

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: P737867

Luminaire Tested: **14PT-50-PP3-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737867  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-50-PP3-L930  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS  
  
Light Source: -  
Ballast/Driver: -

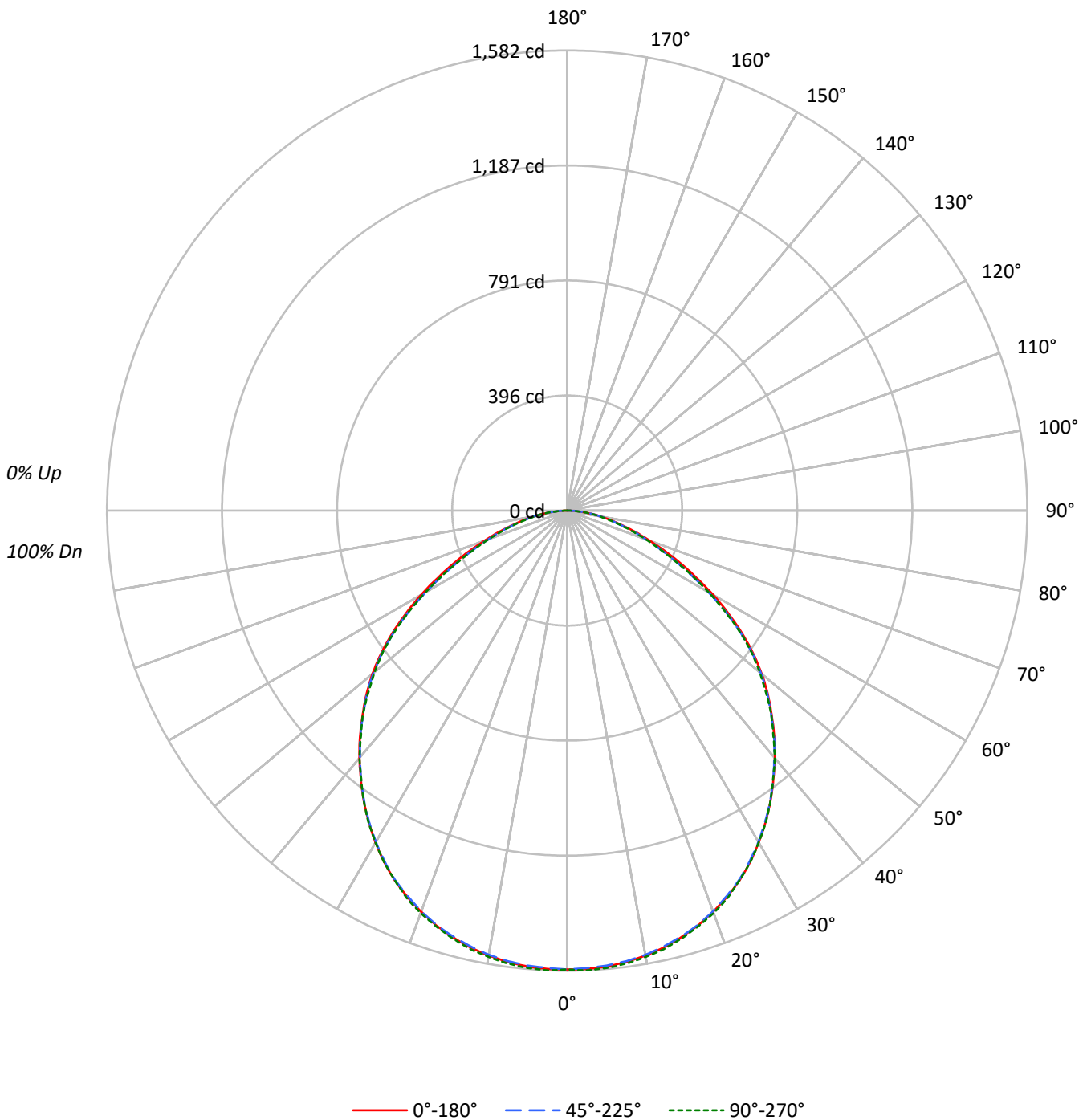
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4077.0 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4731	4731	4731
5°	4735	4725	4751
10°	4729	4722	4744
15°	4713	4704	4725
20°	4681	4678	4698
25°	4640	4632	4638
30°	4562	4552	4562
35°	4463	4456	4461
40°	4349	4335	4346
45°	4218	4206	4211
50°	4076	4058	4028
55°	3838	3793	3781
60°	3483	3366	3372
65°	3060	2905	2901
70°	2646	2525	2495
75°	2289	2202	2156
80°	2027	1998	1908
85°	1675	1734	1634



