

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: P738400

Luminaire Tested: **24PT-20-PC3-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-20-PC3-L835  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -  
Ballast/Driver: -

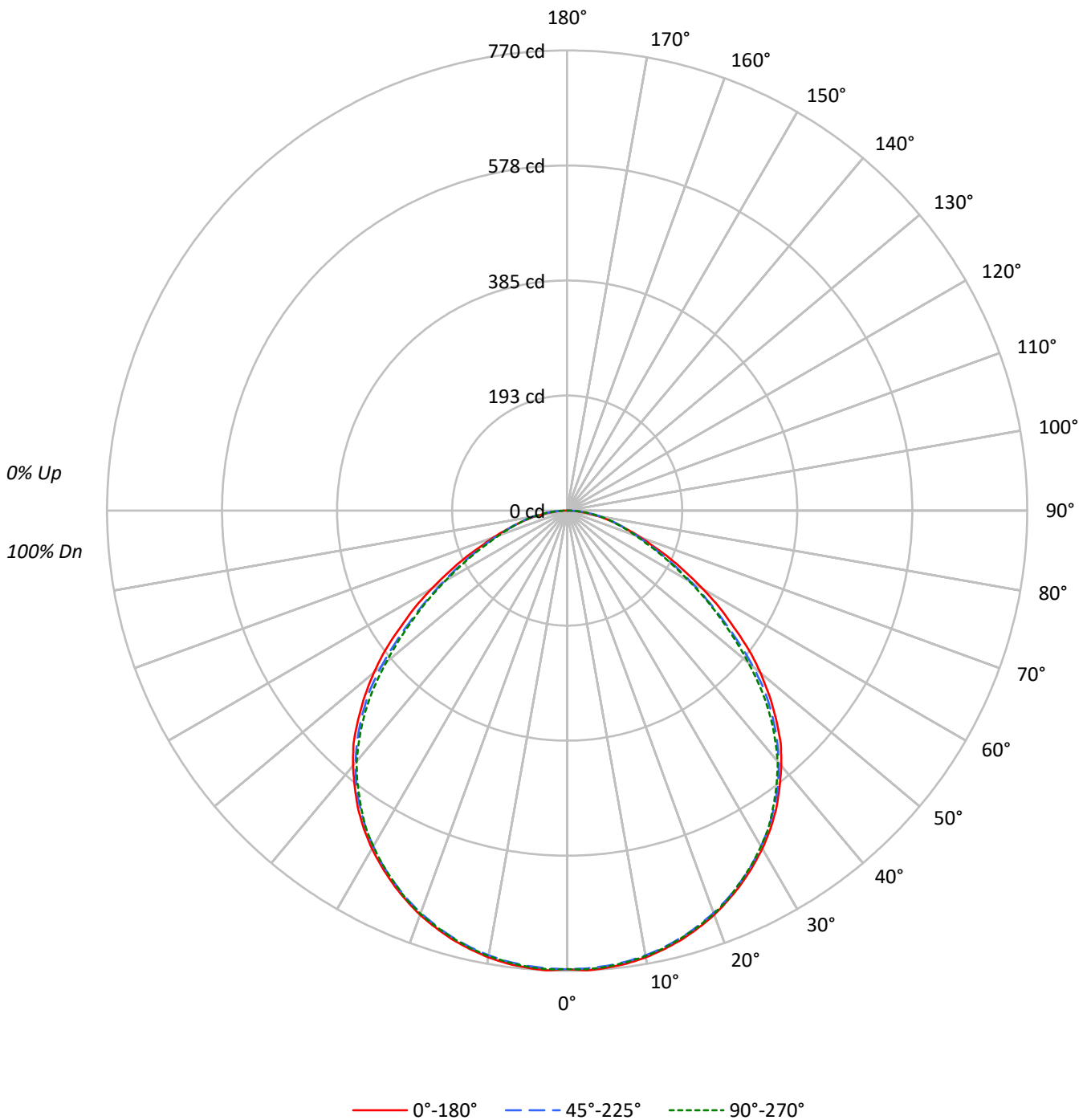
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1936.0 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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 (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	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	1100	1100	1100
5°	1105	1101	1103
10°	1105	1100	1102
15°	1103	1098	1099
20°	1098	1093	1096
25°	1091	1085	1085
30°	1081	1075	1074
35°	1067	1058	1054
40°	1043	1031	1026
45°	1003	984	970
50°	942	905	882
55°	851	793	778
60°	753	687	673
65°	644	595	580
70°	545	522	507
75°	478	486	470
80°	429	472	446
85°	362	433	411



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.8	3.8
10°-20°	208.9	10.8
20°-30°	316.4	16.3
30°-40°	377.9	19.5
40°-50°	372.8	19.3
50°-60°	288.6	14.9
60°-70°	177.4	9.2
70°-80°	93.0	4.8
80°-90°	28.2	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°	598.1	30.9
0°-40°	976.0	50.4
0°-60°	1637.5	84.6
0°-90°	1936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1936.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	768	766	765	764	766	73
15°	743	741	740	739	740	210
25°	690	687	686	686	686	318
35°	610	607	605	603	602	381
45°	494	491	485	480	478	380
55°	340	331	317	313	311	306
65°	190	181	175	170	171	189
75°	86	87	88	86	85	93
85°	22	25	26	26	25	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	767.5	767.5	767.5	767.5	767.5
2.5°	770.1	767.7	766.7	766.4	768.2
5°	767.9	765.6	764.7	764.3	766.2
7.5°	764.5	762.0	761.1	760.5	762.2
10°	759.2	756.6	755.8	755.3	756.8
12.5°	751.5	749.1	748.5	747.9	749.8
15°	742.9	740.6	739.5	738.9	740.4
17.5°	731.8	729.9	728.6	728.6	729.9
20°	719.9	717.5	716.5	715.8	718.0
22.5°	705.1	703.6	702.4	701.3	703.6
25°	689.5	687.4	686.1	685.7	685.9
27.5°	671.8	670.3	668.6	668.0	668.4
30°	653.2	651.3	649.0	647.7	648.7
32.5°	632.5	629.7	627.8	626.5	628.0
35°	609.7	606.9	604.7	602.8	602.0
37.5°	583.6	582.7	579.7	576.3	576.1
40°	557.3	555.0	550.7	549.2	548.1
42.5°	529.1	524.2	519.7	515.4	514.0
45°	494.5	490.9	485.3	480.2	478.5
47.5°	459.1	454.4	449.0	440.0	439.0
50°	422.1	415.3	405.9	398.4	395.2
52.5°	383.6	374.5	361.4	355.0	353.3
55°	340.5	331.3	317.4	312.7	311.4
57.5°	302.0	288.6	277.3	271.9	273.6
60°	262.5	249.5	239.5	234.3	234.8
62.5°	223.9	213.6	206.1	201.2	201.9
65°	189.7	180.9	175.4	170.2	170.9
67.5°	156.2	152.1	148.0	145.0	143.3
70°	130.1	128.4	124.5	121.8	120.9
72.5°	106.4	107.4	104.2	103.4	103.2
75°	86.3	87.2	87.8	86.1	84.8
77.5°	69.0	70.3	72.8	70.5	70.1
80°	51.9	54.5	57.2	55.8	54.0
82.5°	36.3	39.5	42.1	40.2	39.3
85°	22.0	24.6	26.3	25.6	25.0
87.5°	9.8	10.7	11.5	11.7	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)