

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: P738421

Luminaire Tested: **24PT-20-PR1-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738421  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-20-PR1-L940  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

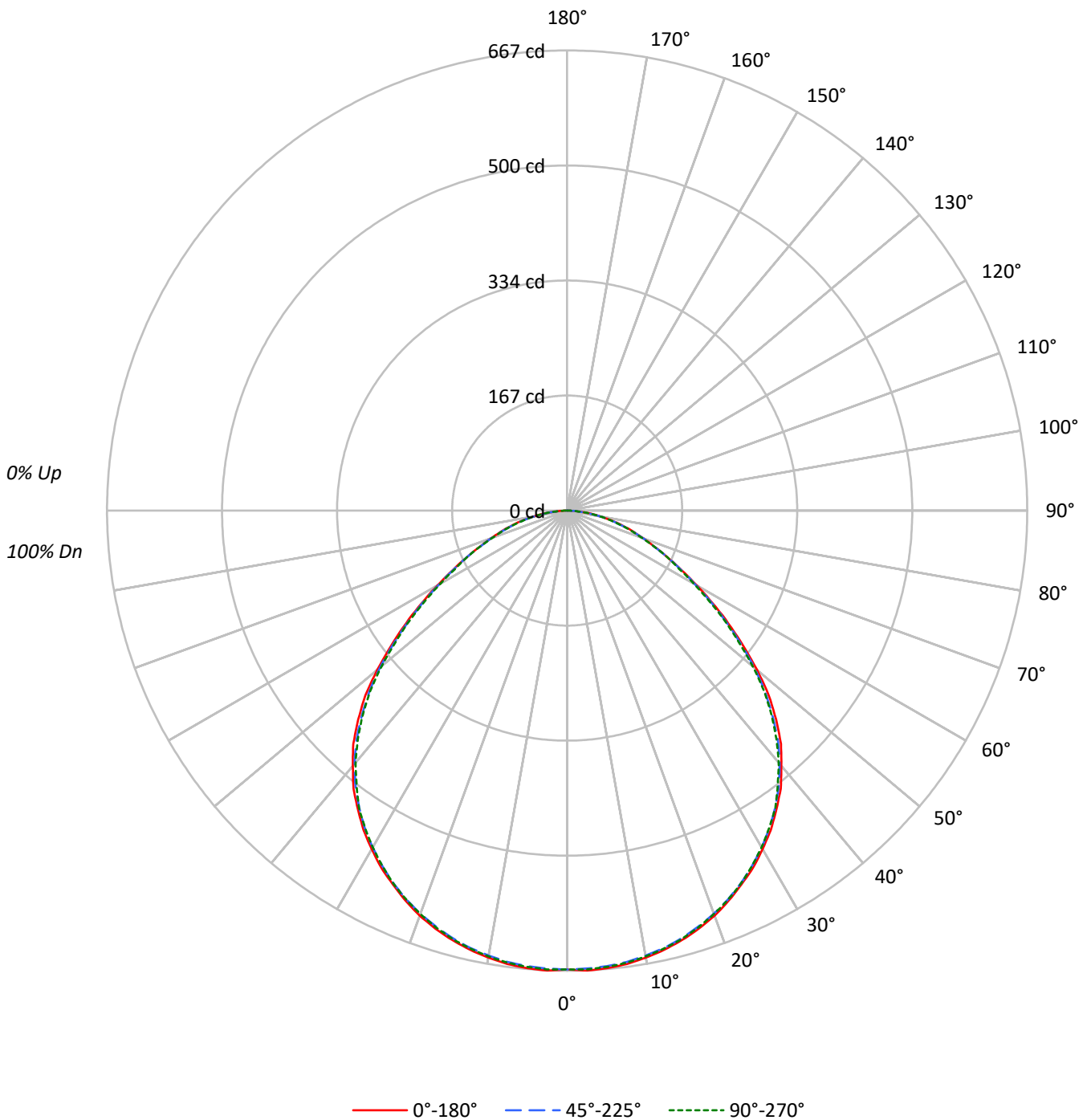
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1694.0 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.1  
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				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	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	954	954	954
5°	958	954	956
10°	958	953	955
15°	957	952	954
20°	954	949	950
25°	946	943	943
30°	938	933	933
35°	925	920	921
40°	904	897	893
45°	868	854	850
50°	801	790	783
55°	713	703	699
60°	622	615	609
65°	545	546	543
70°	491	489	482
75°	456	443	444
80°	408	400	400
85°	314	324	311



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	3.7
10°-20°	181.2	10.7
20°-30°	274.7	16.2
30°-40°	328.5	19.4
40°-50°	324.4	19.1
50°-60°	252.5	14.9
60°-70°	160.3	9.5
70°-80°	86.0	5.1
80°-90°	23.3	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°	519.0	30.6
0°-40°	847.5	50.0
0°-60°	1424.4	84.1
0°-90°	1694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1694.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	666	664	663	663	664	63
15°	644	642	642	641	643	182
25°	598	597	596	595	596	276
35°	529	528	526	524	526	331
45°	428	425	421	419	419	329
55°	285	284	281	280	280	256
65°	161	161	161	159	160	161
75°	82	81	80	80	80	87
85°	19	20	20	20	19	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	665.2	665.2	665.2	665.2	665.2
2.5°	667.4	665.2	664.4	664.0	665.7
5°	665.7	663.7	662.9	662.6	664.0
7.5°	662.9	660.5	659.8	659.4	661.1
10°	657.9	655.7	654.8	654.8	656.2
12.5°	652.0	650.1	649.2	648.5	650.1
15°	644.4	642.1	641.6	640.8	642.7
17.5°	635.3	633.0	632.3	631.9	633.2
20°	624.9	622.1	621.7	621.5	622.3
22.5°	612.1	610.6	609.8	609.5	610.0
25°	597.8	596.6	595.9	594.8	596.3
27.5°	583.8	582.3	580.5	579.6	580.5
30°	566.7	564.9	563.6	563.2	563.6
32.5°	549.1	547.2	545.6	545.4	545.2
35°	528.7	527.6	525.5	523.8	526.1
37.5°	508.4	505.8	504.0	501.9	501.4
40°	483.2	482.3	479.1	477.2	477.1
42.5°	458.7	454.4	452.2	450.9	448.8
45°	428.2	425.2	421.3	419.3	419.1
47.5°	396.5	392.7	389.0	386.2	387.0
50°	359.3	357.7	354.1	351.7	350.8
52.5°	321.1	320.7	317.0	315.5	313.8
55°	285.4	283.9	281.3	279.5	279.5
57.5°	250.3	249.0	247.7	244.2	244.2
60°	216.9	216.7	214.5	212.4	212.3
62.5°	187.0	188.1	186.1	184.0	182.9
65°	160.6	161.2	160.8	158.8	159.9
67.5°	137.4	137.6	136.9	135.7	136.5
70°	117.0	117.9	116.6	115.9	114.9
72.5°	99.2	98.8	97.7	98.2	96.9
75°	82.4	81.1	80.0	79.8	80.2
77.5°	65.7	65.4	64.4	64.4	63.9
80°	49.4	49.0	48.5	48.7	48.5
82.5°	35.1	34.2	33.4	33.8	34.0
85°	19.1	19.5	19.7	19.7	18.9
87.5°	7.8	7.6	7.8	8.2	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)