

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: P506272

Luminaire Tested: **22PD-40-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506272
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-40-PL1-L927
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

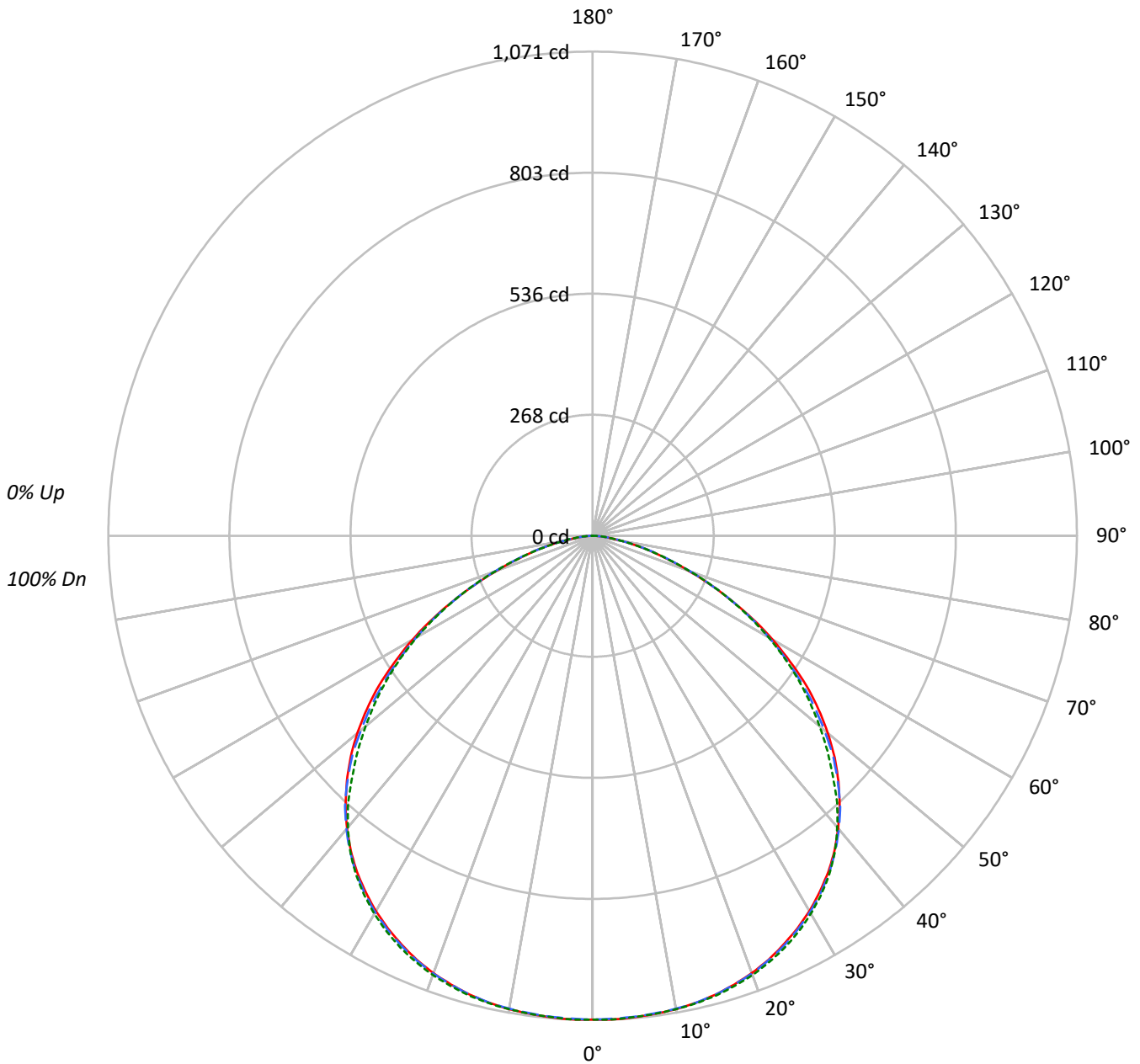
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3031.3 lumens
Efficiency: N/A
Efficacy: 93.0 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): 32.6
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°	2880	2880	2880
5°	2888	2885	2886
10°	2906	2903	2906
15°	2927	2927	2933
20°	2948	2951	2961
25°	2964	2971	2985
30°	2979	2988	3000
35°	2984	2993	3000
40°	2968	2976	2957
45°	2925	2917	2858
50°	2843	2799	2742
55°	2705	2636	2606
60°	2476	2429	2415
65°	2159	2155	2148
70°	1770	1799	1794
75°	1403	1426	1403
80°	1027	1021	1017
85°	685	676	722



