

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: P738411

Luminaire Tested: **24PT-20-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738411  
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-20-PL1-L930  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -  
Ballast/Driver: -

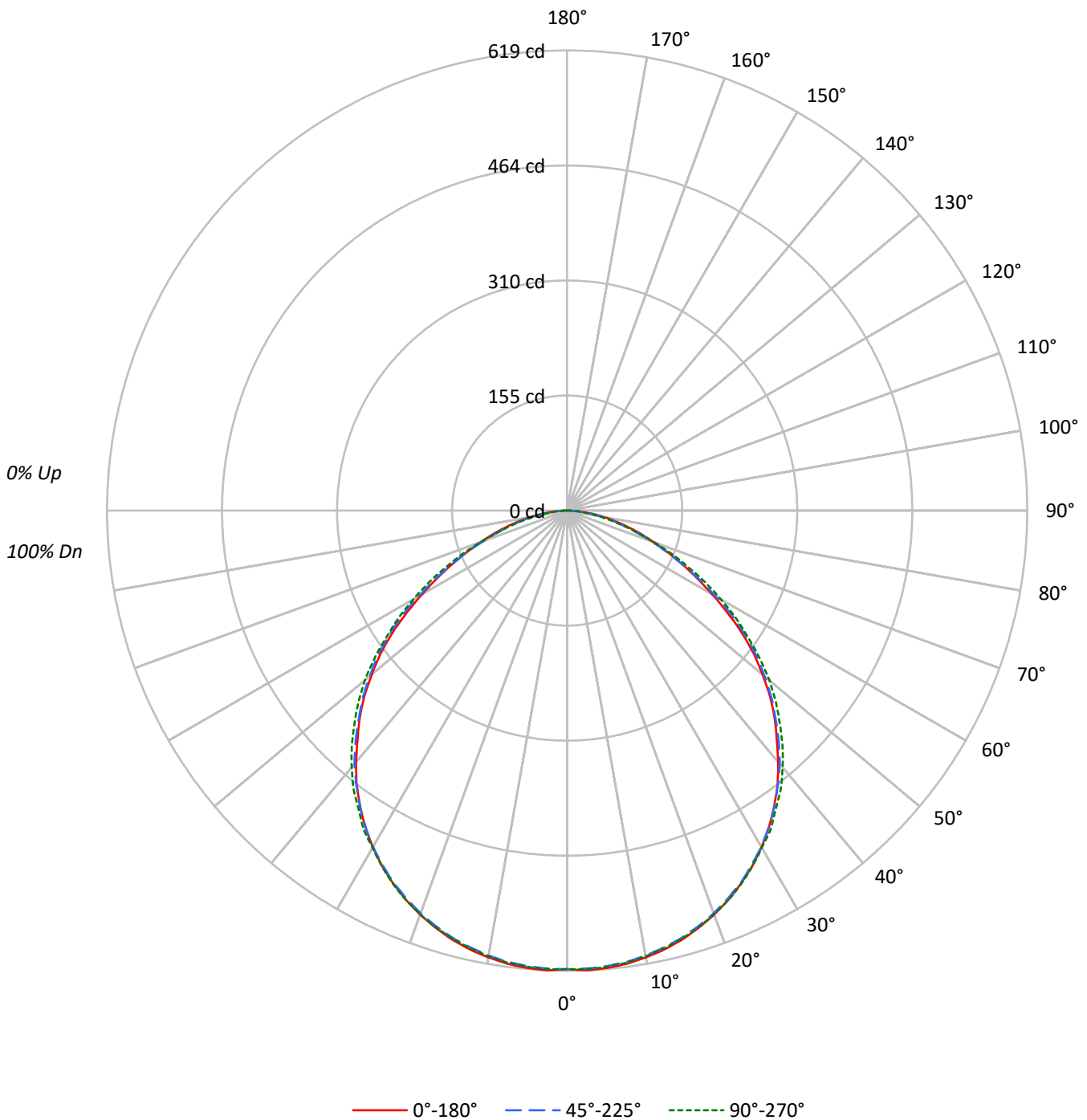
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1633.0 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: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.1  
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	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°	885	885	885
5°	889	885	886
10°	888	885	886
15°	887	883	885
20°	882	880	882
25°	876	874	877
30°	866	864	867
35°	850	850	857
40°	827	833	844
45°	801	804	820
50°	765	774	792
55°	718	731	742
60°	645	661	685
65°	577	578	609
70°	514	500	518
75°	465	437	429
80°	413	385	339
85°	339	321	265



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.5	3.6
10°-20°	168.0	10.3
20°-30°	254.6	15.6
30°-40°	304.2	18.6
40°-50°	306.9	18.8
50°-60°	260.4	15.9
60°-70°	172.3	10.5
70°-80°	85.5	5.2
80°-90°	22.6	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°	481.1	29.5
0°-40°	785.4	48.1
0°-60°	1352.6	82.8
0°-90°	1633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	618	616	615	615	616	59
15°	597	596	595	595	596	169
25°	554	552	552	552	554	255
35°	486	485	486	488	489	303
45°	395	394	397	402	404	304
55°	287	288	293	295	297	255
65°	170	170	170	176	180	170
75°	84	82	79	76	78	90
85°	21	21	20	18	16	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	616.9	616.9	616.9	616.9	616.9
2.5°	619.1	617.1	616.6	616.2	617.6
5°	617.6	615.5	615.0	614.6	615.9
7.5°	614.8	612.5	612.2	611.8	613.4
10°	610.2	608.1	607.7	607.4	608.8
12.5°	604.7	602.6	601.9	602.0	602.9
15°	597.4	595.5	595.0	595.0	596.2
17.5°	588.4	586.6	586.3	586.1	587.7
20°	578.3	576.5	576.5	577.0	577.9
22.5°	566.8	565.5	564.8	565.2	566.9
25°	553.6	552.4	552.4	552.2	554.2
27.5°	539.1	537.5	537.5	538.9	539.6
30°	522.8	521.4	522.1	523.1	523.8
32.5°	505.2	504.3	504.9	506.5	509.3
35°	485.5	484.8	485.7	488.4	489.4
37.5°	465.0	464.4	465.7	469.2	472.2
40°	441.6	441.6	444.9	448.1	451.0
42.5°	417.3	418.9	421.3	426.3	428.8
45°	394.9	394.4	396.7	402.0	404.5
47.5°	370.1	369.6	372.9	376.7	380.7
50°	343.0	342.8	346.9	350.1	355.2
52.5°	316.5	318.1	320.8	323.6	326.6
55°	287.3	288.0	292.6	295.3	297.0
57.5°	255.7	258.0	263.7	267.6	269.2
60°	224.9	226.3	230.4	237.3	238.9
62.5°	196.8	197.4	199.9	207.7	209.8
65°	170.1	169.7	170.4	175.7	179.6
67.5°	145.8	144.3	144.3	147.2	152.0
70°	122.7	120.6	119.3	120.2	123.6
72.5°	103.4	100.5	97.4	96.8	99.0
75°	83.9	81.6	78.9	76.4	77.5
77.5°	66.9	64.9	62.4	59.6	58.2
80°	50.0	49.3	46.6	44.0	41.1
82.5°	34.9	34.4	32.6	30.5	28.7
85°	20.6	20.6	19.5	17.9	16.1
87.5°	9.2	8.9	9.2	7.8	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)