

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: P413026

Luminaire Tested: **14PD-55-PC3-L940**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P413026  
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-55-PC3-L940  
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

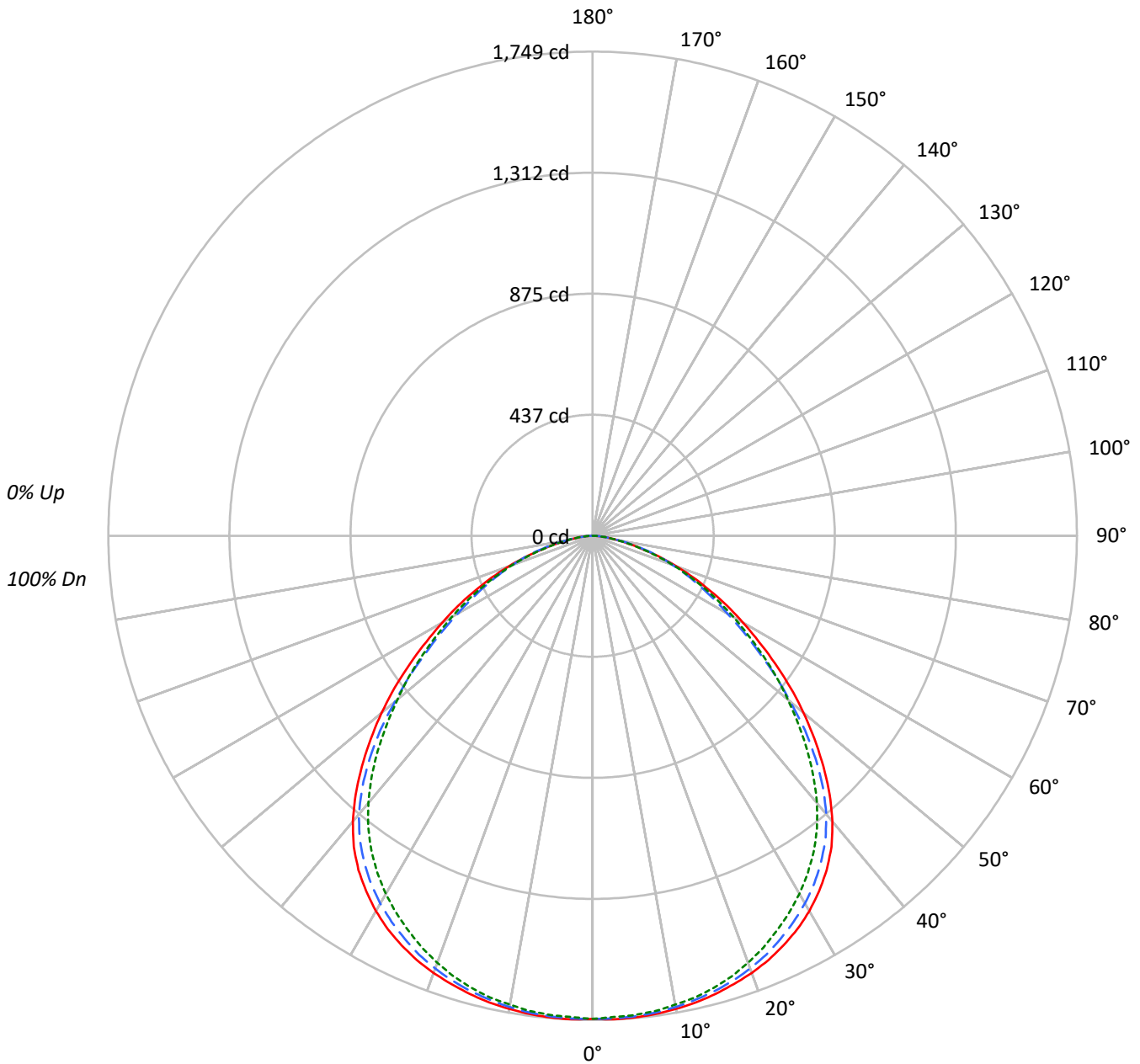
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4509.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 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): 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





