	957.9	960.5	961.6
32.5°	930.5	930.9	934.2	936.9	937.3
35°	904.6	904.6	907.6	909.5	909.5
37.5°	874.9	874.6	877.6	878.3	877.2
40°	841.5	841.9	843.8	843.4	838.5
42.5°	805.5	805.9	807.4	802.1	797.2
45°	765.7	765.3	763.5	756.3	748.1
47.5°	723.3	721.4	718.4	707.5	701.5
50°	676.4	673.4	665.9	657.2	652.4
52.5°	626.8	621.6	614.1	607.3	603.2
55°	574.3	567.2	559.6	556.6	553.3
57.5°	515.7	511.2	504.8	503.3	501.1
60°	458.3	453.4	449.7	449.7	447.0
62.5°	398.2	395.2	393.7	394.5	391.9
65°	337.8	337.1	337.1	338.2	335.9
67.5°	279.3	280.8	280.4	284.1	281.1
70°	224.1	226.7	227.8	231.6	227.1
72.5°	176.4	176.8	178.3	179.4	177.2
75°	134.4	133.2	136.6	135.9	134.4
77.5°	97.2	96.5	97.6	98.3	96.5
80°	66.1	65.3	65.7	66.8	65.3
82.5°	41.7	40.9	40.9	42.0	41.7
85°	22.1	21.8	21.8	22.5	23.3
87.5°	7.9	7.5	7.9	7.9	7.9
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)