

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: P738439

Luminaire Tested: **24PT-30-PL1-L830**

Issue Date: 2/8/2024



**Test Information**

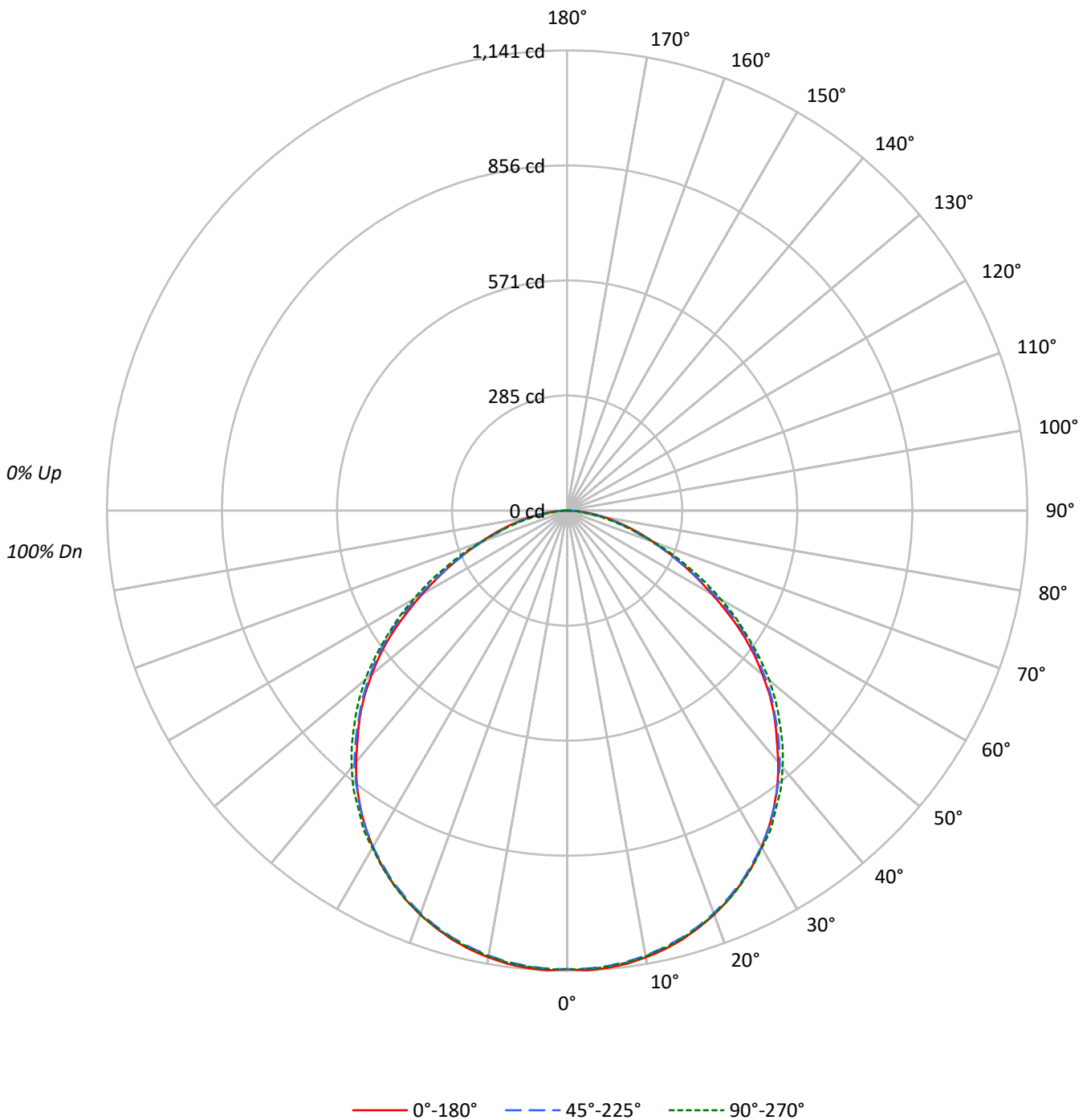
Test Method: LM-79-08  
Report Number: P738439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PL1-L830  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3010.0 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.8  
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

