

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: P412683

Luminaire Tested: **14PD-55-PP3-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412683  
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-L935  
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

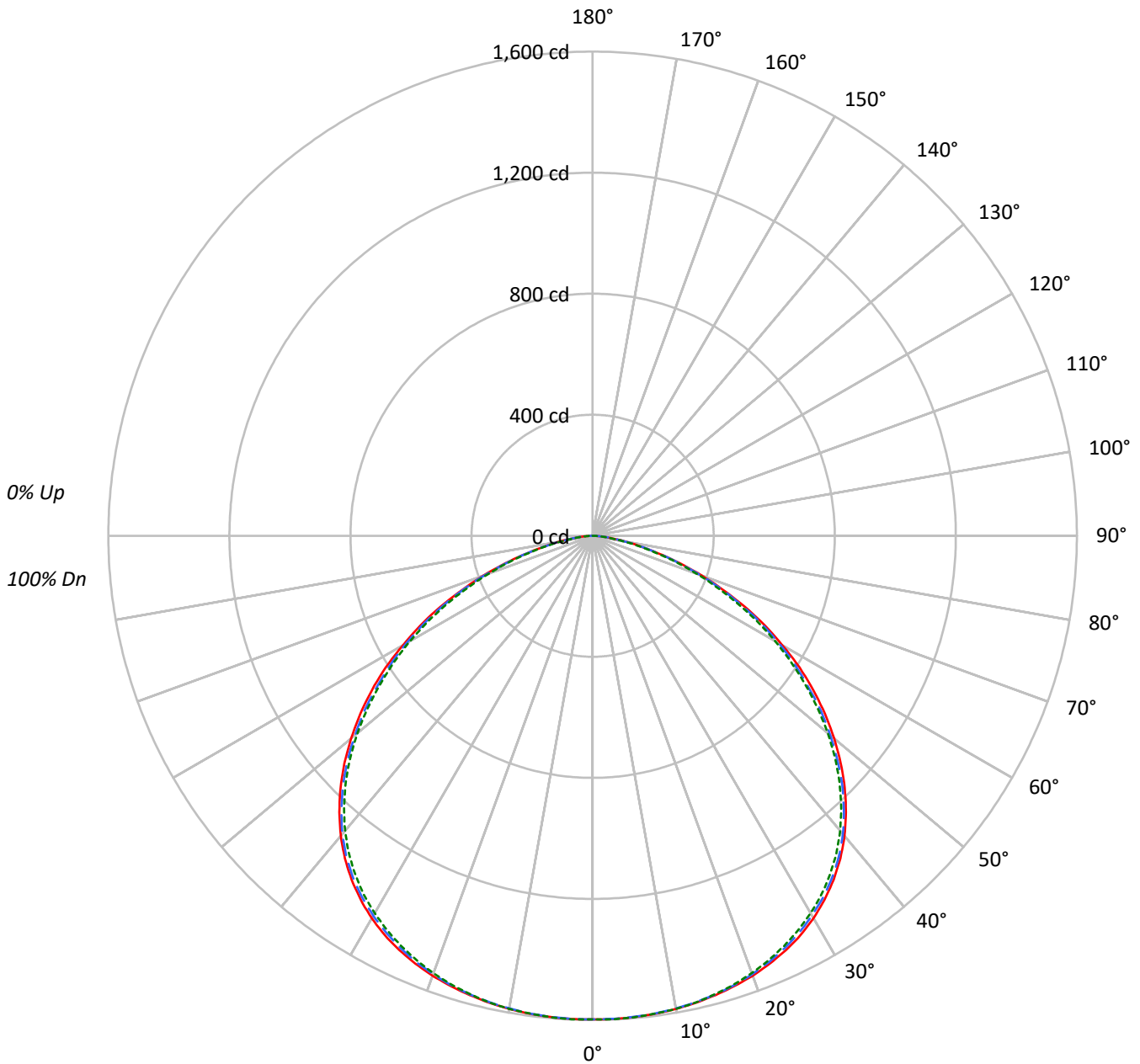
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4650.0 lumens  
Efficiency: N/A  
Efficacy: 86.0 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





