

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: P412978

Luminaire Tested: **14PD-30-PC3-L927**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412978  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PC3-L927  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

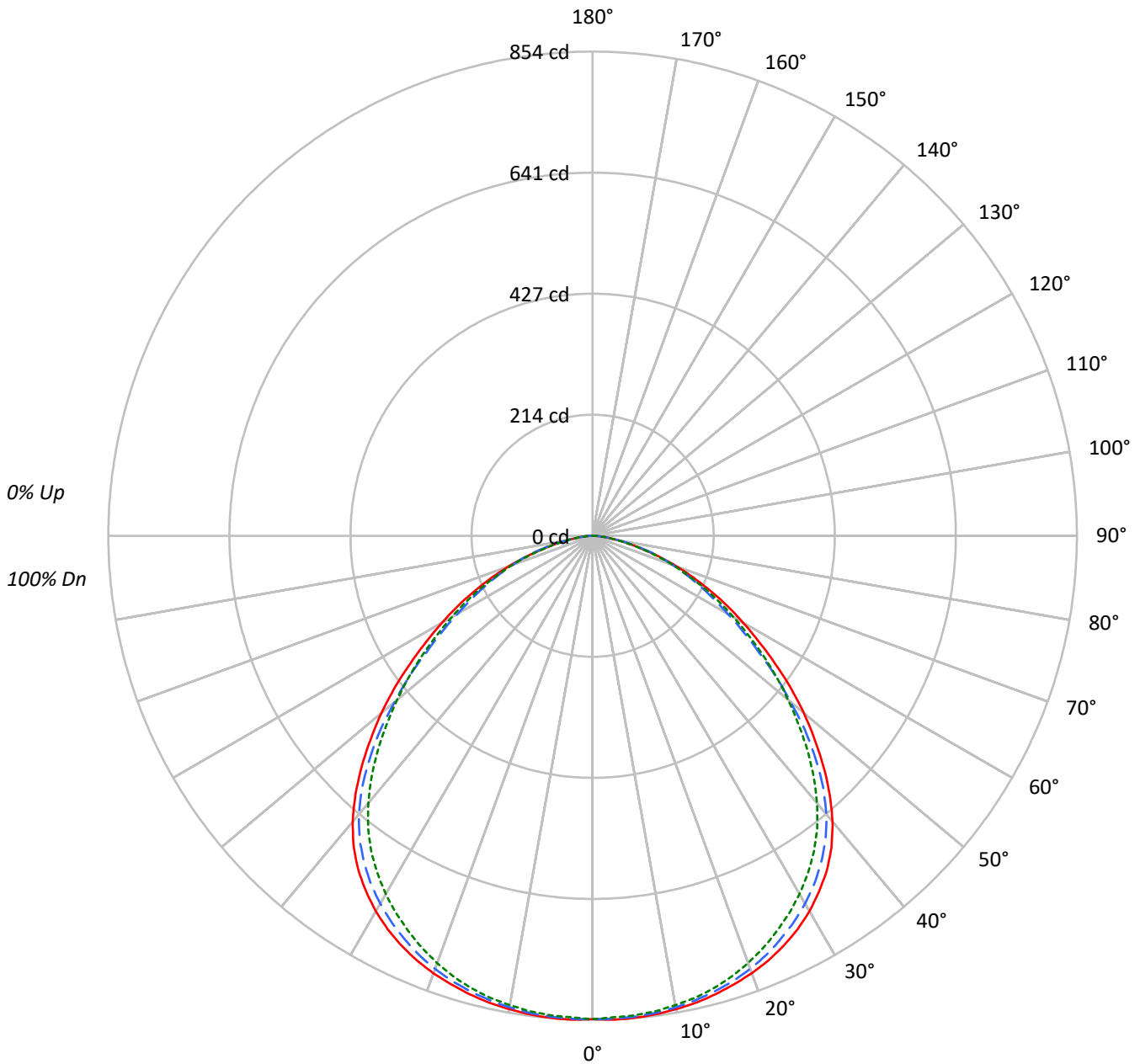
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2203.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27  
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	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

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

	0°	45°	90°
0°	2294	2294	2294
5°	2306	2300	2294
10°	2317	2308	2296
15°	2333	2318	2301
20°	2351	2328	2296
25°	2369	2330	2283
30°	2376	2328	2267
35°	2366	2309	2235
40°	2312	2252	2162
45°	2192	2117	2039
50°	2034	1904	1883
55°	1842	1679	1716
60°	1647	1478	1544
65°	1453	1326	1372
70°	1237	1175	1183
75°	950	1002	923
80°	697	731	691
85°	466	513	500



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.0	3.7
10°-20°	234.8	10.7
20°-30°	361.2	16.4
30°-40°	437.0	19.8
40°-50°	426.7	19.4
50°-60°	329.7	15.0
60°-70°	211.7	9.6
70°-80°	99.9	4.5
80°-90°	20.9	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°	677.0	30.7
0°-40°	1114.0	50.6
0°-60°	1870.4	84.9
0°-90°	2203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	854	850	851	851	849	81
15°	837	833	832	829	826	237
25°	798	791	785	775	769	368
35°	720	713	703	687	680	449
45°	576	569	556	542	536	443
55°	393	374	358	358	366	352
65°	228	215	208	206	215	227
75°	91	93	96	88	89	100
85°	15	17	17	16	16	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	852.5	852.5	852.5	852.5	852.5
2.5°	854.4	851.0	852.8	852.8	850.2
5°	853.6	849.8	851.3	850.6	849.1
7.5°	851.3	847.5	848.7	847.9	846.0
10°	847.9	843.8	844.5	843.0	840.4
12.5°	843.4	839.6	838.9	836.6	834.7
15°	837.3	833.2	832.1	829.0	826.0
17.5°	829.4	825.3	823.4	818.8	815.4
20°	821.1	816.2	812.8	806.0	801.8
22.5°	810.5	804.9	800.3	790.9	786.7
25°	797.7	791.2	784.8	774.6	769.0
27.5°	782.6	775.8	768.2	756.9	750.4
30°	764.8	758.0	749.3	736.5	729.7
32.5°	743.6	736.8	727.8	713.0	706.2
35°	720.2	712.7	702.8	687.0	680.2
37.5°	692.2	683.9	674.9	657.5	650.3
40°	658.2	651.1	641.2	623.9	615.5
42.5°	618.9	612.5	601.6	584.9	577.0
45°	575.9	568.7	556.2	541.9	535.8
47.5°	530.9	520.3	508.2	495.8	492.4
50°	485.9	472.3	454.9	448.5	449.7
52.5°	439.8	422.5	407.3	402.4	408.1
55°	392.6	373.7	357.8	358.2	365.8
57.5°	347.6	328.0	314.8	314.8	324.6
60°	306.1	287.9	274.7	274.3	286.8
62.5°	267.5	249.0	239.2	239.2	250.5
65°	228.2	214.6	208.2	205.9	215.4
67.5°	192.0	182.5	178.0	175.3	181.4
70°	157.2	151.1	149.3	146.2	150.4
72.5°	122.8	121.3	125.1	117.9	119.8
75°	91.4	93.0	96.4	88.4	88.8
77.5°	65.7	68.8	69.9	66.1	66.1
80°	45.0	48.7	47.2	45.3	44.6
82.5°	28.7	30.6	30.6	29.5	28.7
85°	15.1	17.4	16.6	16.2	16.2
87.5°	5.7	7.9	7.9	7.6	7.2
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)