

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: P737979

Luminaire Tested: **14PT-70-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PW1-L930
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

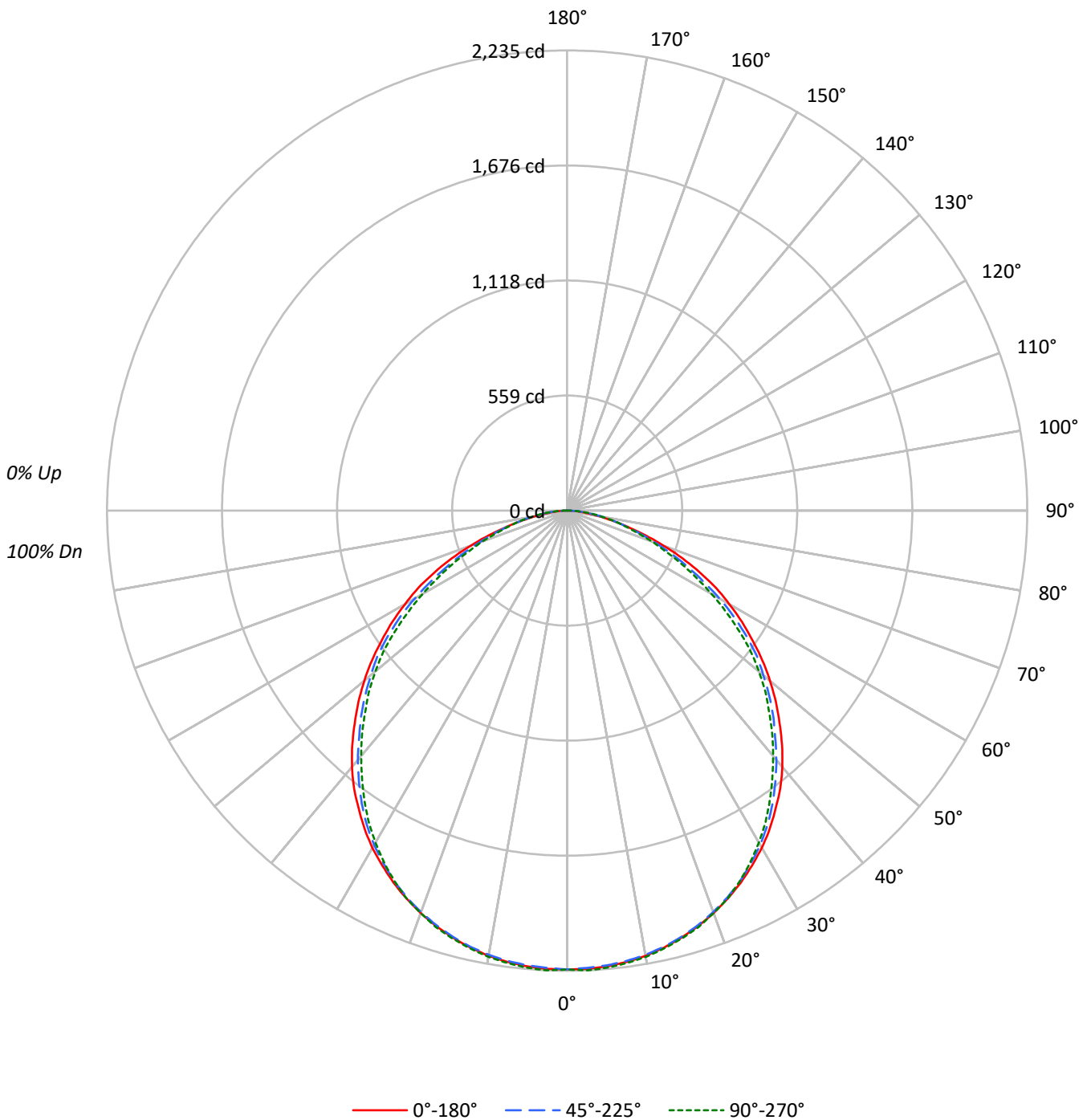
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5914.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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 (A_{in}): 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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6682	6682	6682
5°	6687	6672	6707
10°	6684	6669	6701
15°	6663	6653	6679
20°	6636	6620	6636
25°	6599	6572	6566
30°	6549	6492	6446
35°	6461	6364	6283
40°	6363	6188	6092
45°	6186	6004	5882
50°	6000	5804	5669
55°	5749	5555	5335
60°	5451	5129	4862
65°	5043	4581	4352
70°	4371	3988	3836
75°	3491	3415	3319
80°	2652	2964	2964
85°	1961	2528	2528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.3	3.6
10°-20°	606.2	10.2
20°-30°	916.1	15.5
30°-40°	1087.8	18.4
40°-50°	1096.0	18.5
50°-60°	947.3	16.0
60°-70°	647.4	10.9
70°-80°	319.3	5.4
80°-90°	82.6	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°	1733.6	29.3
0°-40°	2821.4	47.7
0°-60°	4864.7	82.3
0°-90°	5914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2222	2223	2217	2226	2229	211
15°	2147	2149	2144	2151	2152	606
25°	1995	1993	1987	1988	1985	919
35°	1765	1760	1739	1723	1717	1105
45°	1459	1443	1416	1400	1387	1126
55°	1100	1096	1063	1031	1021	983
65°	711	685	646	618	614	702
75°	301	299	295	295	286	328
