

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: P738271

Luminaire Tested: **22PT-60-PB1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738271  
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-60-PB1-L830  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

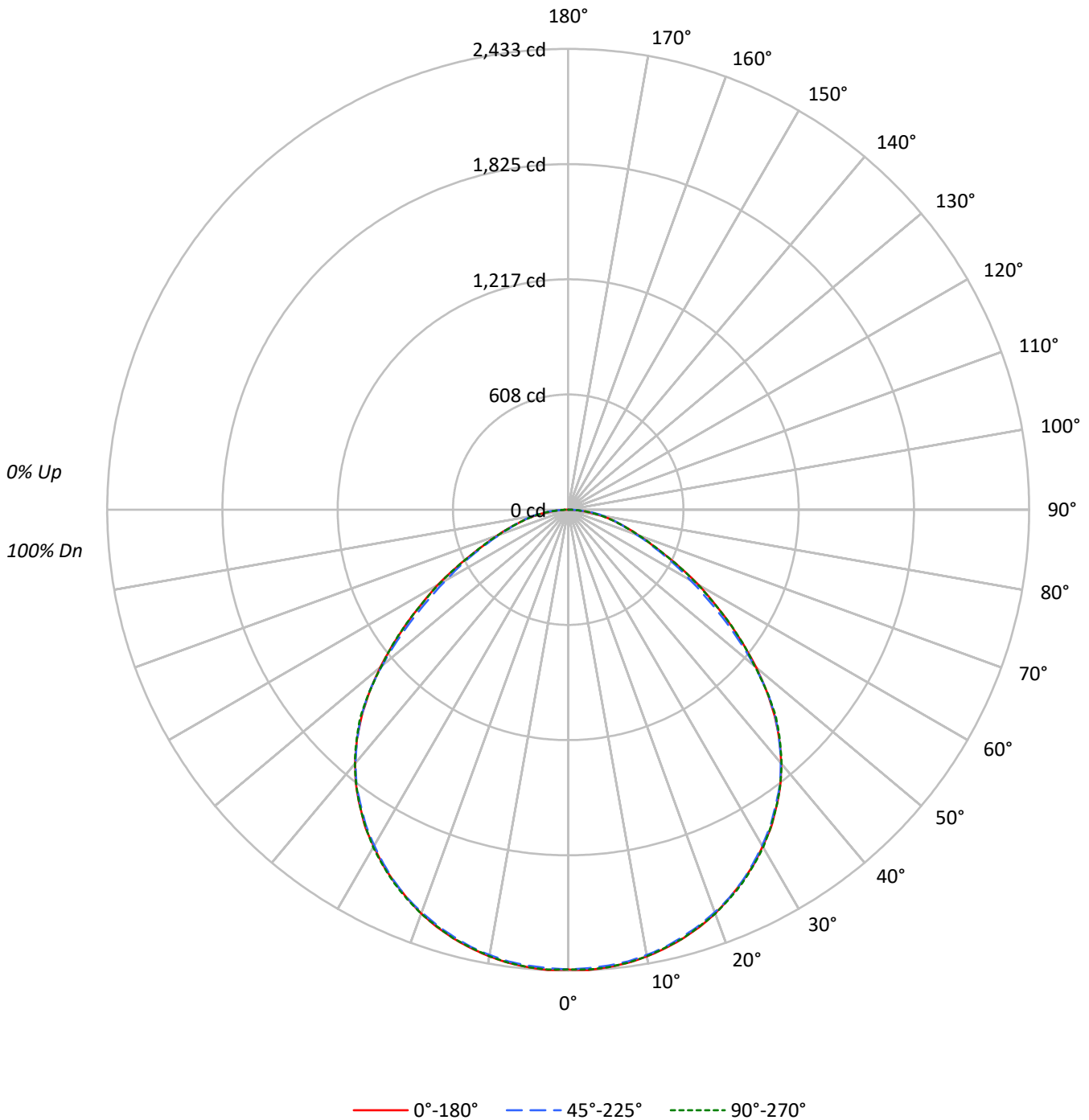
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6120.0 lumens  
Efficiency: N/A  
Efficacy: 118.1 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): 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

