

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: P738305

Luminaire Tested: **22PT-60-PR1-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738305  
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-L840  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

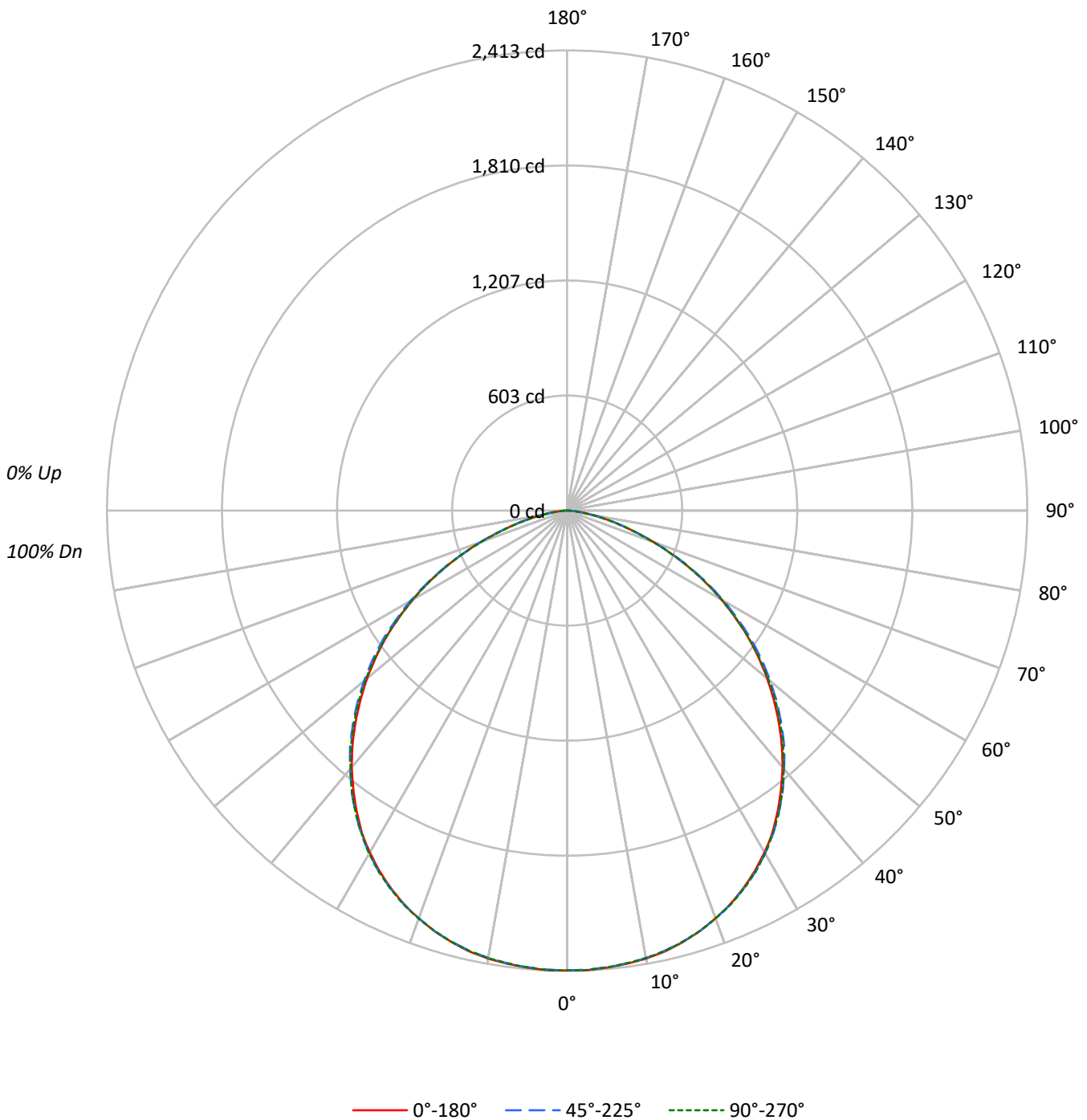
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6443.0 lumens  
Efficiency: N/A  
Efficacy: 124.4 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 (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