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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°	4300	4300	4300
5°	4312	4310	4313
10°	4339	4334	4338
15°	4377	4371	4368
20°	4430	4415	4405
25°	4486	4462	4441
30°	4535	4504	4475
35°	4560	4532	4491
40°	4548	4520	4469
45°	4483	4439	4389
50°	4360	4289	4245
55°	4179	4079	4027
60°	3894	3827	3749
65°	3530	3459	3358
70°	3013	2958	2863
75°	2353	2329	2218
80°	1736	1663	1570
85°	1047	1047	976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.0	3.3
10°-20°	443.7	9.5
20°-30°	693.5	14.9
30°-40°	861.8	18.5
40°-50°	898.0	19.3
50°-60°	779.2	16.8
60°-70°	535.8	11.5
70°-80°	241.8	5.2
80°-90°	44.3	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°	1289.2	27.7
0°-40°	2151.0	46.3
0°-60°	3828.1	82.3
0°-90°	4650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4650.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1598	1598	1598	1598	1598	
5°	1596	1597	1596	1594	1597	152
15°	1571	1571	1569	1567	1568	444
25°	1511	1510	1503	1497	1496	697
35°	1388	1388	1380	1372	1367	867
45°	1178	1178	1166	1158	1153	907
55°	891	886	869	859	858	794
65°	554	552	543	530	527	547
75°	226	227	224	218	213	246
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°	1598.1	1598.1	1598.1	1598.1	1598.1
2.5°	1598.5	1598.5	1597.6	1596.2	1599.5
5°	1596.2	1596.7	1595.7	1594.4	1596.7
7.5°	1593.0	1593.4	1592.0	1590.6	1592.5
10°	1587.8	1587.4	1586.0	1585.1	1587.4
12.5°	1580.4	1579.9	1578.6	1577.6	1579.5
15°	1571.1	1571.1	1568.8	1567.4	1567.9
17.5°	1560.0	1560.0	1556.7	1553.5	1554.4
20°	1547.0	1546.5	1541.8	1538.6	1538.1
22.5°	1530.7	1530.7	1524.2	1520.0	1518.6
25°	1510.7	1510.2	1502.8	1496.8	1495.8
27.5°	1487.9	1487.0	1478.2	1472.1	1469.8
30°	1459.6	1458.7	1449.4	1442.9	1440.1
32.5°	1426.1	1427.5	1416.8	1409.4	1406.6
35°	1388.0	1388.0	1379.7	1371.8	1367.1
37.5°	1344.3	1344.3	1336.4	1328.5	1323.0
40°	1294.6	1295.1	1286.7	1277.0	1272.3
42.5°	1238.9	1239.8	1228.6	1220.7	1215.6
45°	1178.0	1178.5	1166.4	1157.5	1153.4
47.5°	1112.0	1111.1	1097.6	1090.2	1086.0
50°	1041.4	1039.5	1024.6	1017.7	1014.0
52.5°	967.5	963.8	950.8	940.5	937.3
55°	890.8	885.7	869.4	859.2	858.3
57.5°	810.9	804.8	791.4	781.6	777.9
60°	723.5	722.1	711.0	699.4	696.6
62.5°	641.7	637.6	627.8	613.9	612.5
65°	554.4	552.1	543.2	530.2	527.4
67.5°	464.2	466.5	459.1	447.5	443.8
70°	382.9	384.3	375.9	365.2	363.9
72.5°	301.1	303.4	296.5	289.5	288.1
75°	226.3	227.2	224.0	217.9	213.3
77.5°	160.8	164.0	160.3	156.1	152.4
80°	112.0	106.9	107.3	105.5	101.3
82.5°	67.4	65.1	64.6	62.7	60.9
85°	33.9	33.5	33.9	33.5	31.6
87.5°	11.2	12.1	12.5	12.5	11.6
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)