

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: P738031

Luminaire Tested: **22PT-20-PB1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738031  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PB1-L830  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

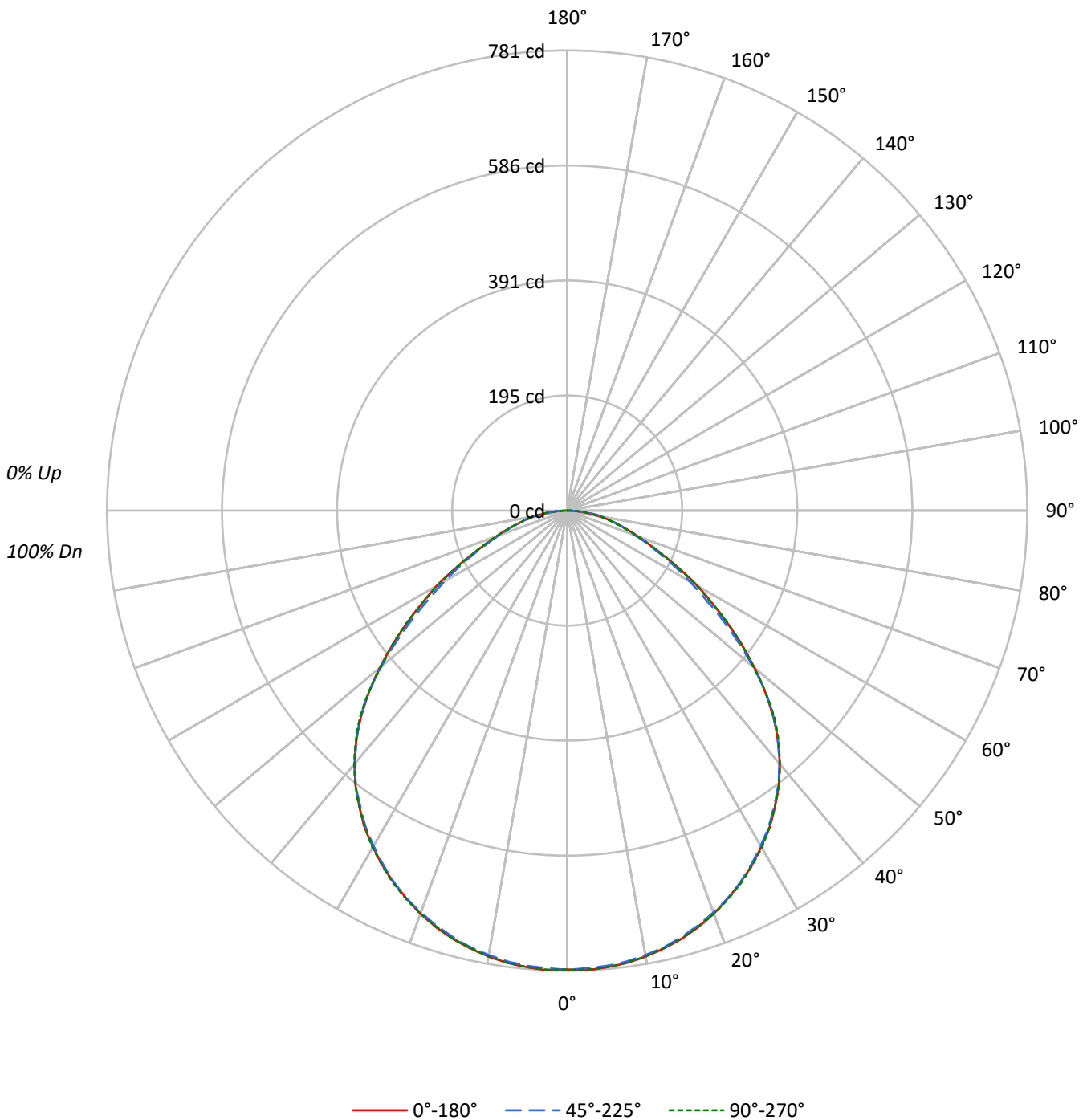
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1964.0 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.8  
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: P738031  
CATALOG NUMBER: 22PT-20-PB1-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P738031

