

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: P737854

Luminaire Tested: **14PT-50-PC3-L950**

Issue Date: 2/8/2024



**Test Information**

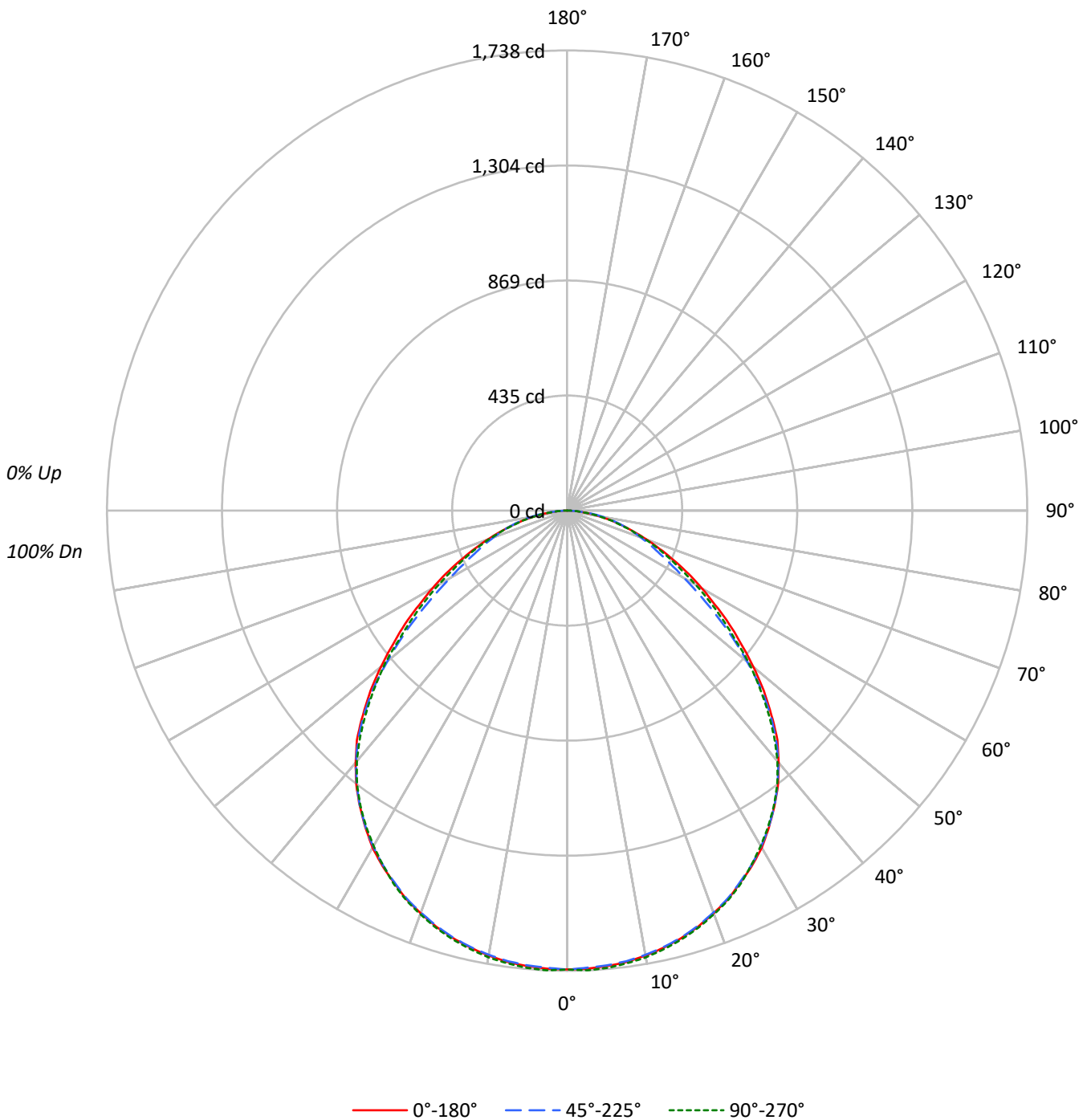
Test Method: LM-79-08  
Report Number: P737854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-50-PC3-L950  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4369.0 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 40.9  
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				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	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°	5196	5196	5196
5°	5197	5188	5218
10°	5197	5187	5216
15°	5185	5179	5202
20°	5162	5154	5175
25°	5126	5118	5138
30°	5088	5071	5062
35°	4995	4991	4982
40°	4864	4857	4835
45°	4625	4591	4544
50°	4282	4137	4183
55°	3907	3590	3752
60°	3523	3062	3360
65°	3148	2740	3021
70°	2793	2592	2717
75°	2470	2512	2420
80°	2129	2396	2118
85°	1600	1899	1600



