

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: P412376

Luminaire Tested: **22PD-30-PB1-L930**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412376  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-30-PB1-L930  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

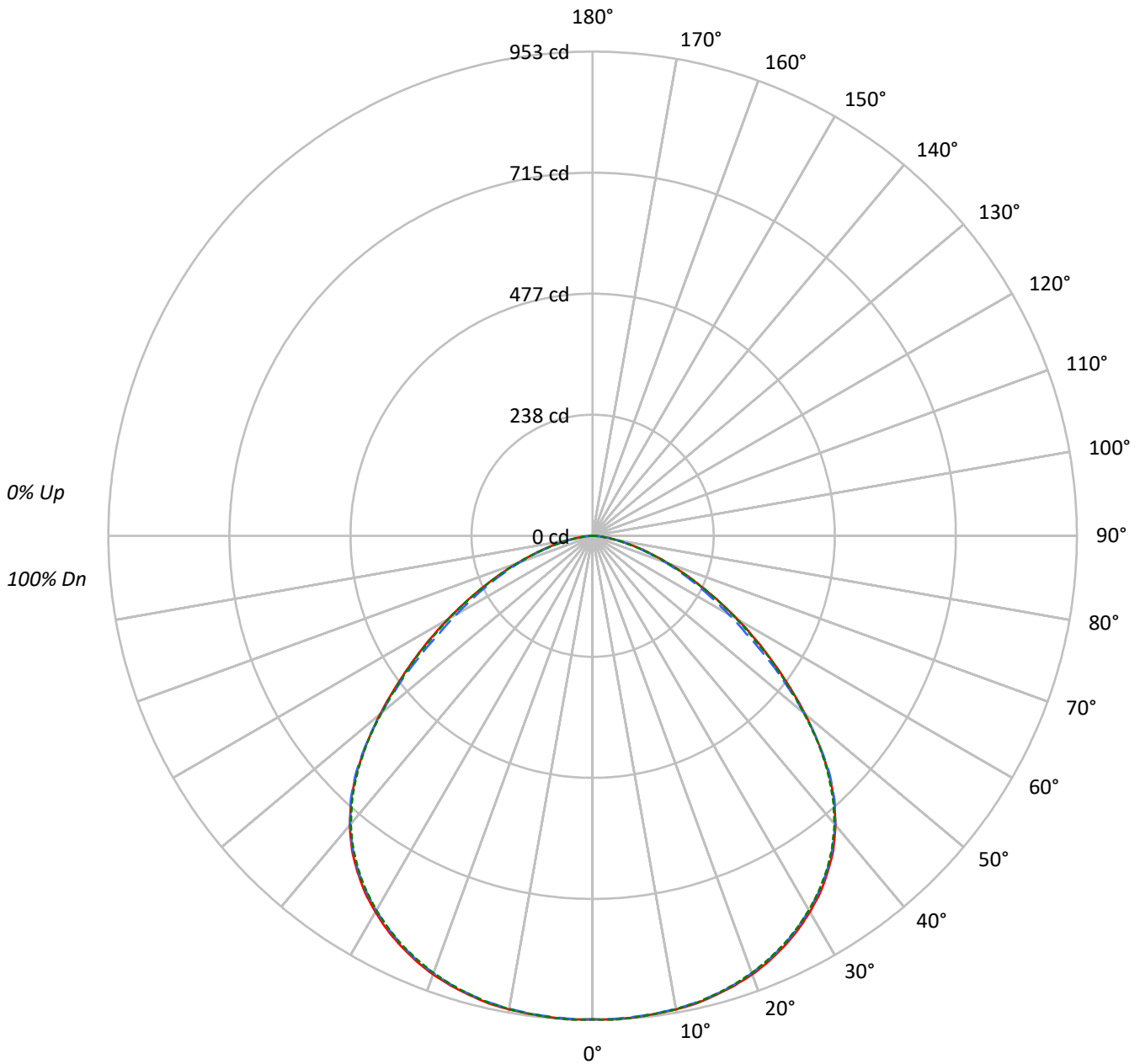
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2499.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4  
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

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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73																			
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63																			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																			
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47																			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37																			
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																			
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2562	2562	2562
5°	2570	2567	2571
10°	2587	2583	2585
15°	2608	2603	2603
20°	2631	2624	2622
25°	2648	2640	2638
30°	2657	2646	2644
35°	2651	2644	2639
40°	2612	2609	2600
45°	2497	2504	2485
50°	2286	2273	2271
55°	2031	1960	2017
60°	1771	1663	1760
65°	1501	1421	1494
70°	1242	1190	1230
75°	1003	940	964
80°	725	702	697
85°	472	472	454



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.6	3.6
10°-20°	264.2	10.6
20°-30°	409.9	16.4
30°-40°	502.6	20.1
40°-50°	502.4	20.1
50°-60°	380.6	15.2
60°-70°	228.3	9.1
70°-80°	100.5	4.0
80°-90°	19.9	0.8
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°	764.6	30.6
0°-40°	1267.2	50.7
0°-60°	2150.3	86.0
0°-90°	2499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	951	950	950	950	952	91
15°	936	935	934	934	934	265
25°	892	890	889	888	888	411
35°	807	807	805	804	803	504
45°	656	657	658	656	653	502
55°	433	424	418	423	430	388
65°	236	228	223	227	235	236
75°	96	94	90	92	93	103
85°	15	16	15	15	15	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	951.9	951.9	951.9	951.9	951.9
2.5°	952.7	951.3	951.6	951.6	953.3
5°	951.3	950.1	950.4	950.1	951.6
7.5°	949.2	948.0	948.3	948.0	948.9
10°	946.6	945.4	945.4	944.8	946.0
12.5°	943.0	941.6	941.0	940.7	941.6
15°	936.0	935.1	934.5	933.9	934.5
17.5°	928.3	926.8	926.3	925.1	926.3
20°	918.9	916.8	916.3	915.4	915.7
22.5°	906.5	904.8	903.9	902.4	903.0
25°	891.8	890.1	889.2	887.7	888.3
27.5°	874.8	873.6	871.5	870.3	870.6
30°	855.0	853.9	851.5	850.9	850.9
32.5°	833.3	831.8	829.7	829.1	828.8
35°	807.1	806.8	804.7	804.1	803.2
37.5°	778.5	777.9	775.6	775.0	774.1
40°	743.5	742.9	742.6	741.4	740.2
42.5°	702.9	703.7	704.3	702.0	699.6
45°	656.1	656.9	658.1	656.4	653.1
47.5°	601.3	604.9	603.1	604.3	601.0
50°	546.0	546.0	543.0	544.2	542.5
52.5°	488.0	483.3	479.8	482.1	484.5
55°	433.0	423.5	417.7	423.2	430.0
57.5°	380.3	369.1	358.2	367.0	375.3
60°	329.1	316.1	309.0	315.5	327.0
62.5°	280.5	271.1	264.0	269.0	278.7
65°	235.8	227.5	223.1	226.9	234.6
67.5°	194.8	189.3	184.8	188.1	194.0
70°	157.8	156.3	151.3	152.8	156.3
72.5°	123.9	123.6	119.2	120.4	122.4
75°	96.5	94.5	90.4	91.8	92.7
77.5°	68.3	69.2	65.3	66.2	66.2
80°	46.8	48.3	45.3	44.7	45.0
82.5°	29.7	29.7	29.4	29.1	28.3
85°	15.3	15.9	15.3	14.7	14.7
87.5°	5.9	5.9	5.9	5.6	5.3
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)