

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: P738454

Luminaire Tested: **24PT-30-PR1-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738454  
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-30-PR1-L950  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -  
Ballast/Driver: -

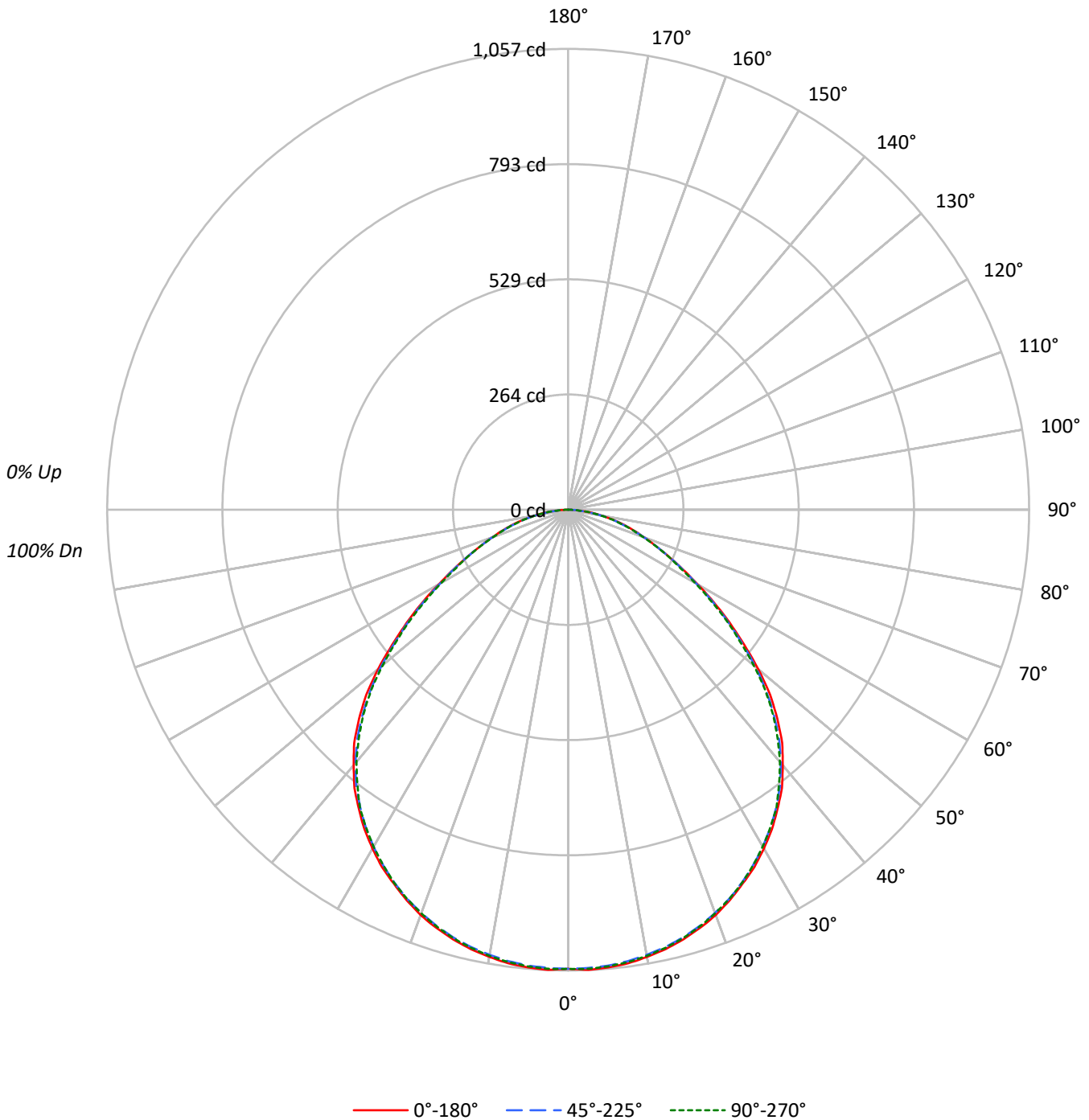
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2682.0 lumens  
Efficiency: N/A  
Efficacy: 112.7 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): 23.8  
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°	1510	1510	1510
5°	1517	1511	1513
10°	1517	1509	1513
15°	1514	1508	1510
20°	1510	1502	1503
25°	1497	1493	1493
30°	1486	1477	1477
35°	1465	1456	1458
40°	1432	1420	1414
45°	1375	1353	1346
50°	1269	1251	1239
55°	1130	1113	1106
60°	985	974	964
65°	863	864	859
70°	776	774	763
75°	723	702	704
80°	646	633	633
85°	498	513	494



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	3.7
10°-20°	286.9	10.7
20°-30°	434.9	16.2
30°-40°	520.2	19.4
40°-50°	513.6	19.1
50°-60°	399.7	14.9
60°-70°	253.8	9.5
70°-80°	136.2	5.1
80°-90°	36.9	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°	821.6	30.6
0°-40°	1341.8	50.0
0°-60°	2255.1	84.1
0°-90°	2682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2682.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1054	1051	1050	1049	1051	100
15°	1020	1017	1016	1015	1018	288
25°	946	945	943	942	944	437
35°	837	835	832	829	833	523
45°	678	673	667	664	664	520
55°	452	450	445	442	442	405
65°	254	255	255	251	253	255
75°	130	128	127	126	127	138
85°	30	31	31	31	30	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1053.1	1053.1	1053.1	1053.1	1053.1
2.5°	1056.6	1053.1	1051.9	1051.3	1054.0
5°	1054.0	1050.8	1049.6	1049.0	1051.3
7.5°	1049.6	1045.8	1044.6	1044.0	1046.6
10°	1041.6	1038.1	1036.6	1036.6	1039.0
12.5°	1032.2	1029.3	1027.8	1026.6	1029.3
15°	1020.2	1016.7	1015.8	1014.6	1017.5
17.5°	1005.8	1002.2	1001.1	1000.5	1002.5
20°	989.3	984.9	984.3	984.0	985.2
22.5°	969.0	966.7	965.5	964.9	965.8
25°	946.4	944.6	943.4	941.7	944.0
27.5°	924.3	922.0	919.0	917.6	919.0
30°	897.3	894.3	892.3	891.7	892.3
32.5°	869.4	866.4	863.8	863.5	863.2
35°	837.0	835.3	832.0	829.4	832.9
37.5°	805.0	800.9	797.9	794.7	793.8
40°	765.0	763.5	758.5	755.6	755.3
42.5°	726.2	719.4	715.9	713.8	710.6
45°	678.0	673.3	667.1	663.9	663.6
47.5°	627.7	621.8	615.9	611.5	612.7
50°	568.9	566.2	560.7	556.8	555.4
52.5°	508.3	507.7	501.9	499.5	496.9
55°	451.9	449.5	445.4	442.5	442.5
57.5°	396.3	394.3	392.2	386.6	386.6
60°	343.4	343.1	339.6	336.3	336.0
62.5°	296.1	297.8	294.6	291.4	289.6
65°	254.3	255.2	254.6	251.4	253.1
67.5°	217.6	217.9	216.7	214.9	216.1
70°	185.2	186.7	184.6	183.5	182.0
72.5°	157.0	156.4	154.6	155.5	153.5
75°	130.5	128.5	126.7	126.4	127.0
77.5°	104.1	103.5	102.0	102.0	101.1
80°	78.2	77.6	76.7	77.0	76.7
82.5°	55.6	54.1	52.9	53.5	53.8
85°	30.3	30.9	31.2	31.2	30.0
87.5°	12.3	12.1	12.3	12.9	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)