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.4	3.8
10°-20°	471.8	10.8
20°-30°	714.3	16.3
30°-40°	851.6	19.5
40°-50°	832.1	19.0
50°-60°	636.3	14.6
60°-70°	408.5	9.3
70°-80°	227.3	5.2
80°-90°	62.8	1.4
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°	1350.5	30.9
0°-40°	2202.1	50.4
0°-60°	3670.5	84.0
0°-90°	4369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4369.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1733	1733	1733	1733	1733	
5°	1727	1728	1724	1732	1734	164
15°	1670	1672	1669	1674	1676	471
25°	1550	1551	1547	1552	1553	715
35°	1365	1366	1364	1363	1361	853
45°	1091	1093	1083	1080	1072	839
55°	748	722	687	696	718	668
65°	444	410	386	399	426	443
75°	213	215	217	214	209	228
85°	46	54	55	53	46	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1731.8	1732.4	1728.1	1735.5	1738.0
5°	1726.9	1728.1	1723.8	1731.8	1733.7
7.5°	1719.4	1720.7	1716.3	1724.4	1725.0
10°	1707.0	1707.6	1703.9	1712.0	1713.2
12.5°	1690.3	1692.1	1687.8	1695.2	1695.9
15°	1670.5	1671.7	1668.6	1674.2	1676.0
17.5°	1646.9	1647.5	1644.4	1650.6	1651.2
20°	1617.8	1617.8	1615.3	1622.1	1622.1
22.5°	1588.0	1586.2	1585.5	1588.0	1591.7
25°	1549.6	1551.4	1547.1	1552.1	1553.3
27.5°	1512.4	1512.4	1508.7	1511.2	1508.1
30°	1469.6	1467.1	1464.7	1465.3	1462.2
32.5°	1418.2	1418.2	1416.9	1416.9	1413.2
35°	1364.9	1366.1	1363.6	1363.0	1361.2
37.5°	1307.9	1309.7	1305.4	1304.1	1302.9
40°	1242.8	1242.8	1240.9	1238.4	1235.3
42.5°	1175.2	1175.2	1167.1	1161.0	1156.6
45°	1090.9	1093.4	1082.9	1080.4	1071.7
47.5°	1007.2	1005.4	991.1	989.3	984.3
50°	918.0	907.4	887.0	892.6	896.9
52.5°	828.7	815.7	786.0	792.1	799.6
55°	747.5	721.5	686.8	695.5	717.8
57.5°	662.6	627.9	593.2	609.3	637.2
60°	587.6	548.6	510.7	528.1	560.3
62.5°	515.7	474.2	443.8	460.5	487.8
65°	443.8	409.7	386.2	399.2	425.8
67.5°	378.1	355.2	339.0	345.2	366.9
70°	318.6	304.3	295.7	297.5	309.9
72.5°	262.2	258.5	255.4	255.4	256.6
75°	213.2	215.1	216.9	213.8	208.9
77.5°	168.0	174.2	178.5	172.3	166.1
80°	123.3	133.3	138.8	132.0	122.7
82.5°	84.3	95.5	97.3	93.0	82.4
85°	46.5	54.5	55.2	53.3	46.5
87.5°	17.4	20.5	22.3	20.5	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)