

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: P737751

Luminaire Tested: **14PT-30-PB1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PB1-L830  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

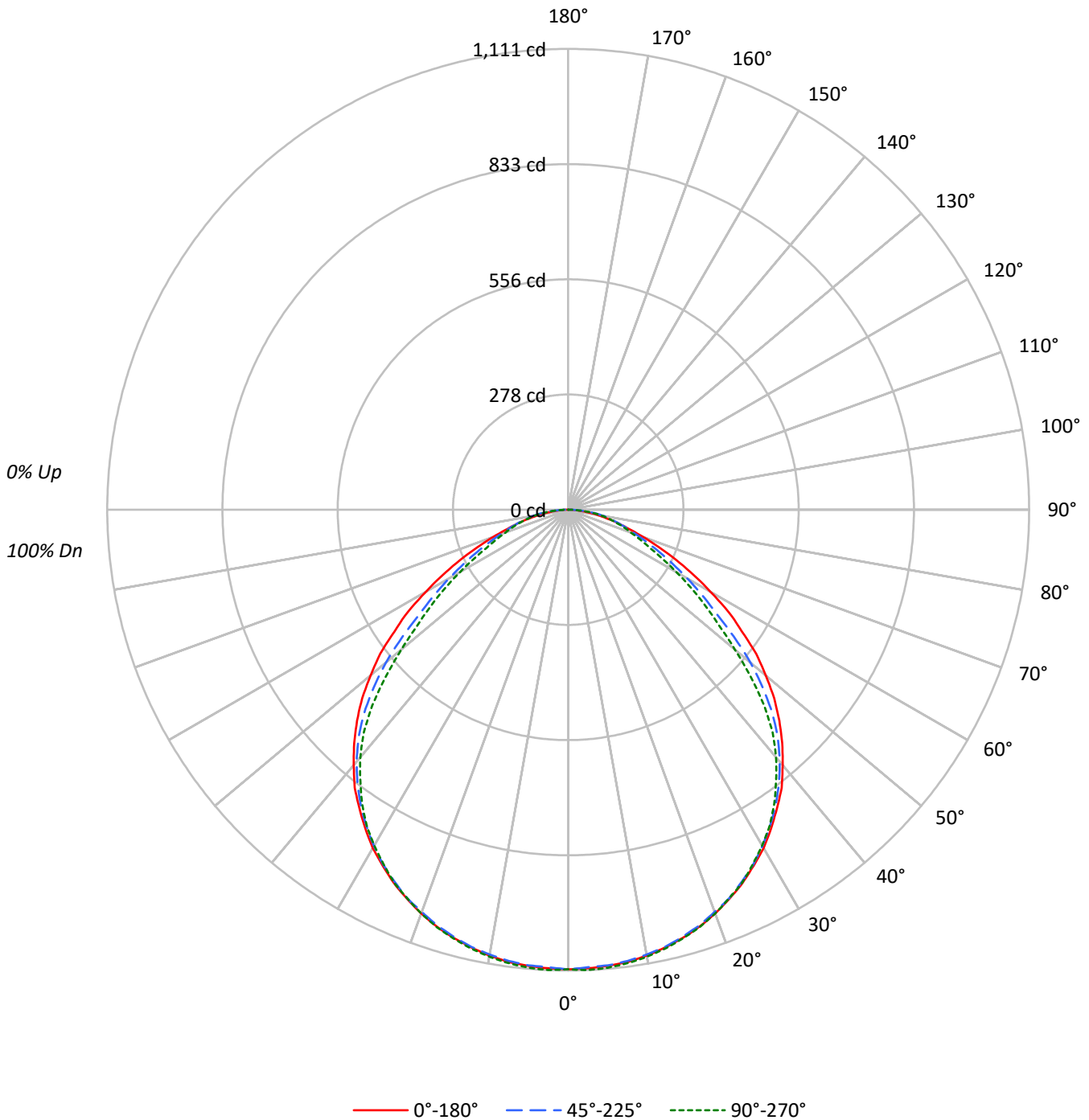
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2763.0 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.4  
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	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	93	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62					62			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	3322	3322	3322
5°	3323	3318	3335
10°	3323	3315	3332
15°	3316	3308	3321
20°	3305	3292	3305
25°	3287	3273	3282
30°	3260	3241	3237
35°	3212	3187	3168
40°	3147	3104	3051
45°	3051	2953	2831
50°	2899	2676	2447
55°	2672	2273	2109
60°	2378	1986	1806
65°	2040	1721	1537
70°	1685	1517	1410
75°	1421	1453	1374
80°	1200	1483	1412
85°	939	1500	1314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.1	3.8
10°-20°	301.5	10.9
20°-30°	456.7	16.5
30°-40°	544.1	19.7
40°-50°	532.1	19.3
50°-60°	402.5	14.6
60°-70°	247.3	8.9
70°-80°	131.7	4.8
80°-90°	42.0	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°	863.2	31.2
0°-40°	1407.4	50.9
0°-60°	2341.9	84.8
0°-90°	2763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2763.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1108	1108	1108	1108	1108	
5°	1104	1105	1103	1107	1108	105
15°	1068	1070	1066	1070	1070	302
25°	994	992	990	991	992	458
35°	878	876	871	867	866	549
