

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: P738309

Luminaire Tested: **22PT-60-PR1-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738309  
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-60-PR1-L940  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -  
Ballast/Driver: -

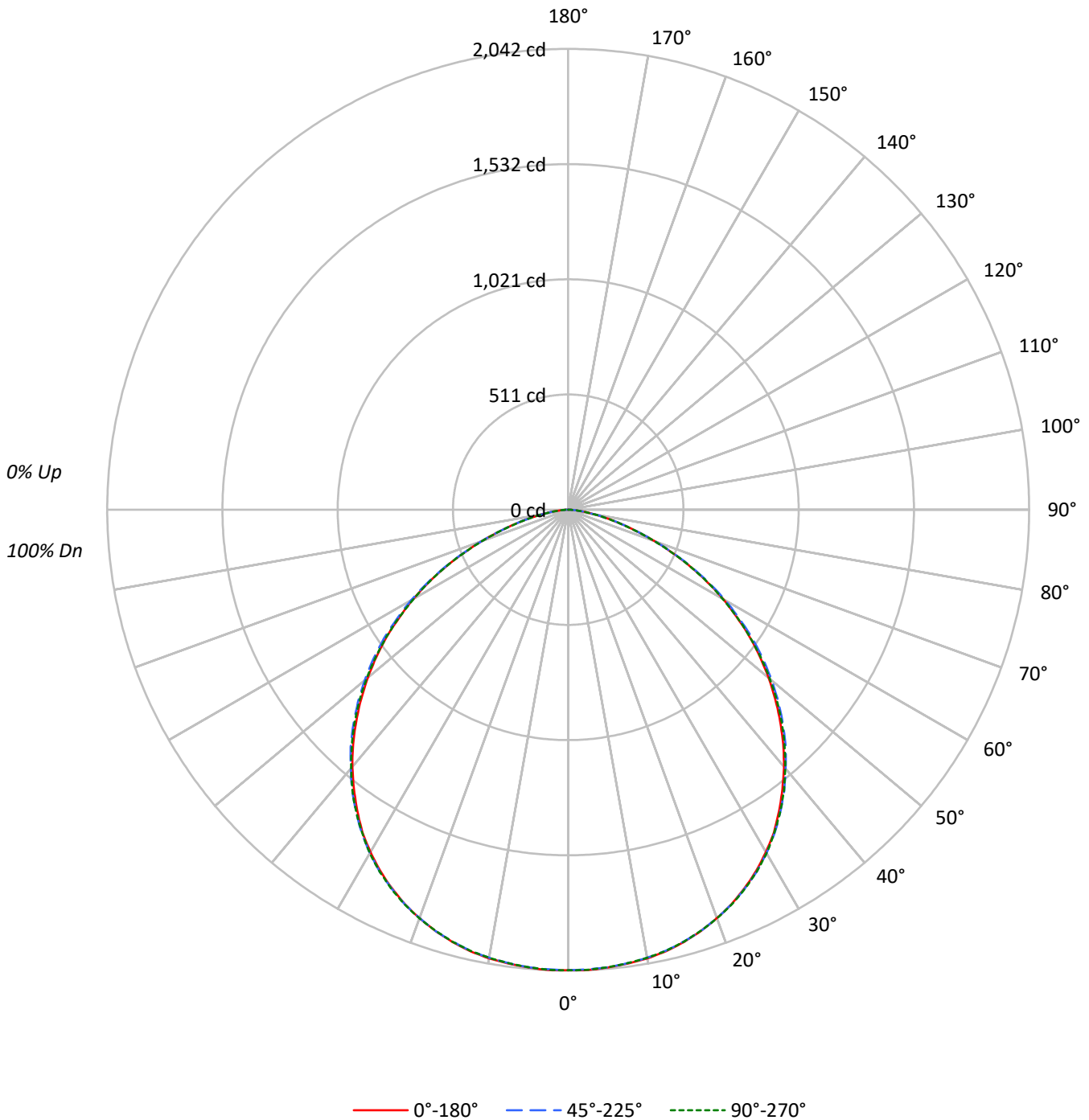
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5453.0 lumens  
Efficiency: N/A  
Efficacy: 105.3 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): 51.8  
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

