

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: P412684

Luminaire Tested: **14PD-55-PP3-L940**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412684  
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-55-PP3-L940  
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

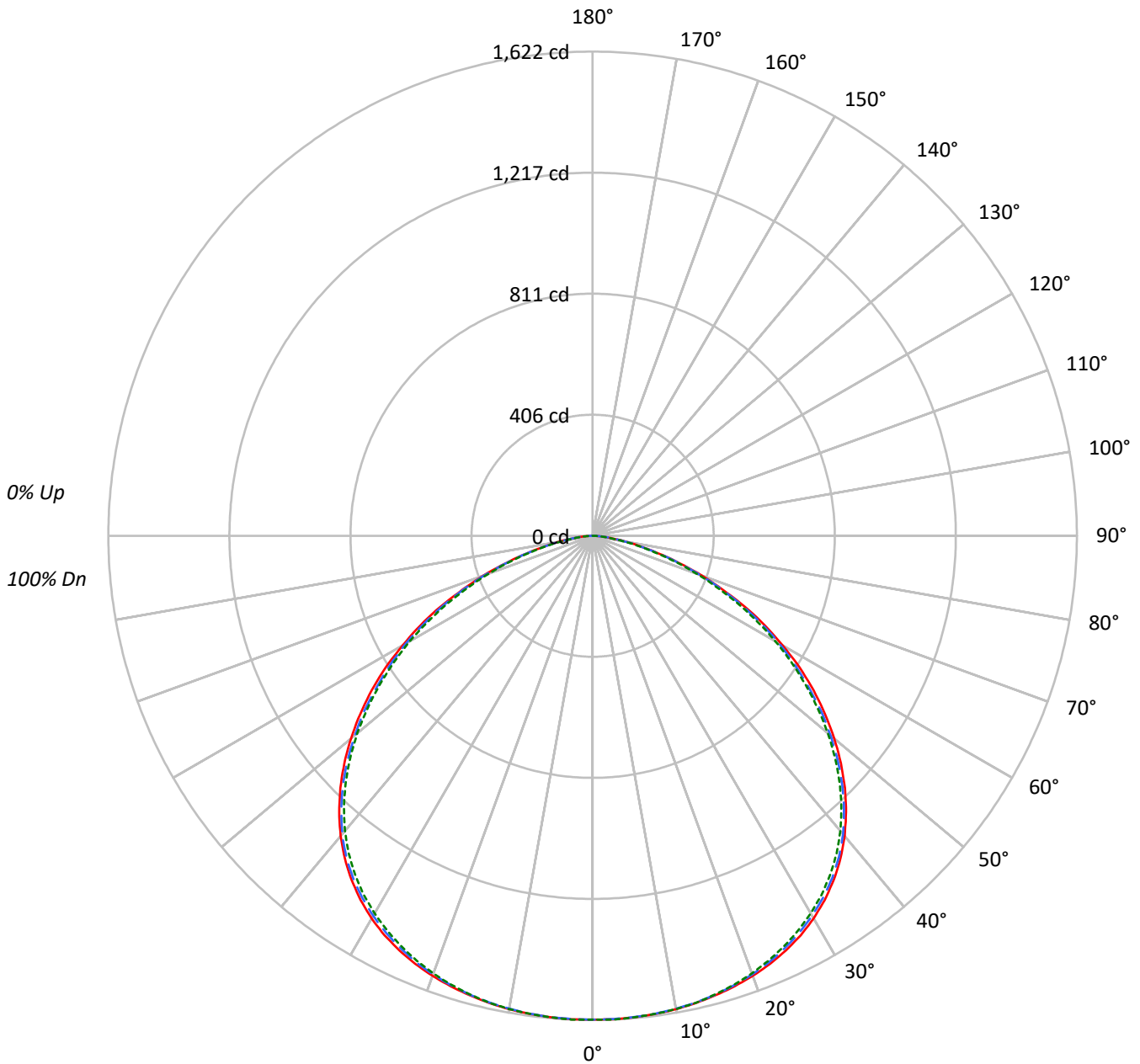
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4716.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 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): 54.1  
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



