

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: P737971

Luminaire Tested: **14PT-70-PR1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737971  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PR1-L930  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

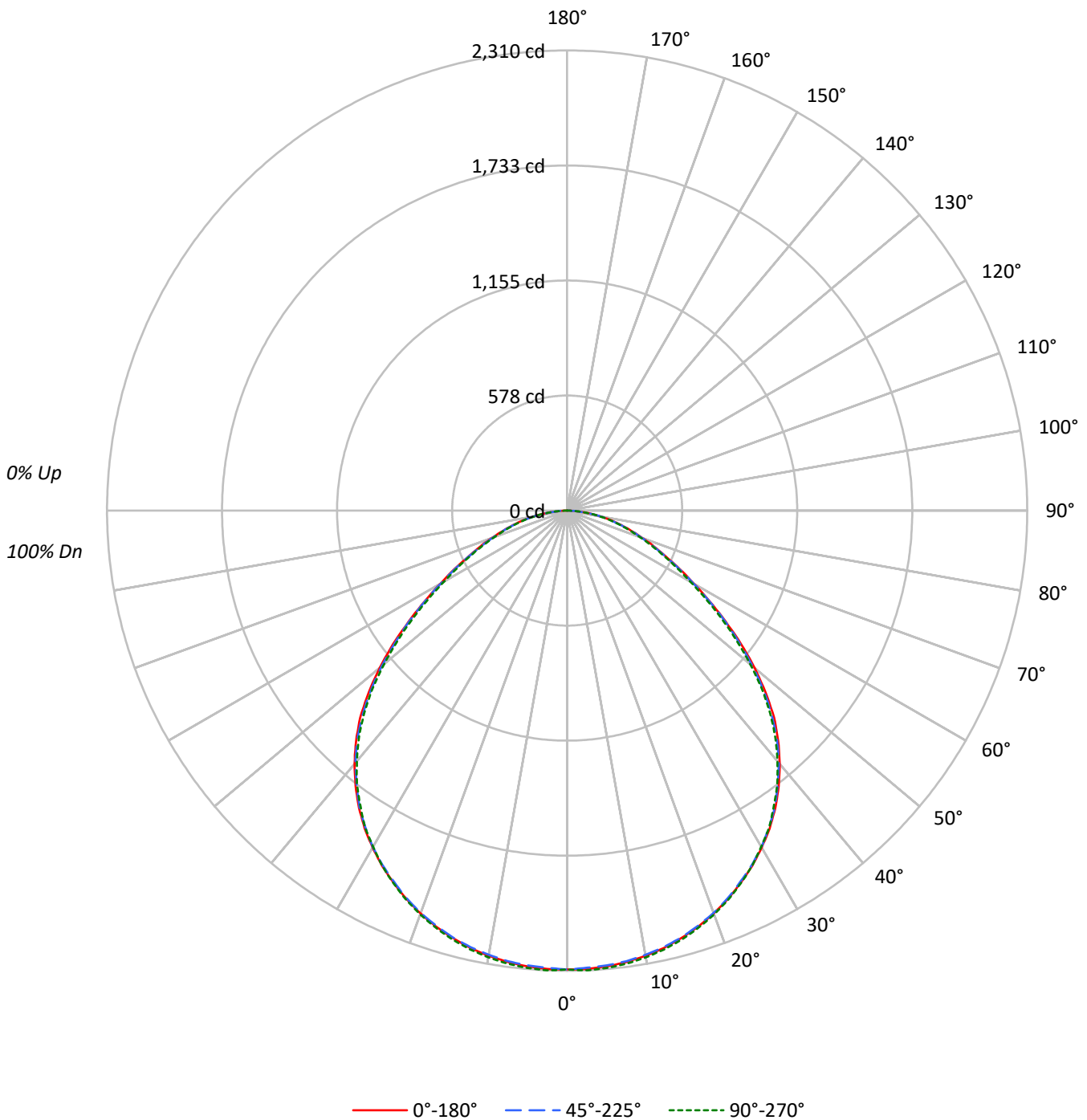
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5826.0 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 62.7  
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29					27				