TEST NUMBER: P738305  
CATALOG NUMBER: 22PT-60-PR1-L840

### Luminous Intensity Polar Plot





TEST NUMBER: P738305

CATALOG NUMBER: 22PT-60-PR1-L840

**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°	7065	7065	7065
5°	7075	7070	7070
10°	7097	7087	7087
15°	7106	7099	7101
20°	7096	7094	7099
25°	7066	7073	7080
30°	7002	7024	7027
35°	6884	6922	6919
40°	6723	6769	6761
45°	6503	6586	6552
50°	6239	6335	6283
55°	5923	6017	5931
60°	5490	5566	5471
65°	4898	4949	4892
70°	4121	4121	4093
75°	3229	3229	3194
80°	2364	2337	2327
85°	1543	1543	1573



TEST NUMBER: P738305

CATALOG NUMBER: 22PT-60-PR1-L840

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.7	3.6
10°-20°	660.8	10.3
20°-30°	1007.9	15.6
30°-40°	1207.9	18.7
40°-50°	1219.9	18.9
50°-60°	1043.8	16.2
60°-70°	703.9	10.9
70°-80°	310.5	4.8
80°-90°	59.6	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°	1897.4	29.4
0°-40°	3105.3	48.2
0°-60°	5369.0	83.3
0°-90°	6443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6443.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2411	2411	2411	2411	2411	
5°	2406	2402	2404	2402	2404	229
15°	2343	2342	2340	2339	2341	661
25°	2186	2188	2188	2188	2190	1007
35°	1924	1936	1935	1933	1934	1203
45°	1569	1581	1590	1587	1581	1209
55°	1159	1170	1178	1176	1161	1033
65°	706	712	714	712	706	698
75°	285	286	285	286	282	310
85°	46	46	46	47	47	60
90°	0	0	0	0	0	



TEST NUMBER: P738305

CATALOG NUMBER: 22PT-60-PR1-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2411.2	2411.2	2411.2	2411.2	2411.2
2.5°	2412.8	2409.6	2408.7	2408.0	2411.2
5°	2405.5	2402.3	2403.9	2402.3	2403.9
7.5°	2396.7	2393.5	2394.4	2392.6	2394.4
10°	2385.5	2382.1	2382.1	2380.5	2382.1
12.5°	2367.6	2365.3	2364.4	2362.8	2365.3
15°	2342.6	2341.9	2340.3	2339.4	2341.0
17.5°	2312.2	2310.6	2312.2	2309.7	2311.3
20°	2275.8	2276.7	2275.2	2275.8	2276.7
22.5°	2234.7	2234.7	2235.6	2235.6	2237.2
25°	2185.7	2187.9	2187.9	2187.9	2189.8
27.5°	2130.9	2134.1	2136.4	2134.8	2136.4
30°	2069.6	2075.3	2076.0	2075.3	2076.9
32.5°	2003.5	2007.6	2009.9	2008.3	2006.7
35°	1924.5	1935.9	1935.2	1933.4	1934.3
37.5°	1841.6	1853.0	1856.8	1853.6	1854.6
40°	1757.8	1767.6	1769.8	1770.8	1767.6
42.5°	1665.1	1676.5	1685.4	1681.3	1676.5
45°	1569.3	1581.3	1589.5	1587.0	1581.3
47.5°	1470.3	1481.4	1492.8	1488.7	1483.2
50°	1368.8	1379.9	1389.7	1388.1	1378.3
52.5°	1264.8	1277.7	1286.6	1283.4	1270.4
55°	1159.4	1169.8	1177.8	1176.2	1161.0
57.5°	1044.9	1058.5	1062.6	1060.1	1049.0
60°	936.8	945.9	949.8	946.6	933.6
62.5°	821.7	828.9	832.1	831.4	822.6
65°	706.5	712.2	713.8	712.2	705.6
67.5°	588.2	596.2	597.1	597.1	590.5
70°	481.0	483.3	481.0	487.4	477.8
72.5°	377.0	378.6	377.0	377.0	372.9
75°	285.2	285.9	285.2	285.9	282.1
77.5°	206.2	207.8	204.6	207.1	203.0
80°	140.1	140.1	138.5	139.4	137.9
82.5°	87.0	88.6	86.3	86.3	85.4
85°	45.9	45.9	45.9	46.8	46.8
87.5°	16.1	16.1	16.8	16.8	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)