

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: P738131

Luminaire Tested: **22PT-35-PB1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738131  
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-35-PB1-L930  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

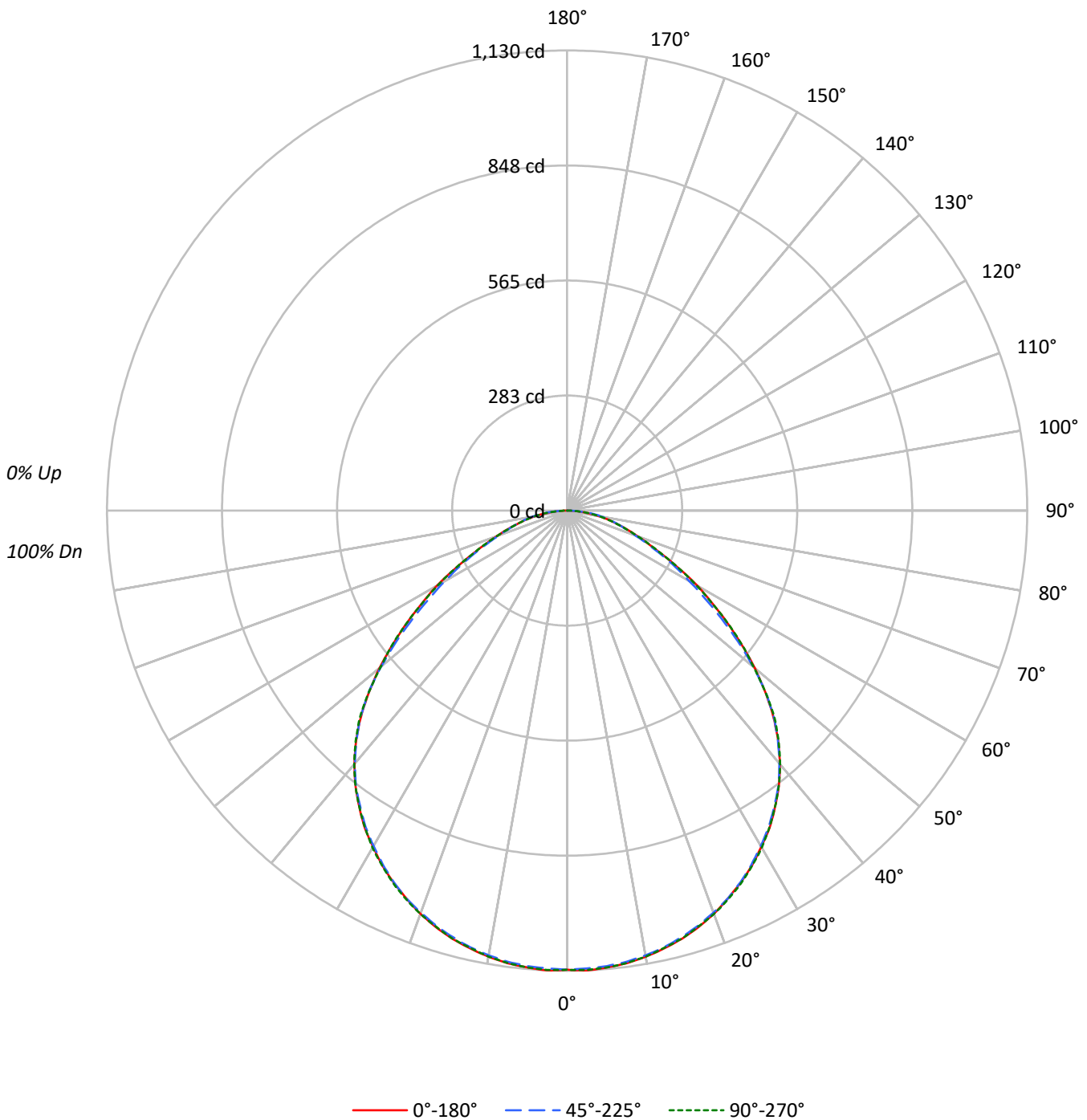
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2843.0 lumens  
Efficiency: N/A  
Efficacy: 108.1 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): 26.3  
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: P738131  
CATALOG NUMBER: 22PT-35-PB1-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P738131