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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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
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	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	1631	1631	1631
5°	1639	1632	1634
10°	1638	1631	1634
15°	1635	1628	1631
20°	1626	1621	1626
25°	1615	1611	1616
30°	1595	1593	1599
35°	1567	1567	1579
40°	1523	1535	1556
45°	1476	1483	1512
50°	1410	1426	1460
55°	1324	1348	1369
60°	1189	1218	1263
65°	1064	1066	1123
70°	948	922	955
75°	856	806	791
80°	761	710	626
85°	624	592	489



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.9	3.6
10°-20°	309.7	10.3
20°-30°	469.2	15.6
30°-40°	560.8	18.6
40°-50°	565.7	18.8
50°-60°	479.9	15.9
60°-70°	317.5	10.5
70°-80°	157.6	5.2
80°-90°	41.7	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°	886.8	29.5
0°-40°	1447.6	48.1
0°-60°	2493.2	82.8
0°-90°	3010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3010.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1137	1137	1137	1137	1137	
5°	1138	1135	1134	1133	1135	108
15°	1101	1098	1097	1097	1099	311
25°	1020	1018	1018	1018	1022	470
35°	895	894	895	900	902	559
45°	728	727	731	741	746	560
55°	530	531	539	544	548	471
65°	314	313	314	324	331	313
75°	155	150	146	141	143	165
85°	38	38	36	33	30	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1137.2	1137.2	1137.2	1137.2	1137.2
2.5°	1141.1	1137.5	1136.5	1135.9	1138.5
5°	1138.5	1134.6	1133.6	1132.9	1135.2
7.5°	1133.2	1129.0	1128.3	1127.7	1130.6
10°	1124.7	1120.8	1120.2	1119.5	1122.1
12.5°	1114.6	1110.7	1109.4	1109.7	1111.3
15°	1101.2	1097.6	1096.6	1096.6	1098.9
17.5°	1084.5	1081.3	1080.6	1080.3	1083.2
20°	1065.9	1062.6	1062.6	1063.6	1065.3
22.5°	1044.7	1042.4	1041.1	1041.7	1045.0
25°	1020.5	1018.2	1018.2	1017.9	1021.5
27.5°	993.7	990.7	990.7	993.3	994.7
30°	963.6	961.0	962.3	964.3	965.6
32.5°	931.2	929.6	930.6	933.5	938.8
35°	895.0	893.7	895.3	900.2	902.1
37.5°	857.0	856.1	858.3	864.9	870.4
40°	813.9	813.9	820.1	826.0	831.2
42.5°	769.1	772.1	776.6	785.8	790.4
45°	727.9	726.9	731.2	741.0	745.6
47.5°	682.2	681.2	687.4	694.3	701.8
50°	632.2	631.8	639.3	645.2	654.7
52.5°	583.5	586.4	591.3	596.5	602.1
55°	529.5	530.8	539.3	544.2	547.5
57.5°	471.3	475.6	486.0	493.2	496.2
60°	414.5	417.1	424.6	437.3	440.3
62.5°	362.8	363.8	368.4	382.8	386.7
65°	313.5	312.8	314.1	323.9	331.1
67.5°	268.7	266.1	266.1	271.3	280.1
70°	226.2	222.3	220.0	221.6	227.8
72.5°	190.6	185.3	179.4	178.5	182.4
75°	154.6	150.4	145.5	140.9	142.8
77.5°	123.2	119.6	115.1	109.8	107.2
80°	92.2	90.9	86.0	81.1	75.8
82.5°	64.4	63.4	60.1	56.2	53.0
85°	37.9	37.9	36.0	33.0	29.7
87.5°	17.0	16.3	17.0	14.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)