

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: P412715

Luminaire Tested: **22PD-30-PP3-L840**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-30-PP3-L840  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

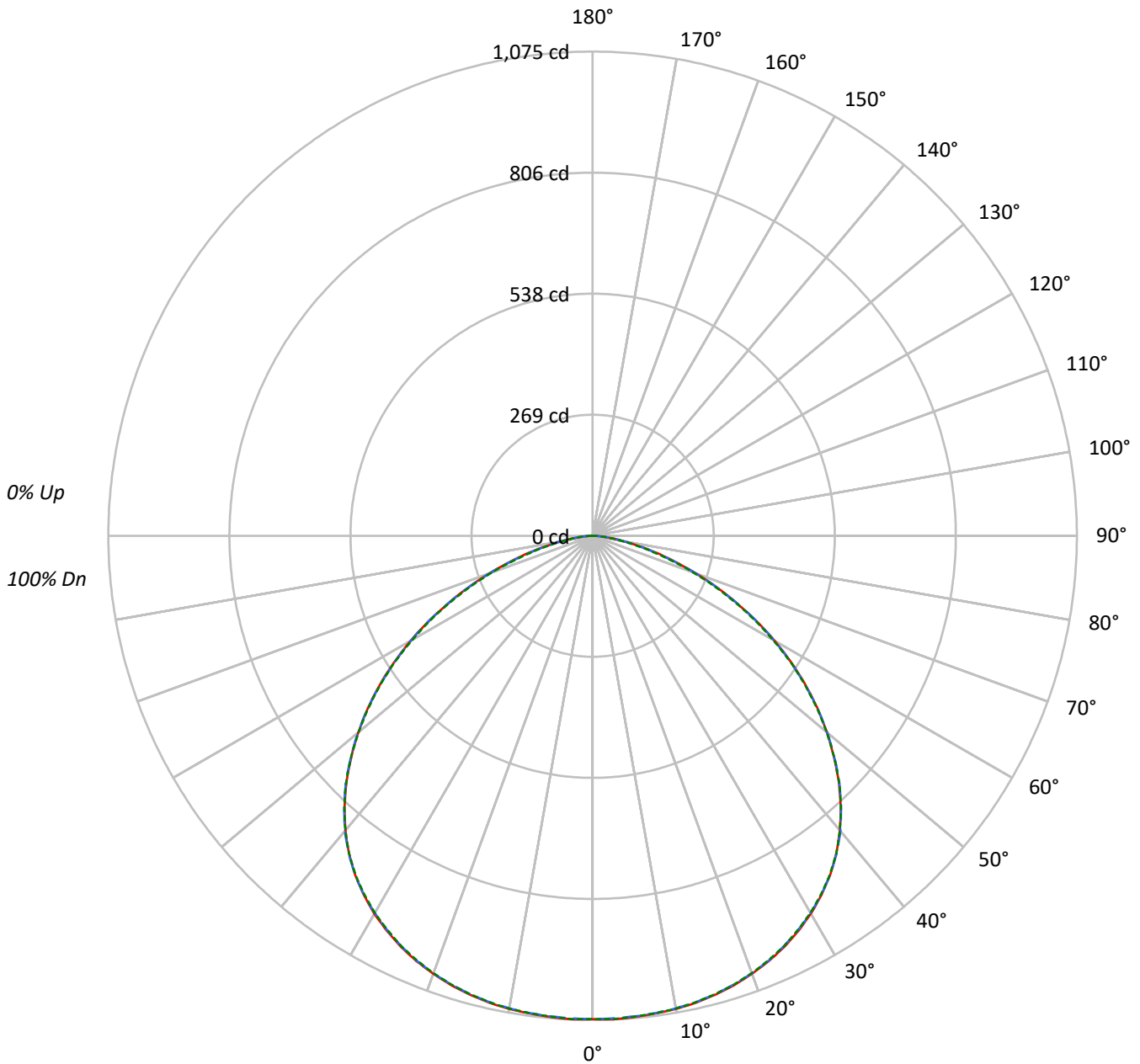
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3079.0 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
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<sub>in</sub>): 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

