

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: P506215

Luminaire Tested: **22PD-30-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506215
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-L835
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

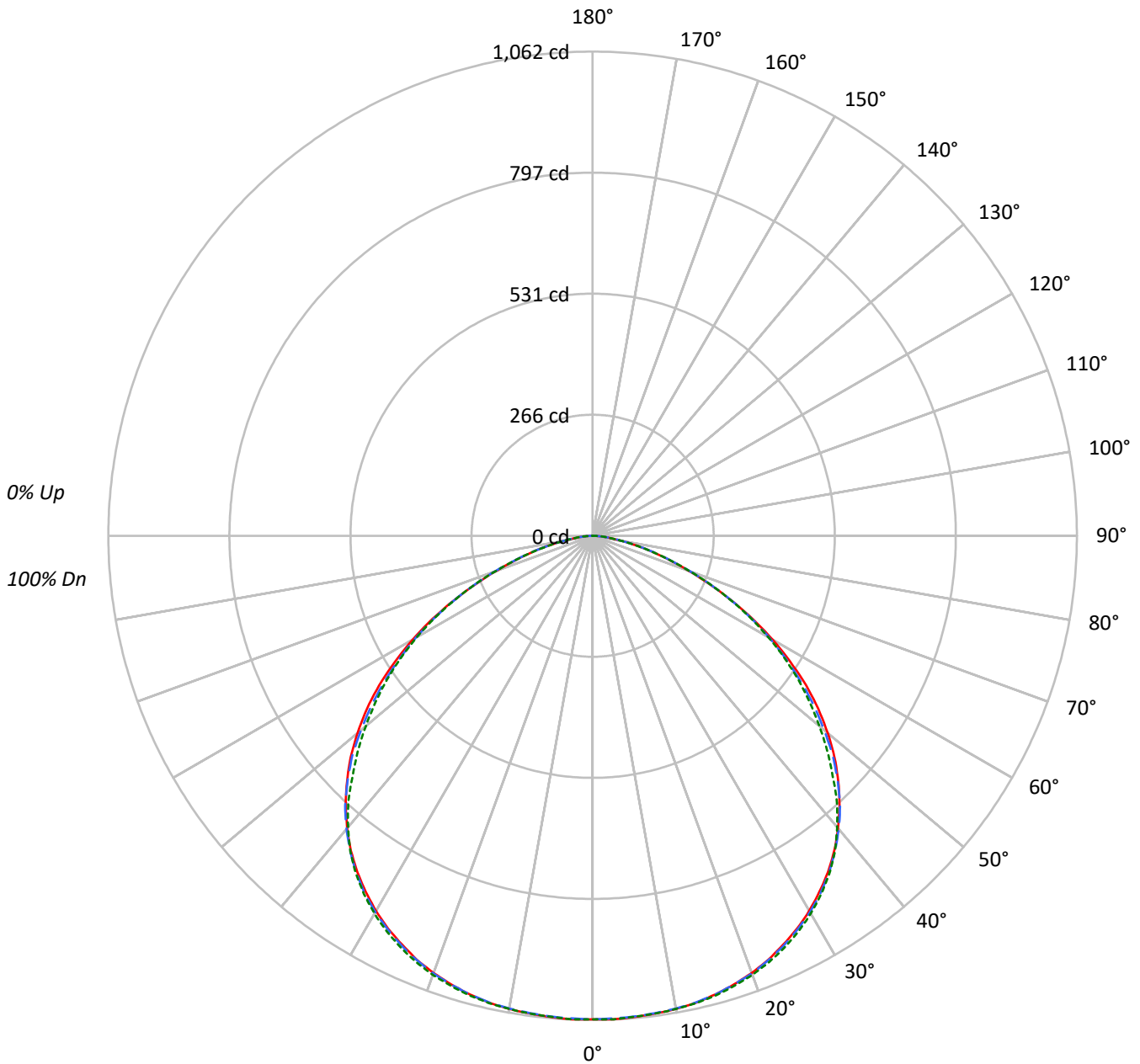
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3004.5 lumens
Efficiency: N/A
Efficacy: 122.1 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				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	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°	2854	2854	2854
5°	2862	2859	2860
10°	2880	2877	2880
15°	2901	2901	2907
20°	2922	2925	2935
25°	2938	2944	2959
30°	2953	2962	2973
35°	2957	2967	2973
40°	2942	2949	2931
45°	2900	2891	2833
50°	2817	2774	2717
55°	2681	2613	2583
60°	2454	2408	2394
65°	2141	2136	2129
70°	1755	1784	1778
75°	1390	1414	1390
80°	1018	1013	1007
85°	679	670	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	3.4
10°-20°	294.3	9.8
20°-30°	457.5	15.2
30°-40°	564.0	18.8
40°-50°	582.5	19.4
50°-60°	498.5	16.6
60°-70°	332.7	11.1
70°-80°	146.0	4.9
80°-90°	28.2	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°	852.7	28.4
0°-40°	1416.6	47.2
0°-60°	2497.6	83.1
0°-90°	3004.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3004.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1060	1058	1058	1058	1059	101
15°	1041	1040	1041	1042	1044	294
25°	989	989	992	995	996	456
35°	900	900	903	905	905	563
45°	762	762	760	753	744	587
55°	572	564	557	554	550	508
65°	336	335	335	336	334	334
75°	134	133	136	135	134	145
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°	1060.7	1060.7	1060.7	1060.7	1060.7
2.5°	1061.5	1060.0	1059.6	1059.6	1061.5
5°	1059.6	1058.1	1058.5	1057.8	1058.9
7.5°	1057.0	1055.5	1055.9	1055.5	1057.0
10°	1054.0	1052.5	1052.9	1052.5	1054.0
12.5°	1048.8	1047.7	1048.4	1048.8	1049.9
15°	1041.3	1040.2	1041.3	1042.1	1043.6
17.5°	1031.6	1030.9	1032.0	1033.1	1035.0
20°	1020.4	1019.7	1021.5	1022.6	1024.9
22.5°	1006.6	1005.8	1007.7	1010.3	1011.8
25°	989.4	989.4	991.6	994.6	996.5
27.5°	971.1	970.7	973.3	976.3	978.2
30°	950.2	949.4	953.2	955.8	956.9
32.5°	925.9	926.3	929.6	932.3	932.6
35°	900.1	900.1	903.1	905.0	905.0
37.5°	870.6	870.3	873.2	874.0	872.9
40°	837.4	837.8	839.6	839.3	834.4
42.5°	801.5	801.9	803.4	798.2	793.3
45°	761.9	761.6	759.7	752.6	744.4
47.5°	719.7	717.9	714.9	704.0	698.1
50°	673.0	670.1	662.6	654.0	649.1
52.5°	623.7	618.5	611.0	604.3	600.2
55°	571.5	564.4	556.9	553.9	550.5
57.5°	513.2	508.7	502.4	500.9	498.6
60°	456.0	451.2	447.5	447.5	444.8
62.5°	396.3	393.3	391.8	392.5	389.9
65°	336.2	335.4	335.4	336.5	334.3
67.5°	277.9	279.4	279.0	282.7	279.8
70°	223.0	225.6	226.7	230.4	226.0
72.5°	175.5	175.9	177.4	178.5	176.3
75°	133.7	132.6	136.0	135.2	133.7
77.5°	96.7	96.0	97.1	97.9	96.0
80°	65.7	65.0	65.4	66.5	65.0
82.5°	41.5	40.7	40.7	41.8	41.5
85°	22.0	21.7	21.7	22.4	23.2
87.5°	7.8	7.5	7.8	7.8	7.8
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)