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.6	3.7
10°-20°	428.7	10.5
20°-30°	645.4	15.8
30°-40°	761.8	18.7
40°-50°	766.1	18.8
50°-60°	646.8	15.9
60°-70°	415.4	10.2
70°-80°	206.6	5.1
80°-90°	56.6	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°	1223.8	30.0
0°-40°	1985.5	48.7
0°-60°	3398.4	83.4
0°-90°	4077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1578	1578	1578	1578	1578	
5°	1573	1574	1570	1577	1578	150
15°	1518	1519	1516	1522	1522	428
25°	1403	1403	1400	1403	1402	645
35°	1219	1220	1218	1219	1219	762
45°	995	998	992	993	993	768
55°	734	734	726	723	723	653
65°	431	425	410	406	409	430
75°	198	196	190	188	186	214
85°	49	50	50	48	48	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1577.9	1577.9	1577.9	1577.9	1577.9
2.5°	1577.3	1577.9	1573.9	1581.3	1582.5
5°	1573.3	1573.9	1569.9	1577.3	1578.5
7.5°	1565.3	1565.9	1562.4	1569.3	1570.4
10°	1553.3	1555.0	1551.0	1557.3	1558.4
12.5°	1538.4	1538.9	1534.9	1542.4	1543.5
15°	1518.3	1518.9	1515.5	1522.3	1522.3
17.5°	1495.4	1496.0	1493.7	1499.4	1498.8
20°	1467.3	1469.1	1466.2	1470.2	1472.5
22.5°	1437.0	1437.6	1434.1	1439.3	1441.6
25°	1402.6	1403.2	1400.3	1403.2	1402.1
27.5°	1362.5	1363.7	1359.7	1362.5	1363.1
30°	1317.9	1320.7	1315.0	1317.3	1317.9
32.5°	1269.8	1271.5	1267.5	1268.0	1270.9
35°	1219.4	1219.9	1217.6	1218.8	1218.8
37.5°	1164.9	1167.2	1163.8	1165.5	1163.2
40°	1111.1	1108.8	1107.7	1108.8	1110.5
42.5°	1054.4	1055.0	1053.3	1052.1	1049.3
45°	994.8	998.3	992.0	993.1	993.1
47.5°	936.4	937.0	933.6	930.1	927.8
50°	874.0	874.0	870.0	867.1	863.7
52.5°	805.8	804.7	800.1	797.2	799.0
55°	734.2	733.7	725.7	722.8	723.4
57.5°	655.8	656.9	644.9	642.0	642.0
60°	580.8	575.0	561.3	557.3	562.4
62.5°	502.3	495.4	480.5	480.5	484.5
65°	431.3	425.0	409.5	405.5	408.9
67.5°	364.8	359.1	344.8	342.5	343.6
70°	301.8	296.7	288.1	282.9	284.6
72.5°	247.4	242.8	237.1	233.1	230.8
75°	197.6	196.4	190.1	188.4	186.1
77.5°	156.4	155.8	150.6	148.3	146.0
80°	117.4	116.8	115.7	112.3	110.5
82.5°	83.6	83.6	83.0	80.2	78.5
85°	48.7	50.4	50.4	47.5	47.5
87.5°	19.5	20.6	19.5	19.5	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)