

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: P738159

Luminaire Tested: **22PT-35-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738159  
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-35-PR1-L830  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -  
Ballast/Driver: -

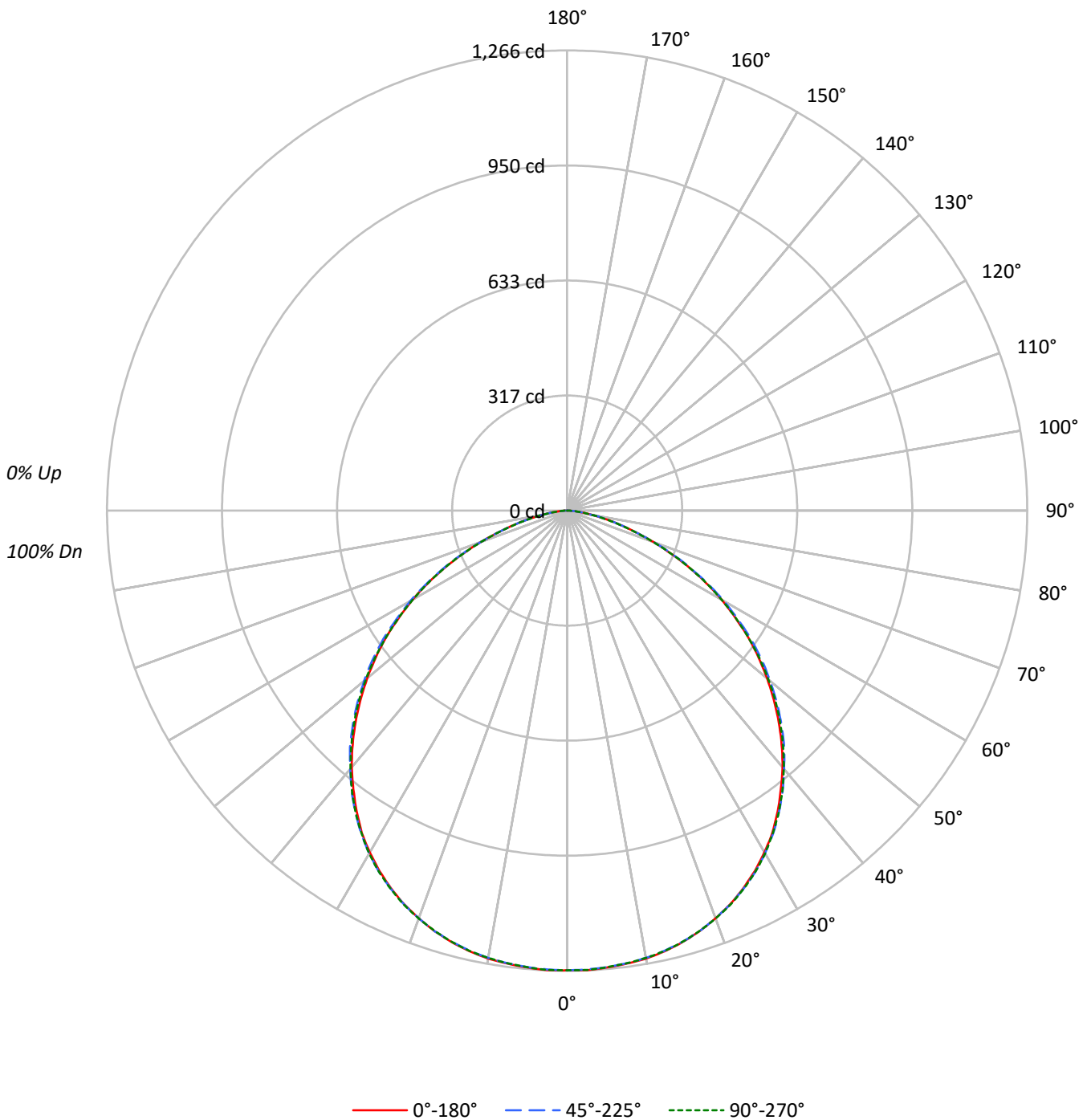
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3380.0 lumens  
Efficiency: N/A  
Efficacy: 128.5 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): 26.3  
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	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°	3706	3706	3706
5°	3712	3709	3709
10°	3724	3718	3718
15°	3728	3724	3725
20°	3723	3721	3724
25°	3707	3711	3714
30°	3673	3685	3686
35°	3611	3631	3630
40°	3527	3551	3547
45°	3412	3455	3438
50°	3273	3323	3296
55°	3107	3156	3111
60°	2880	2920	2870
65°	2569	2596	2567
70°	2161	2161	2148
75°	1694	1694	1675
80°	1240	1227	1220
85°	810	810	824



