

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: P738373

Luminaire Tested: **24PT-100-PC3-L940**

Issue Date: 2/8/2024



**Test Information**

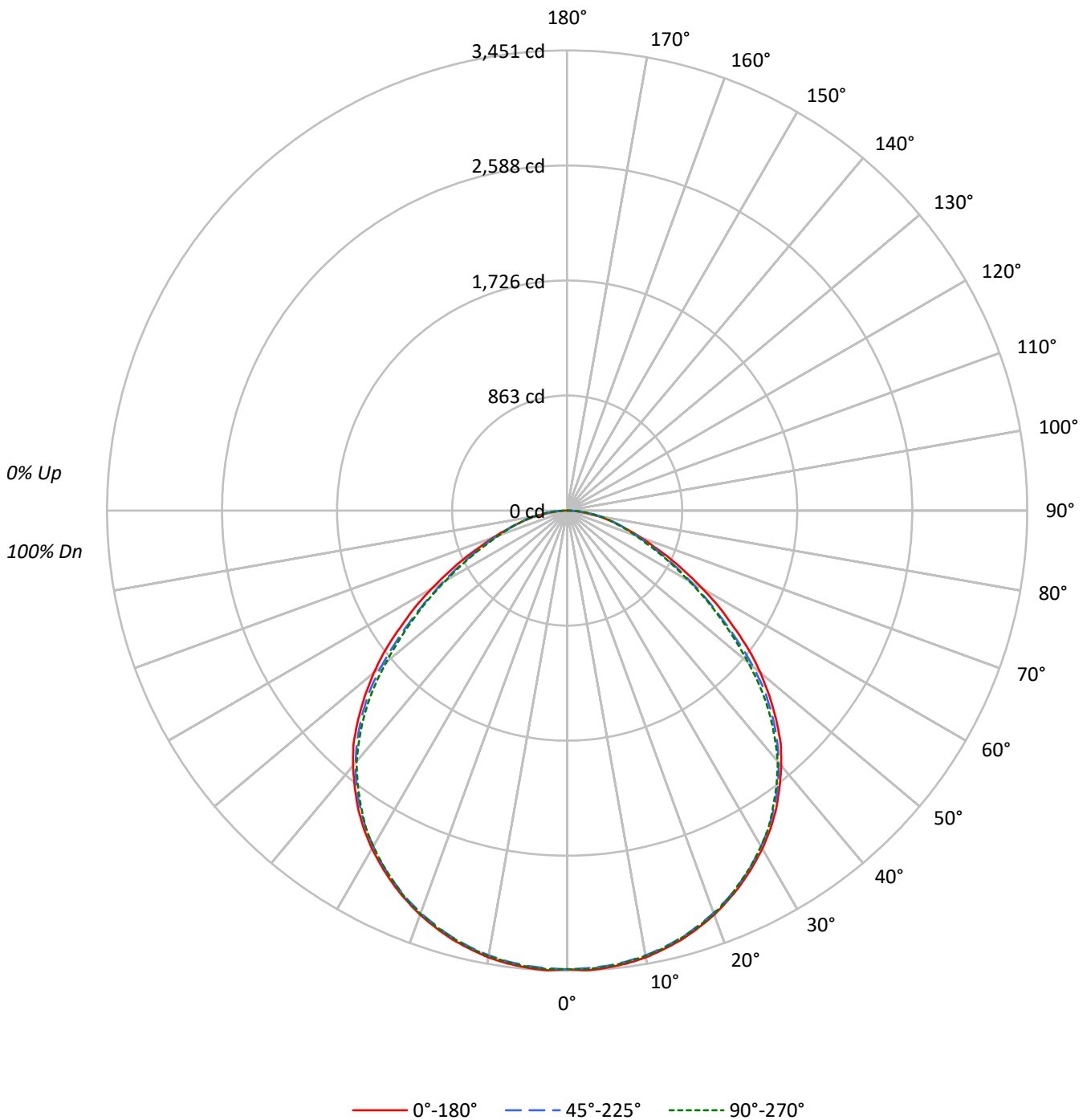
Test Method: LM-79-08  
Report Number: P738373  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-100-PC3-L940  
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8676.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 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): 85.4  
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°	4932	4932	4932
5°	4953	4933	4942
10°	4954	4931	4938
15°	4942	4920	4925
20°	4922	4899	4909
25°	4889	4865	4863
30°	4847	4815	4814
35°	4782	4744	4722
40°	4675	4619	4598
45°	4494	4410	4348
50°	4220	4057	3951
55°	3815	3556	3489
60°	3374	3077	3017
65°	2884	2666	2598
70°	2444	2340	2271
75°	2142	2179	2105
80°	1921	2119	2000
85°	1622	1936	1843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.1	3.8
10°-20°	936.1	10.8
20°-30°	1418.0	16.3
30°-40°	1693.7	19.5
40°-50°	1670.8	19.3
50°-60°	1293.4	14.9
60°-70°	795.0	9.2
70°-80°	416.6	4.8
80°-90°	126.3	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°	2680.2	30.9
0°-40°	4373.9	50.4
0°-60°	7338.1	84.6
0°-90°	8676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3440	3440	3440	3440	3440	
5°	3441	3431	3427	3425	3434	327
15°	3329	3319	3314	3311	3318	939
25°	3090	3080	3075	3073	3074	1424
35°	2732	2720	2710	2702	2698	1706