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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	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	86																												
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	81	73	68	78	72	67	75	70	65	72	68	64	62																												
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54																												
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47																												
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41																												
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																												
8	63	49	41	36	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	40	33	29	39	33	29	27																												

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

	0°	45°	90°
0°	2283	2283	2283
5°	2288	2281	2288
10°	2286	2279	2286
15°	2281	2273	2280
20°	2270	2263	2271
25°	2251	2249	2256
30°	2228	2223	2235
35°	2198	2191	2198
40°	2147	2143	2150
45°	2051	2055	2063
50°	1894	1878	1881
55°	1692	1635	1699
60°	1494	1403	1484
65°	1251	1212	1251
70°	1085	1055	1091
75°	989	1004	989
80°	930	1009	935
85°	810	988	830



TEST NUMBER: P738031

CATALOG NUMBER: 22PT-20-PB1-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.9	3.8
10°-20°	211.8	10.8
20°-30°	320.7	16.3
30°-40°	383.6	19.5
40°-50°	379.8	19.3
50°-60°	292.0	14.9
60°-70°	177.8	9.1
70°-80°	94.1	4.8
80°-90°	30.1	1.5
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°	606.4	30.9
0°-40°	990.0	50.4
0°-60°	1661.9	84.6
0°-90°	1964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1964.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	779	779	779	779	779	
5°	778	778	776	777	778	74
15°	752	751	749	751	752	212
25°	696	696	696	697	698	321
35°	615	614	612	614	615	384
45°	495	495	496	496	498	380
55°	331	327	320	326	332	297
65°	180	176	175	174	180	182
75°	87	87	89	88	87	94
85°	24	28	29	28	25	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	779.0	779.0	779.0	779.0	779.0
2.5°	780.9	779.6	777.4	779.0	779.9
5°	778.0	777.7	775.5	776.7	778.0
7.5°	774.5	773.6	772.0	773.3	774.2
10°	768.5	767.9	766.0	767.6	768.2
12.5°	760.9	760.3	759.0	760.3	760.0
15°	752.1	750.8	749.2	750.8	751.7
17.5°	741.0	739.7	738.4	739.4	740.0
20°	728.0	726.1	725.8	727.0	728.3
22.5°	712.5	712.5	712.2	713.1	713.7
25°	696.3	695.7	695.7	696.6	697.9
27.5°	678.9	677.6	677.0	678.6	679.5
30°	658.6	658.3	657.1	659.6	660.5
32.5°	639.0	635.8	636.5	637.7	638.1
35°	614.6	614.0	612.4	614.3	614.6
37.5°	589.9	589.6	588.7	589.3	589.6
40°	561.4	561.1	560.2	561.4	562.1
42.5°	529.8	529.1	529.1	530.1	531.0
45°	494.9	495.2	495.9	496.2	497.8
47.5°	456.0	456.6	457.2	456.6	456.9
50°	415.4	415.1	412.0	414.2	412.6
52.5°	372.7	368.0	365.4	370.5	374.0
55°	331.2	326.8	320.1	325.8	332.5
57.5°	291.3	283.7	276.8	283.4	290.1
60°	254.9	243.2	239.4	243.5	253.3
62.5°	216.0	207.7	206.5	207.1	215.6
65°	180.5	176.1	174.8	174.5	180.5
67.5°	151.4	148.5	146.9	148.2	152.0
70°	126.7	125.4	123.2	125.4	127.3
72.5°	106.4	106.1	104.2	106.1	105.4
75°	87.4	87.4	88.7	88.0	87.4
77.5°	71.2	71.9	74.1	72.2	70.3
80°	55.1	56.7	59.8	57.0	55.4
82.5°	39.3	42.7	46.2	42.7	40.5
85°	24.1	27.5	29.4	27.9	24.7
87.5°	10.4	12.3	13.0	12.0	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)