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.0	3.6
10°-20°	346.6	10.3
20°-30°	528.7	15.6
30°-40°	633.7	18.7
40°-50°	640.0	18.9
50°-60°	547.6	16.2
60°-70°	369.2	10.9
70°-80°	162.9	4.8
80°-90°	31.3	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°	995.4	29.4
0°-40°	1629.1	48.2
0°-60°	2816.6	83.3
0°-90°	3380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1265	1265	1265	1265	1265	
5°	1262	1260	1261	1260	1261	120
15°	1229	1229	1228	1227	1228	347
25°	1147	1148	1148	1148	1149	528
35°	1010	1016	1015	1014	1015	631
45°	823	830	834	833	830	634
55°	608	614	618	617	609	542
65°	371	374	374	374	370	366
75°	150	150	150	150	148	163
85°	24	24	24	24	24	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1265.7	1264.1	1263.6	1263.2	1264.9
5°	1261.9	1260.3	1261.1	1260.3	1261.1
7.5°	1257.3	1255.6	1256.1	1255.1	1256.1
10°	1251.5	1249.7	1249.7	1248.8	1249.7
12.5°	1242.0	1240.8	1240.4	1239.5	1240.8
15°	1228.9	1228.6	1227.7	1227.3	1228.1
17.5°	1213.0	1212.1	1213.0	1211.7	1212.5
20°	1193.9	1194.4	1193.5	1193.9	1194.4
22.5°	1172.3	1172.3	1172.8	1172.8	1173.7
25°	1146.6	1147.8	1147.8	1147.8	1148.8
27.5°	1117.9	1119.6	1120.8	1119.9	1120.8
30°	1085.7	1088.7	1089.1	1088.7	1089.5
32.5°	1051.1	1053.2	1054.4	1053.6	1052.7
35°	1009.6	1015.6	1015.2	1014.2	1014.7
37.5°	966.1	972.1	974.1	972.4	972.9
40°	922.1	927.3	928.5	928.9	927.3
42.5°	873.5	879.5	884.1	882.0	879.5
45°	823.3	829.6	833.9	832.6	829.6
47.5°	771.3	777.2	783.1	781.0	778.1
50°	718.1	723.9	729.0	728.2	723.1
52.5°	663.5	670.3	674.9	673.3	666.5
55°	608.2	613.7	617.9	617.0	609.0
57.5°	548.2	555.3	557.5	556.1	550.3
60°	491.5	496.2	498.2	496.6	489.8
62.5°	431.0	434.9	436.5	436.2	431.5
65°	370.6	373.6	374.5	373.6	370.2
67.5°	308.6	312.7	313.2	313.2	309.8
70°	252.3	253.5	252.3	255.7	250.7
72.5°	197.8	198.6	197.8	197.8	195.6
75°	149.6	150.0	149.6	150.0	148.0
77.5°	108.2	109.0	107.3	108.7	106.5
80°	73.5	73.5	72.7	73.2	72.3
82.5°	45.6	46.5	45.3	45.3	44.8
85°	24.1	24.1	24.1	24.5	24.5
87.5°	8.5	8.5	8.8	8.8	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)