85°	57	67	74	75	74	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2228.6	2228.6	2228.6	2228.6	2228.6
2.5°	2227.8	2228.6	2222.8	2232.7	2235.2
5°	2222.0	2222.8	2217.0	2226.1	2228.6
7.5°	2211.2	2212.9	2206.3	2215.4	2217.0
10°	2195.6	2196.4	2190.6	2199.7	2201.3
12.5°	2174.1	2174.9	2170.0	2178.2	2178.2
15°	2146.8	2149.3	2143.5	2151.0	2151.8
17.5°	2116.3	2117.1	2111.3	2119.6	2121.2
20°	2080.0	2080.0	2075.0	2081.6	2080.0
22.5°	2039.5	2039.5	2033.7	2037.0	2038.7
25°	1994.9	1993.3	1986.7	1988.3	1985.0
27.5°	1943.7	1943.7	1932.2	1932.2	1926.4
30°	1891.7	1887.6	1875.2	1867.7	1862.0
32.5°	1832.2	1826.5	1810.8	1797.6	1793.4
35°	1765.4	1759.6	1738.9	1723.3	1716.6
37.5°	1701.0	1687.7	1660.5	1644.8	1637.4
40°	1625.8	1609.3	1581.2	1559.8	1556.5
42.5°	1544.9	1531.7	1495.4	1479.7	1475.5
45°	1459.0	1443.3	1416.1	1399.6	1387.2
47.5°	1374.8	1363.2	1331.9	1312.0	1307.9
50°	1286.5	1276.5	1244.3	1222.9	1215.4
52.5°	1194.8	1188.2	1160.9	1133.7	1124.6
55°	1099.8	1096.5	1062.7	1031.3	1020.6
57.5°	1006.5	1002.4	960.3	924.0	914.1
60°	909.1	896.7	855.4	821.6	810.8
62.5°	816.6	790.2	745.6	719.2	706.8
65°	710.9	685.3	645.7	617.6	613.5
67.5°	606.9	576.3	545.8	528.5	515.2
70°	498.7	478.1	455.0	440.1	437.6
72.5°	398.0	383.1	371.6	362.5	355.1
75°	301.4	298.9	294.8	294.8	286.5
77.5°	221.3	227.1	230.4	229.5	231.2
80°	153.6	165.1	171.7	172.6	171.7
82.5°	97.4	110.6	121.4	123.0	124.7
85°	57.0	66.9	73.5	75.1	73.5
87.5°	25.6	32.2	33.9	35.5	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)