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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°	4695	4695	4695
5°	4719	4707	4694
10°	4742	4723	4700
15°	4774	4744	4710
20°	4813	4764	4700
25°	4847	4769	4673
30°	4864	4765	4640
35°	4843	4726	4573
40°	4733	4611	4426
45°	4486	4332	4174
50°	4164	3898	3853
55°	3770	3436	3512
60°	3372	3026	3159
65°	2974	2713	2807
70°	2531	2404	2422
75°	1946	2050	1889
80°	1426	1499	1415
85°	954	1050	1028



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.8	3.7
10°-20°	480.6	10.7
20°-30°	739.2	16.4
30°-40°	894.5	19.8
40°-50°	873.3	19.4
50°-60°	674.8	15.0
60°-70°	433.4	9.6
70°-80°	204.5	4.5
80°-90°	42.9	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°	1385.6	30.7
0°-40°	2280.1	50.6
0°-60°	3828.2	84.9
0°-90°	4509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1745	1745	1745	1745	1745	
5°	1747	1739	1742	1741	1738	166
15°	1714	1705	1703	1697	1691	484
25°	1633	1620	1606	1586	1574	752
35°	1474	1459	1438	1406	1392	919
45°	1179	1164	1138	1109	1097	907
55°	804	765	732	733	749	720
65°	467	439	426	422	441	465
75°	187	190	197	181	182	205
85°	31	36	34	33	33	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1744.8	1744.8	1744.8	1744.8	1744.8
2.5°	1748.6	1741.7	1745.6	1745.6	1740.1
5°	1747.1	1739.4	1742.5	1740.9	1737.8
7.5°	1742.5	1734.7	1737.0	1735.5	1731.6
10°	1735.5	1727.0	1728.5	1725.4	1720.0
12.5°	1726.2	1718.5	1716.9	1712.3	1708.4
15°	1713.8	1705.3	1703.0	1696.8	1690.6
17.5°	1697.6	1689.1	1685.2	1675.9	1669.0
20°	1680.6	1670.5	1663.6	1649.7	1641.1
22.5°	1658.9	1647.3	1638.1	1618.7	1610.2
25°	1632.6	1619.5	1606.3	1585.5	1573.9
27.5°	1601.7	1587.8	1572.3	1549.1	1536.0
30°	1565.4	1551.4	1533.6	1507.3	1493.4
32.5°	1522.0	1508.1	1489.6	1459.4	1445.5
35°	1474.1	1458.6	1438.5	1406.0	1392.1
37.5°	1416.9	1399.8	1381.3	1345.7	1331.0
40°	1347.3	1332.6	1312.5	1276.9	1259.9
42.5°	1266.8	1253.7	1231.2	1197.2	1181.0
45°	1178.7	1164.0	1138.4	1109.0	1096.7
47.5°	1086.6	1065.0	1040.2	1014.7	1007.7
50°	994.6	966.7	931.2	918.0	920.3
52.5°	900.2	864.7	833.7	823.7	835.3
55°	803.6	764.9	732.4	733.2	748.6
57.5°	711.5	671.3	644.2	644.2	664.3
60°	626.5	589.3	562.3	561.5	587.0
62.5°	547.6	509.7	489.6	489.6	512.8
65°	467.1	439.3	426.1	421.5	440.8
67.5°	392.9	373.6	364.3	358.9	371.2
70°	321.7	309.4	305.5	299.3	307.8
72.5°	251.4	248.3	256.0	241.3	245.2
75°	187.2	190.3	197.2	181.0	181.7
77.5°	134.6	140.8	143.1	135.3	135.3
80°	92.0	99.8	96.7	92.8	91.3
82.5°	58.8	62.6	62.6	60.3	58.8
85°	30.9	35.6	34.0	33.3	33.3
87.5°	11.6	16.2	16.2	15.5	14.7
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)