TEST NUMBER: P412715

CATALOG NUMBER: 22PD-30-PP3-L840

### 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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	81	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	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	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°	2888	2888	2888
5°	2897	2893	2895
10°	2915	2911	2913
15°	2938	2935	2935
20°	2963	2960	2959
25°	2990	2984	2984
30°	3011	3005	3004
35°	3019	3019	3016
40°	3000	3006	3000
45°	2940	2948	2944
50°	2841	2846	2838
55°	2705	2698	2693
60°	2511	2505	2486
65°	2243	2241	2215
70°	1917	1906	1863
75°	1527	1483	1438
80°	1088	1066	1010
85°	707	707	685



TEST NUMBER: P412715

CATALOG NUMBER: 22PD-30-PP3-L840

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.1	3.3
10°-20°	297.7	9.7
20°-30°	463.5	15.1
30°-40°	573.7	18.6
40°-50°	594.9	19.3
50°-60°	512.8	16.7
60°-70°	348.6	11.3
70°-80°	156.0	5.1
80°-90°	29.7	1.0
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°	863.3	28.0
0°-40°	1437.0	46.7
0°-60°	2544.7	82.6
0°-90°	3079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3079.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1073	1073	1073	1073	1073	
5°	1072	1070	1071	1071	1072	102
15°	1054	1053	1054	1053	1054	298
25°	1007	1005	1005	1005	1005	464
35°	919	918	919	918	918	574
45°	772	772	775	773	774	595
55°	576	574	575	574	574	514
65°	352	355	352	351	348	350
75°	147	147	143	142	138	158
85°	23	24	23	22	22	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1073.2	1073.2	1073.2	1073.2	1073.2
2.5°	1074.6	1072.5	1072.5	1072.8	1073.9
5°	1072.5	1070.3	1071.0	1070.7	1071.7
7.5°	1069.6	1067.8	1068.9	1068.2	1068.9
10°	1066.7	1064.9	1065.3	1064.9	1066.0
12.5°	1061.7	1059.6	1060.3	1060.3	1060.6
15°	1054.5	1052.7	1053.5	1052.7	1053.5
17.5°	1045.9	1043.8	1044.1	1043.8	1044.5
20°	1034.8	1033.4	1033.8	1033.0	1033.4
22.5°	1022.3	1020.5	1020.9	1020.1	1020.1
25°	1006.9	1005.4	1005.1	1004.7	1005.1
27.5°	989.0	987.2	987.2	986.8	986.8
30°	968.9	967.1	967.1	966.7	966.7
32.5°	945.2	944.5	944.9	944.2	943.8
35°	919.1	918.0	919.1	917.7	918.0
37.5°	888.6	887.2	889.4	887.9	888.3
40°	853.9	853.2	855.7	854.6	853.9
42.5°	815.2	815.2	816.3	816.6	815.9
45°	772.5	771.8	774.7	772.9	773.6
47.5°	726.7	725.6	727.7	727.4	727.0
50°	678.7	677.9	679.7	677.9	677.9
52.5°	628.9	628.5	628.9	627.1	626.7
55°	576.5	574.4	575.1	574.0	574.0
57.5°	522.1	519.6	519.9	519.6	519.9
60°	466.5	465.8	465.5	463.7	461.9
62.5°	409.6	410.3	409.9	407.4	405.6
65°	352.2	355.1	351.9	350.8	347.9
67.5°	298.1	299.2	297.0	294.5	291.3
70°	243.7	245.8	242.2	239.7	236.8
72.5°	191.7	193.1	189.9	188.5	184.9
75°	146.9	147.3	142.6	141.9	138.3
77.5°	104.6	106.1	102.5	102.5	98.9
80°	70.2	72.7	68.8	67.7	65.2
82.5°	44.1	44.4	43.4	42.3	41.2
85°	22.9	23.6	22.9	22.2	22.2
87.5°	8.6	9.0	8.6	8.2	8.6
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)