0% Up  
100% Dn



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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°	4362	4362	4362
5°	4373	4372	4374
10°	4400	4395	4399
15°	4439	4433	4430
20°	4493	4478	4467
25°	4549	4525	4505
30°	4600	4567	4538
35°	4624	4596	4555
40°	4612	4584	4533
45°	4547	4502	4451
50°	4422	4351	4305
55°	4239	4137	4084
60°	3949	3881	3802
65°	3580	3508	3406
70°	3055	3000	2903
75°	2386	2362	2249
80°	1760	1688	1592
85°	1062	1062	988



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.2	3.3
10°-20°	450.0	9.5
20°-30°	703.3	14.9
30°-40°	874.1	18.5
40°-50°	910.7	19.3
50°-60°	790.3	16.8
60°-70°	543.4	11.5
70°-80°	245.2	5.2
80°-90°	44.9	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°	1307.4	27.7
0°-40°	2181.5	46.3
0°-60°	3882.5	82.3
0°-90°	4716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4716.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1621	1621	1621	1621	1621	
5°	1619	1619	1618	1617	1619	154
15°	1593	1593	1591	1590	1590	451
25°	1532	1532	1524	1518	1517	707
35°	1408	1408	1399	1391	1386	880
45°	1195	1195	1183	1174	1170	920
55°	904	898	882	871	870	805
65°	562	560	551	538	535	555
75°	230	230	227	221	216	250
85°	34	34	34	34	32	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1620.8	1620.8	1620.8	1620.8	1620.8
2.5°	1621.2	1621.2	1620.3	1618.9	1622.2
5°	1618.9	1619.3	1618.4	1617.0	1619.3
7.5°	1615.6	1616.0	1614.6	1613.2	1615.1
10°	1610.4	1609.9	1608.5	1607.6	1609.9
12.5°	1602.8	1602.4	1601.0	1600.0	1601.9
15°	1593.4	1593.4	1591.1	1589.6	1590.1
17.5°	1582.1	1582.1	1578.8	1575.5	1576.5
20°	1568.9	1568.4	1563.7	1560.4	1560.0
22.5°	1552.4	1552.4	1545.8	1541.6	1540.2
25°	1532.2	1531.7	1524.1	1518.0	1517.1
27.5°	1509.1	1508.1	1499.2	1493.0	1490.7
30°	1480.3	1479.4	1469.9	1463.3	1460.5
32.5°	1446.4	1447.8	1437.0	1429.4	1426.6
35°	1407.7	1407.7	1399.2	1391.2	1386.5
37.5°	1363.4	1363.4	1355.4	1347.4	1341.8
40°	1313.0	1313.5	1305.0	1295.1	1290.4
42.5°	1256.4	1257.4	1246.1	1238.1	1232.9
45°	1194.7	1195.2	1182.9	1174.0	1169.7
47.5°	1127.8	1126.8	1113.2	1105.6	1101.4
50°	1056.2	1054.3	1039.2	1032.1	1028.3
52.5°	981.2	977.4	964.3	953.9	950.6
55°	903.5	898.3	881.8	871.4	870.5
57.5°	822.4	816.3	802.6	792.7	788.9
60°	733.8	732.4	721.1	709.3	706.5
62.5°	650.8	646.6	636.7	622.6	621.2
65°	562.2	559.9	550.9	537.7	534.9
67.5°	470.8	473.2	465.6	453.8	450.1
70°	388.3	389.8	381.3	370.4	369.0
72.5°	305.4	307.7	300.7	293.6	292.2
75°	229.5	230.5	227.2	221.0	216.3
77.5°	163.1	166.4	162.6	158.4	154.6
80°	113.6	108.4	108.9	107.0	102.7
82.5°	68.3	66.0	65.5	63.6	61.7
85°	34.4	33.9	34.4	33.9	32.0
87.5°	11.3	12.3	12.7	12.7	11.8
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)