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	3.4
10°-20°	297.0	9.8
20°-30°	461.6	15.2
30°-40°	569.0	18.8
40°-50°	587.7	19.4
50°-60°	502.9	16.6
60°-70°	335.6	11.1
70°-80°	147.3	4.9
80°-90°	28.5	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°	860.3	28.4
0°-40°	1429.3	47.2
0°-60°	2519.9	83.1
0°-90°	3031.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3031.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1070	1070	1070	1070	1070	
5°	1069	1068	1068	1067	1068	102
15°	1051	1050	1051	1051	1053	297
25°	998	998	1000	1004	1005	460
35°	908	908	911	913	913	568
45°	769	768	766	759	751	592
55°	577	569	562	559	555	512
65°	339	338	338	340	337	336
75°	135	134	137	136	135	146
85°	22	22	22	23	23	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1070.2	1070.2	1070.2	1070.2	1070.2
2.5°	1071.0	1069.4	1069.1	1069.1	1071.0
5°	1069.1	1067.6	1067.9	1067.2	1068.3
7.5°	1066.4	1064.9	1065.3	1064.9	1066.4
10°	1063.4	1061.9	1062.3	1061.9	1063.4
12.5°	1058.1	1057.0	1057.8	1058.1	1059.3
15°	1050.6	1049.5	1050.6	1051.4	1052.9
17.5°	1040.8	1040.1	1041.2	1042.3	1044.2
20°	1029.5	1028.8	1030.6	1031.8	1034.0
22.5°	1015.6	1014.8	1016.7	1019.3	1020.8
25°	998.2	998.2	1000.5	1003.5	1005.4
27.5°	979.8	979.4	982.0	985.0	986.9
30°	958.7	957.9	961.7	964.3	965.4
32.5°	934.2	934.5	937.9	940.6	940.9
35°	908.2	908.2	911.2	913.1	913.1
37.5°	878.4	878.0	881.0	881.8	880.7
40°	844.9	845.2	847.1	846.7	841.8
42.5°	808.7	809.1	810.6	805.3	800.4
45°	768.7	768.4	766.5	759.3	751.0
47.5°	726.2	724.3	721.3	710.3	704.3
50°	679.1	676.0	668.5	659.8	654.9
52.5°	629.3	624.0	616.5	609.7	605.6
55°	576.6	569.4	561.9	558.8	555.4
57.5°	517.8	513.2	506.8	505.3	503.1
60°	460.1	455.2	451.4	451.4	448.8
62.5°	399.8	396.8	395.3	396.0	393.4
65°	339.1	338.4	338.4	339.5	337.3
67.5°	280.4	281.9	281.5	285.3	282.2
70°	225.0	227.6	228.7	232.5	228.0
72.5°	177.1	177.5	179.0	180.1	177.9
75°	134.9	133.8	137.2	136.4	134.9
77.5°	97.6	96.8	98.0	98.7	96.8
80°	66.3	65.6	65.9	67.1	65.6
82.5°	41.8	41.1	41.1	42.2	41.8
85°	22.2	21.9	21.9	22.6	23.4
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)