

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: P412622

Luminaire Tested: **14PD-20-PP3-L950**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412622  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-20-PP3-L950  
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

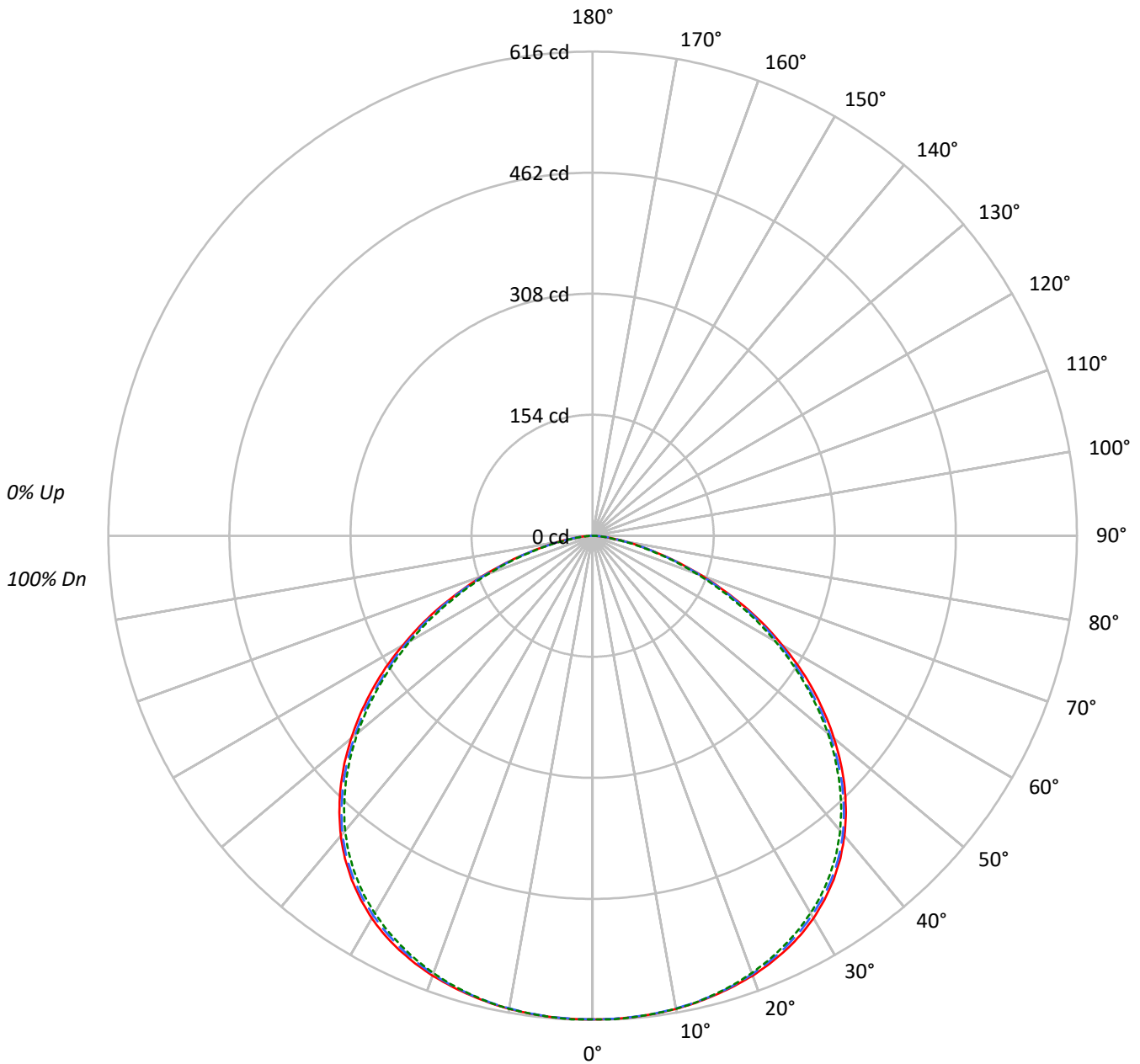
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1790.0 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43  
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	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	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
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°	1655	1655	1655
5°	1660	1659	1660
10°	1670	1668	1670
15°	1685	1682	1681
20°	1705	1700	1696
25°	1727	1718	1710
30°	1746	1734	1723
35°	1755	1745	1729
40°	1751	1740	1721
45°	1726	1709	1690
50°	1678	1651	1634
55°	1609	1570	1550
60°	1499	1473	1443
65°	1359	1331	1293
70°	1160	1138	1102
75°	906	896	854
80°	668	640	604
85°	404	404	377



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.5	3.3
10°-20°	170.8	9.5
20°-30°	266.9	14.9
30°-40°	331.8	18.5
40°-50°	345.7	19.3
50°-60°	299.9	16.8
60°-70°	206.2	11.5
70°-80°	93.1	5.2
80°-90°	17.1	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°	496.3	27.7
0°-40°	828.0	46.3
0°-60°	1473.6	82.3
0°-90°	1790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1790.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	614	615	614	614	615	59
15°	605	605	604	603	604	171
25°	582	581	578	576	576	268
35°	534	534	531	528	526	334
45°	454	454	449	446	444	349
55°	343	341	335	331	330	306
65°	213	212	209	204	203	211
75°	87	88	86	84	82	95
85°	13	13	13	13	12	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	615.2	615.2	615.2	615.2	615.2
2.5°	615.3	615.3	615.0	614.5	615.7
5°	614.5	614.6	614.3	613.7	614.6
7.5°	613.2	613.4	612.8	612.3	613.0
10°	611.2	611.1	610.5	610.2	611.1
12.5°	608.4	608.2	607.7	607.3	608.0
15°	604.8	604.8	603.9	603.4	603.5
17.5°	600.5	600.5	599.3	598.0	598.4
20°	595.5	595.3	593.5	592.3	592.1
22.5°	589.2	589.2	586.7	585.1	584.6
25°	581.5	581.4	578.5	576.2	575.8
27.5°	572.8	572.4	569.0	566.7	565.8
30°	561.9	561.5	557.9	555.4	554.4
32.5°	549.0	549.5	545.4	542.5	541.5
35°	534.3	534.3	531.1	528.1	526.3
37.5°	517.5	517.5	514.5	511.4	509.3
40°	498.4	498.5	495.3	491.6	489.8
42.5°	476.9	477.3	473.0	469.9	468.0
45°	453.5	453.6	449.0	445.6	444.0
47.5°	428.1	427.7	422.5	419.7	418.0
50°	400.9	400.2	394.4	391.7	390.3
52.5°	372.4	371.0	366.0	362.1	360.8
55°	342.9	340.9	334.7	330.8	330.4
57.5°	312.1	309.8	304.6	300.9	299.4
60°	278.5	278.0	273.7	269.2	268.1
62.5°	247.0	245.4	241.7	236.3	235.8
65°	213.4	212.5	209.1	204.1	203.0
67.5°	178.7	179.6	176.7	172.3	170.8
70°	147.4	147.9	144.7	140.6	140.1
72.5°	115.9	116.8	114.1	111.4	110.9
75°	87.1	87.5	86.2	83.9	82.1
77.5°	61.9	63.1	61.7	60.1	58.7
80°	43.1	41.1	41.3	40.6	39.0
82.5°	25.9	25.0	24.9	24.1	23.4
85°	13.1	12.9	13.1	12.9	12.2
87.5°	4.3	4.7	4.8	4.8	4.5
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)