CATALOG NUMBER: 22PT-35-PB1-L930

**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	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	3304	3304	3304
5°	3312	3302	3312
10°	3310	3299	3308
15°	3302	3290	3301
20°	3286	3276	3287
25°	3259	3256	3266
30°	3226	3218	3235
35°	3182	3171	3182
40°	3109	3102	3112
45°	2969	2974	2986
50°	2741	2718	2723
55°	2449	2367	2459
60°	2162	2031	2149
65°	1812	1754	1812
70°	1570	1527	1579
75°	1432	1452	1432
80°	1347	1461	1353
85°	1170	1432	1204



TEST NUMBER: P738131

CATALOG NUMBER: 22PT-35-PB1-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.9	3.8
10°-20°	306.6	10.8
20°-30°	464.3	16.3
30°-40°	555.3	19.5
40°-50°	549.8	19.3
50°-60°	422.7	14.9
60°-70°	257.4	9.1
70°-80°	136.3	4.8
80°-90°	43.6	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°	877.8	30.9
0°-40°	1433.1	50.4
0°-60°	2405.7	84.6
0°-90°	2843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2843.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1126	1126	1123	1124	1126	107
15°	1089	1087	1084	1087	1088	307
25°	1008	1007	1007	1008	1010	464
35°	890	889	886	889	890	556
45°	716	717	718	718	721	550
55°	480	473	463	472	481	430
65°	261	255	253	253	261	264
75°	126	126	128	127	126	136
85°	35	40	43	40	36	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1127.6	1127.6	1127.6	1127.6	1127.6
2.5°	1130.3	1128.5	1125.3	1127.6	1129.0
5°	1126.2	1125.8	1122.6	1124.4	1126.2
7.5°	1121.2	1119.8	1117.5	1119.3	1120.7
10°	1112.5	1111.6	1108.8	1111.1	1112.0
12.5°	1101.5	1100.6	1098.7	1100.6	1100.1
15°	1088.6	1086.8	1084.5	1086.8	1088.2
17.5°	1072.6	1070.8	1068.9	1070.3	1071.2
20°	1053.8	1051.0	1050.6	1052.4	1054.3
22.5°	1031.3	1031.3	1030.9	1032.3	1033.2
25°	1008.0	1007.0	1007.0	1008.4	1010.3
27.5°	982.8	980.9	980.0	982.3	983.7
30°	953.4	953.0	951.1	954.8	956.2
32.5°	925.0	920.4	921.3	923.2	923.6
35°	889.7	888.8	886.5	889.2	889.7
37.5°	853.9	853.5	852.1	853.0	853.5
40°	812.7	812.2	810.9	812.7	813.6
42.5°	766.9	765.9	765.9	767.3	768.7
45°	716.4	716.9	717.8	718.3	720.6
47.5°	660.1	661.0	661.9	661.0	661.4
50°	601.4	600.9	596.3	599.6	597.3
52.5°	539.5	532.6	529.0	536.3	541.3
55°	479.5	473.0	463.4	471.7	481.3
57.5°	421.7	410.7	400.6	410.2	419.9
60°	369.0	352.0	346.5	352.5	366.7
62.5°	312.6	300.7	298.9	299.8	312.2
65°	261.3	254.9	253.0	252.6	261.3
67.5°	219.1	215.0	212.7	214.5	220.0
70°	183.3	181.5	178.3	181.5	184.3
72.5°	154.0	153.6	150.8	153.6	152.6
75°	126.5	126.5	128.3	127.4	126.5
77.5°	103.1	104.1	107.3	104.5	101.8
80°	79.8	82.0	86.6	82.5	80.2
82.5°	56.8	61.9	66.9	61.9	58.7
85°	34.8	39.9	42.6	40.3	35.8
87.5°	15.1	17.9	18.8	17.4	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)