

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: P738117

Luminaire Tested: **22PT-25-PR1-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PR1-L940  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

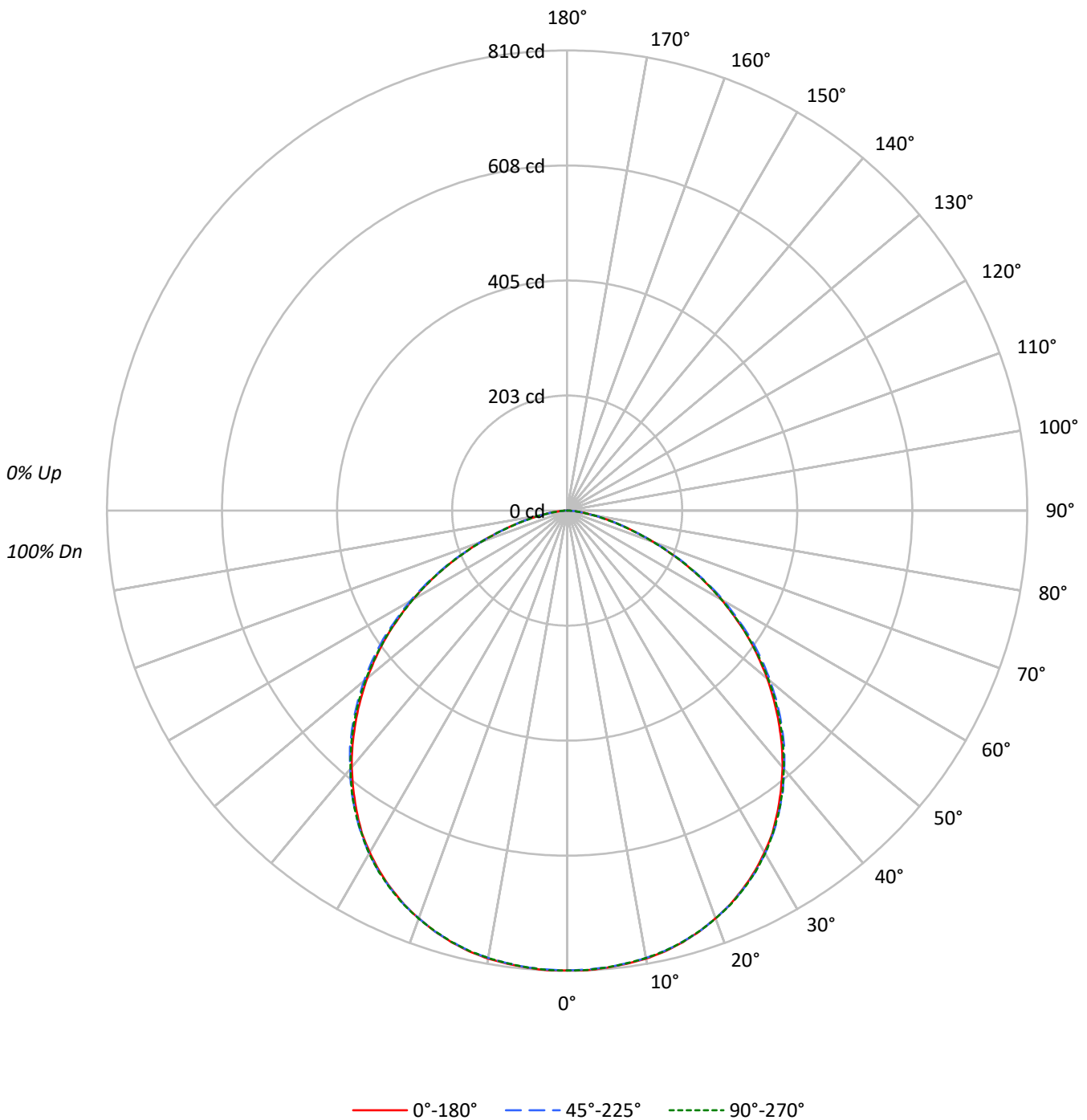
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2163.0 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.6  
Input Voltage (V): NR  
Input Current (Ain): 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	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	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	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	2372	2372	2372
5°	2375	2374	2374
10°	2383	2379	2379
15°	2385	2383	2384
20°	2382	2382	2383
25°	2372	2375	2377
30°	2351	2358	2359
35°	2311	2324	2323
40°	2257	2273	2270
45°	2183	2211	2200
50°	2095	2126	2109
55°	1988	2020	1991
60°	1843	1868	1837
65°	1645	1661	1642
70°	1384	1384	1374
75°	1085	1085	1072
80°	793	785	781
85°	518	518	528



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	3.6
10°-20°	221.8	10.3
20°-30°	338.4	15.6
30°-40°	405.5	18.7
40°-50°	409.5	18.9
50°-60°	350.4	16.2
60°-70°	236.3	10.9
70°-80°	104.3	4.8
80°-90°	20.0	0.9
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°	637.0	29.4
0°-40°	1042.5	48.2
0°-60°	1802.4	83.3
0°-90°	2163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2163.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	808	806	807	806	807	77
15°	786	786	786	785	786	222
25°	734	734	734	734	735	338
35°	646	650	650	649	649	404
45°	527	531	534	533	531	406
55°	389	393	395	395	390	347
65°	237	239	240	239	237	234
75°	96	96	96	96	95	104
85°	15	15	15	16	16	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	809.5	809.5	809.5	809.5	809.5
2.5°	810.0	808.9	808.6	808.4	809.5
5°	807.6	806.5	807.0	806.5	807.0
7.5°	804.6	803.5	803.8	803.2	803.8
10°	800.9	799.7	799.7	799.2	799.7
12.5°	794.8	794.1	793.8	793.2	794.1
15°	786.4	786.2	785.7	785.4	785.9
17.5°	776.2	775.7	776.2	775.4	775.9
20°	764.0	764.3	763.8	764.0	764.3
22.5°	750.2	750.2	750.5	750.5	751.1
25°	733.8	734.5	734.5	734.5	735.1
27.5°	715.4	716.5	717.2	716.7	717.2
30°	694.8	696.7	696.9	696.7	697.2
32.5°	672.6	674.0	674.7	674.2	673.7
35°	646.1	649.9	649.7	649.1	649.4
37.5°	618.3	622.1	623.4	622.3	622.6
40°	590.1	593.4	594.2	594.5	593.4
42.5°	559.0	562.8	565.8	564.4	562.8
45°	526.8	530.9	533.6	532.8	530.9
47.5°	493.6	497.3	501.1	499.8	497.9
50°	459.5	463.3	466.5	466.0	462.7
52.5°	424.6	428.9	431.9	430.8	426.5
55°	389.2	392.7	395.4	394.9	389.8
57.5°	350.8	355.4	356.7	355.9	352.2
60°	314.5	317.6	318.8	317.8	313.4
62.5°	275.8	278.3	279.4	279.1	276.2
65°	237.2	239.1	239.6	239.1	236.9
67.5°	197.5	200.1	200.4	200.4	198.2
70°	161.5	162.2	161.5	163.6	160.4
72.5°	126.6	127.1	126.6	126.6	125.2
75°	95.8	96.0	95.8	96.0	94.7
77.5°	69.2	69.8	68.7	69.5	68.2
80°	47.0	47.0	46.5	46.8	46.3
82.5°	29.2	29.7	29.0	29.0	28.7
85°	15.4	15.4	15.4	15.7	15.7
87.5°	5.4	5.4	5.6	5.6	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)