

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: P412963

Luminaire Tested: **14PD-20-PC3-L940**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412963  
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-20-PC3-L940  
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

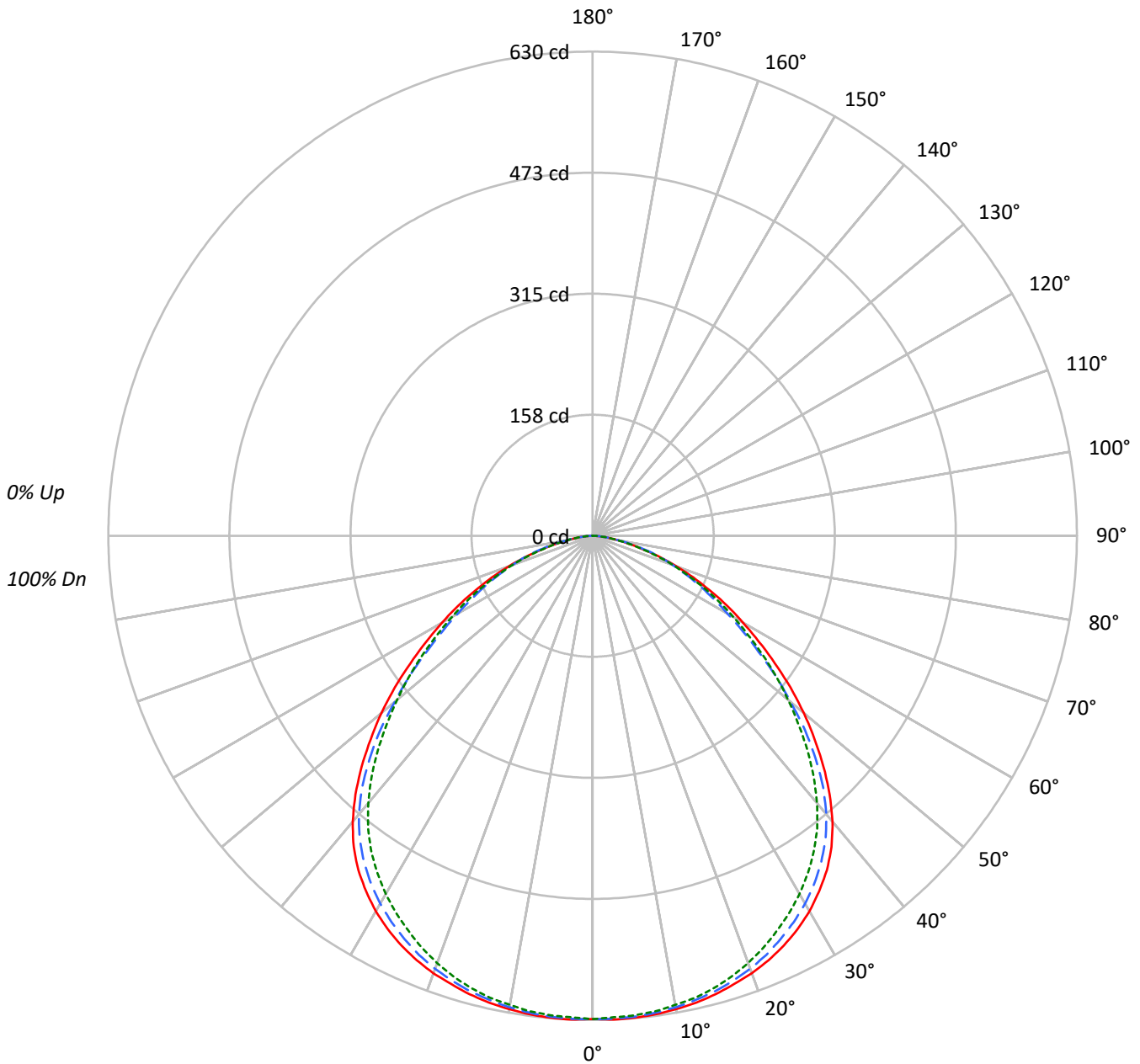
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1625.0 lumens  
Efficiency: N/A  
Efficacy: 93.4 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): 17.4  
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	93	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°	1692	1692	1692
5°	1701	1696	1692
10°	1709	1702	1694
15°	1721	1710	1697
20°	1735	1717	1694
25°	1747	1719	1684
30°	1753	1717	1672
35°	1745	1703	1648
40°	1705	1662	1595
45°	1617	1561	1504
50°	1500	1405	1389
55°	1359	1239	1266
60°	1215	1090	1139
65°	1072	978	1012
70°	912	866	873
75°	702	739	681
80°	514	539	510
85°	343	380	371



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	3.7
10°-20°	173.2	10.7
20°-30°	266.4	16.4
30°-40°	322.4	19.8
40°-50°	314.7	19.4
50°-60°	243.2	15.0
60°-70°	156.2	9.6
70°-80°	73.7	4.5
80°-90°	15.5	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°	499.4	30.7
0°-40°	821.7	50.6
0°-60°	1379.6	84.9
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	629	629	629	629	629	
5°	630	627	628	627	626	60
15°	618	615	614	612	609	175
25°	588	584	579	571	567	271
35°	531	526	518	507	502	331
45°	425	420	410	400	395	327
55°	290	276	264	264	270	260
65°	168	158	154	152	159	168
75°	68	69	71	65	66	74
85°	11	13	12	12	12	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	628.8	628.8	628.8	628.8	628.8
2.5°	630.2	627.7	629.1	629.1	627.1
5°	629.6	626.9	628.0	627.4	626.3
7.5°	628.0	625.2	626.0	625.5	624.1
10°	625.5	622.4	622.9	621.8	619.9
12.5°	622.1	619.3	618.8	617.1	615.7
15°	617.7	614.6	613.8	611.5	609.3
17.5°	611.8	608.7	607.3	604.0	601.5
20°	605.7	602.0	599.5	594.5	591.5
22.5°	597.9	593.7	590.3	583.4	580.3
25°	588.4	583.6	578.9	571.4	567.2
27.5°	577.2	572.2	566.6	558.3	553.5
30°	564.1	559.1	552.7	543.2	538.2
32.5°	548.5	543.5	536.8	526.0	520.9
35°	531.2	525.7	518.4	506.7	501.7
37.5°	510.6	504.5	497.8	485.0	479.7
40°	485.5	480.2	473.0	460.2	454.0
42.5°	456.6	451.8	443.7	431.5	425.6
45°	424.8	419.5	410.3	399.7	395.2
47.5°	391.6	383.8	374.9	365.7	363.2
50°	358.4	348.4	335.6	330.8	331.7
52.5°	324.4	311.6	300.5	296.8	301.0
55°	289.6	275.7	264.0	264.2	269.8
57.5°	256.4	241.9	232.2	232.2	239.4
60°	225.8	212.4	202.6	202.4	211.6
62.5°	197.3	183.7	176.4	176.4	184.8
65°	168.3	158.3	153.6	151.9	158.9
67.5°	141.6	134.6	131.3	129.3	133.8
70°	115.9	111.5	110.1	107.9	110.9
72.5°	90.6	89.5	92.3	87.0	88.4
75°	67.5	68.6	71.1	65.2	65.5
77.5°	48.5	50.7	51.6	48.8	48.8
80°	33.2	36.0	34.8	33.4	32.9
82.5°	21.2	22.6	22.6	21.7	21.2
85°	11.1	12.8	12.3	12.0	12.0
87.5°	4.2	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)