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

	0°	45°	90°
0°	6907	6907	6907
5°	6913	6898	6935
10°	6908	6895	6933
15°	6894	6884	6917
20°	6865	6857	6883
25°	6820	6804	6828
30°	6760	6752	6743
35°	6667	6651	6624
40°	6499	6473	6427
45°	6228	6158	6113
50°	5730	5665	5596
55°	5071	5050	4950
60°	4407	4392	4273
65°	3883	3860	3784
70°	3525	3474	3402
75°	3262	3186	3128
80°	2980	2937	2837
85°	2356	2329	2243



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.5	3.8
10°-20°	627.2	10.8
20°-30°	950.2	16.3
30°-40°	1134.3	19.5
40°-50°	1115.5	19.1
50°-60°	862.2	14.8
60°-70°	543.7	9.3
70°-80°	294.1	5.0
80°-90°	80.3	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°	1795.9	30.8
0°-40°	2930.2	50.3
0°-60°	4908.0	84.2
0°-90°	5826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5826.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2304	2304	2304	2304	2304	
5°	2297	2298	2292	2302	2304	218
15°	2221	2222	2218	2225	2228	627
25°	2062	2063	2057	2063	2064	950
35°	1822	1822	1817	1815	1810	1137
45°	1469	1463	1452	1441	1442	1125
55°	970	978	966	950	947	871
65°	547	548	544	535	533	551
75°	282	278	275	277	270	299
85°	68	69	68	68	65	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2303.7	2303.7	2303.7	2303.7	2303.7
2.5°	2302.9	2303.7	2297.1	2307.8	2310.3
5°	2297.1	2297.9	2292.1	2302.0	2304.5
7.5°	2285.5	2287.2	2281.4	2291.3	2293.8
10°	2269.0	2270.7	2264.9	2274.8	2277.3
12.5°	2248.4	2249.2	2244.2	2253.3	2255.8
15°	2221.1	2221.9	2217.8	2225.2	2228.5
17.5°	2189.7	2190.6	2184.8	2193.9	2195.5
20°	2151.8	2152.6	2149.3	2156.7	2157.5
22.5°	2109.6	2111.3	2106.3	2112.9	2113.8
25°	2061.8	2063.4	2056.8	2063.4	2064.2
27.5°	2011.4	2012.2	2006.4	2011.4	2010.6
30°	1952.8	1957.7	1950.3	1948.6	1947.8
32.5°	1891.7	1892.5	1885.1	1883.4	1886.7
35°	1821.5	1822.3	1817.3	1814.9	1809.9
37.5°	1744.7	1744.7	1735.6	1734.0	1733.1
40°	1660.5	1659.6	1653.9	1648.1	1642.3
42.5°	1568.8	1570.5	1558.9	1549.0	1547.3
45°	1468.9	1463.1	1452.4	1440.8	1441.7
47.5°	1350.8	1352.5	1337.6	1328.5	1326.1
50°	1228.6	1228.6	1214.6	1204.7	1199.7
52.5°	1100.6	1101.5	1088.3	1075.1	1072.6
55°	970.2	978.4	966.1	950.4	947.1
57.5°	848.0	854.6	843.0	826.5	825.7
60°	734.9	735.7	732.4	716.7	712.6
62.5°	638.3	634.1	632.5	624.2	619.3
65°	547.4	548.3	544.1	535.0	533.4
67.5°	473.9	473.1	465.7	459.9	456.6
70°	402.1	399.6	396.3	391.4	388.1
72.5°	337.7	337.7	335.2	333.6	327.8
75°	281.6	278.3	275.0	276.6	270.0
77.5°	227.9	224.6	222.1	218.8	217.2
80°	172.6	169.3	170.1	165.1	164.3
82.5°	119.7	119.7	118.1	113.9	114.8
85°	68.5	69.4	67.7	68.5	65.2
87.5°	24.8	25.6	27.2	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)