45°	720	716	696	673	668	554
55°	511	485	435	410	403	458
65°	288	264	243	224	217	286
75°	123	124	125	121	119	131
85°	27	35	44	41	38	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1108.1	1108.1	1108.1	1108.1	1108.1
2.5°	1106.7	1108.1	1104.0	1109.4	1110.8
5°	1104.0	1105.3	1102.6	1106.7	1108.1
7.5°	1099.9	1099.9	1097.2	1101.3	1102.6
10°	1091.7	1091.7	1089.0	1093.1	1094.4
12.5°	1080.8	1080.8	1079.4	1082.2	1083.5
15°	1068.5	1069.9	1065.8	1069.9	1069.9
17.5°	1053.6	1052.2	1050.8	1053.6	1054.9
20°	1035.8	1035.8	1031.7	1034.5	1035.8
22.5°	1015.4	1015.4	1014.0	1015.4	1014.0
25°	993.6	992.2	989.5	990.9	992.2
27.5°	967.7	967.7	965.0	965.0	963.6
30°	941.8	940.4	936.3	933.6	935.0
32.5°	910.4	909.1	905.0	902.3	903.6
35°	877.7	876.4	870.9	866.8	865.5
37.5°	845.0	840.9	834.1	828.7	823.2
40°	804.1	800.0	793.2	781.0	779.6
42.5°	763.2	759.2	748.3	733.3	729.2
45°	719.6	715.5	696.5	673.3	667.8
47.5°	673.3	666.5	636.5	607.9	597.0
50°	621.5	609.2	573.8	537.0	524.7
52.5°	571.1	549.3	502.9	470.2	457.9
55°	511.1	485.2	434.8	410.2	403.4
57.5°	457.9	422.5	381.6	357.1	351.6
60°	396.6	363.9	331.2	309.4	301.2
62.5°	340.7	312.1	284.9	265.8	256.2
65°	287.6	264.4	242.6	223.5	216.7
67.5°	235.8	223.5	205.8	190.8	186.7
70°	192.2	185.4	173.1	166.3	160.8
72.5°	152.6	155.4	147.2	144.5	140.4
75°	122.7	124.0	125.4	121.3	118.6
77.5°	92.7	99.5	104.9	102.2	99.5
80°	69.5	76.3	85.9	81.8	81.8
82.5°	47.7	55.9	64.1	61.3	60.0
85°	27.3	35.4	43.6	40.9	38.2
87.5°	10.9	17.7	19.1	19.1	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)