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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	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°	7112	7112	7112
5°	7131	7108	7131
10°	7125	7102	7122
15°	7109	7082	7106
20°	7073	7052	7077
25°	7015	7008	7031
30°	6944	6927	6964
35°	6851	6826	6851
40°	6692	6676	6699
45°	6390	6403	6427
50°	5901	5852	5861
55°	5272	5096	5293
60°	4655	4372	4626
65°	3899	3776	3899
70°	3381	3288	3399
75°	3083	3128	3083
80°	2897	3147	2914
85°	2521	3086	2589



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.2	3.8
10°-20°	660.0	10.8
20°-30°	999.5	16.3
30°-40°	1195.4	19.5
40°-50°	1183.6	19.3
50°-60°	910.0	14.9
60°-70°	554.1	9.1
70°-80°	293.3	4.8
80°-90°	93.9	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°	1889.7	30.9
0°-40°	3085.1	50.4
0°-60°	5178.6	84.6
0°-90°	6120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6120.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2427	2427	2427	2427	2427	
5°	2424	2423	2416	2420	2424	231
15°	2344	2340	2335	2340	2342	661
25°	2170	2168	2168	2171	2175	1000
35°	1915	1913	1908	1914	1915	1197
45°	1542	1543	1545	1546	1551	1183
55°	1032	1018	998	1015	1036	926
65°	562	549	545	544	562	569
75°	272	272	276	274	272	292
85°	75	86	92	87	77	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2427.3	2427.3	2427.3	2427.3	2427.3
2.5°	2433.2	2429.3	2422.4	2427.3	2430.3
5°	2424.4	2423.4	2416.5	2420.4	2424.4
7.5°	2413.5	2410.6	2405.6	2409.6	2412.5
10°	2394.8	2392.8	2386.9	2391.8	2393.8
12.5°	2371.1	2369.1	2365.2	2369.1	2368.1
15°	2343.5	2339.5	2334.6	2339.5	2342.5
17.5°	2308.9	2305.0	2301.0	2304.0	2306.0
20°	2268.5	2262.5	2261.6	2265.5	2269.5
22.5°	2220.1	2220.1	2219.1	2222.1	2224.1
25°	2169.8	2167.8	2167.8	2170.8	2174.7
27.5°	2115.5	2111.6	2109.6	2114.5	2117.5
30°	2052.4	2051.4	2047.4	2055.3	2058.3
32.5°	1991.2	1981.3	1983.3	1987.3	1988.2
35°	1915.2	1913.2	1908.3	1914.2	1915.2
37.5°	1838.3	1837.3	1834.3	1836.3	1837.3
40°	1749.5	1748.5	1745.5	1749.5	1751.4
42.5°	1650.8	1648.8	1648.8	1651.8	1654.7
45°	1542.2	1543.2	1545.2	1546.2	1551.1
47.5°	1420.9	1422.8	1424.8	1422.8	1423.8
50°	1294.6	1293.6	1283.7	1290.6	1285.7
52.5°	1161.4	1146.6	1138.7	1154.5	1165.3
55°	1032.1	1018.3	997.6	1015.3	1036.1
57.5°	907.8	884.1	862.4	883.1	903.8
60°	794.3	757.8	746.0	758.8	789.4
62.5°	672.9	647.3	643.3	645.3	672.0
65°	562.4	548.6	544.7	543.7	562.4
67.5°	471.7	462.8	457.8	461.8	473.6
70°	394.7	390.7	383.8	390.7	396.7
72.5°	331.5	330.6	324.6	330.6	328.6
75°	272.3	272.3	276.3	274.3	272.3
77.5°	222.0	224.0	230.9	225.0	219.1
80°	171.7	176.6	186.5	177.6	172.7
82.5°	122.4	133.2	144.1	133.2	126.3
85°	75.0	85.8	91.8	86.8	77.0
87.5°	32.6	38.5	40.5	37.5	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)