TEST NUMBER: P738309  
CATALOG NUMBER: 22PT-60-PR1-L940

### 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°	5979	5979	5979
5°	5988	5984	5984
10°	6007	5998	5998
15°	6014	6008	6010
20°	6006	6004	6008
25°	5980	5987	5992
30°	5926	5945	5947
35°	5826	5858	5856
40°	5690	5729	5722
45°	5504	5575	5546
50°	5281	5361	5317
55°	5012	5092	5020
60°	4646	4710	4631
65°	4146	4188	4140
70°	3488	3488	3464
75°	2733	2733	2702
80°	2001	1978	1969
85°	1304	1304	1331



TEST NUMBER: P738309

CATALOG NUMBER: 22PT-60-PR1-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.6	3.6
10°-20°	559.2	10.3
20°-30°	853.0	15.6
30°-40°	1022.3	18.7
40°-50°	1032.5	18.9
50°-60°	883.4	16.2
60°-70°	595.7	10.9
70°-80°	262.8	4.8
80°-90°	50.4	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°	1605.9	29.4
0°-40°	2628.2	48.2
0°-60°	4544.1	83.3
0°-90°	5453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5453.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2041	2041	2041	2041	2041	
5°	2036	2033	2035	2033	2035	194
15°	1983	1982	1981	1980	1981	560
25°	1850	1852	1852	1852	1853	852
35°	1629	1638	1638	1636	1637	1018
45°	1328	1338	1345	1343	1338	1024
55°	981	990	997	996	983	874
65°	598	603	604	603	597	591
75°	241	242	241	242	239	263
85°	39	39	39	40	40	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2040.7	2040.7	2040.7	2040.7	2040.7
2.5°	2042.0	2039.4	2038.6	2038.0	2040.7
5°	2035.9	2033.2	2034.6	2033.2	2034.6
7.5°	2028.4	2025.7	2026.5	2024.9	2026.5
10°	2019.0	2016.1	2016.1	2014.8	2016.1
12.5°	2003.8	2001.9	2001.1	1999.8	2001.9
15°	1982.7	1982.1	1980.7	1980.0	1981.3
17.5°	1956.9	1955.6	1956.9	1954.8	1956.1
20°	1926.1	1926.9	1925.6	1926.1	1926.9
22.5°	1891.4	1891.4	1892.1	1892.1	1893.5
25°	1849.8	1851.8	1851.8	1851.8	1853.3
27.5°	1803.5	1806.2	1808.1	1806.8	1808.1
30°	1751.6	1756.4	1757.0	1756.4	1757.8
32.5°	1695.7	1699.1	1701.1	1699.7	1698.4
35°	1628.8	1638.4	1637.8	1636.3	1637.1
37.5°	1558.6	1568.2	1571.5	1568.8	1569.6
40°	1487.7	1496.0	1497.9	1498.7	1496.0
42.5°	1409.3	1418.9	1426.4	1422.9	1418.9
45°	1328.2	1338.4	1345.3	1343.2	1338.4
47.5°	1244.4	1253.8	1263.4	1259.9	1255.3
50°	1158.5	1167.9	1176.1	1174.8	1166.5
52.5°	1070.4	1081.4	1088.9	1086.2	1075.2
55°	981.2	990.1	996.8	995.5	982.6
57.5°	884.4	895.9	899.4	897.2	887.8
60°	792.9	800.6	803.8	801.1	790.2
62.5°	695.4	701.6	704.3	703.7	696.2
65°	598.0	602.8	604.1	602.8	597.2
67.5°	497.8	504.6	505.3	505.3	499.7
70°	407.1	409.0	407.1	412.5	404.4
72.5°	319.1	320.4	319.1	319.1	315.6
75°	241.4	242.0	241.4	242.0	238.7
77.5°	174.5	175.9	173.2	175.3	171.8
80°	118.6	118.6	117.2	118.0	116.7
82.5°	73.6	75.0	73.0	73.0	72.3
85°	38.8	38.8	38.8	39.6	39.6
87.5°	13.6	13.6	14.2	14.2	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)