45°	2216	2200	2175	2152	2144	1705
55°	1526	1485	1422	1402	1396	1369
65°	850	811	786	763	766	848
75°	387	391	393	386	380	417
85°	99	110	118	115	112	115
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3439.5	3439.5	3439.5	3439.5	3439.5
2.5°	3451.0	3440.5	3435.7	3434.7	3442.4
5°	3441.4	3430.9	3427.1	3425.2	3433.8
7.5°	3426.1	3414.6	3410.8	3407.9	3415.6
10°	3402.2	3390.7	3386.9	3385.0	3391.7
12.5°	3367.7	3357.2	3354.3	3351.5	3360.1
15°	3329.4	3318.9	3314.1	3311.2	3317.9
17.5°	3279.7	3271.0	3265.3	3265.3	3271.0
20°	3226.0	3215.5	3210.7	3207.9	3217.4
22.5°	3160.0	3153.3	3147.6	3142.8	3153.3
25°	3090.1	3080.5	3074.8	3072.9	3073.8
27.5°	3010.7	3004.0	2996.3	2993.4	2995.3
30°	2927.4	2918.8	2908.2	2902.5	2907.3
32.5°	2834.5	2822.1	2813.5	2807.7	2814.4
35°	2732.1	2719.6	2710.1	2701.5	2697.6
37.5°	2615.3	2611.5	2598.1	2582.8	2581.8
40°	2497.6	2487.0	2467.9	2461.2	2456.4
42.5°	2371.2	2349.2	2329.1	2309.9	2303.2
45°	2216.1	2199.8	2175.0	2152.0	2144.3
47.5°	2057.2	2036.1	2012.2	1972.0	1967.2
50°	1891.6	1861.0	1818.8	1785.3	1771.0
52.5°	1719.3	1678.1	1619.7	1591.0	1583.3
55°	1525.9	1484.7	1422.5	1401.5	1395.7
57.5°	1353.6	1293.3	1242.6	1218.6	1226.3
60°	1176.5	1118.1	1073.1	1050.1	1052.1
62.5°	1003.2	957.3	923.8	901.8	904.6
65°	850.1	810.8	785.9	763.0	765.8
67.5°	699.8	681.6	663.4	650.0	642.3
70°	583.0	575.3	558.1	545.7	541.8
72.5°	476.7	481.5	467.2	463.3	462.4
75°	386.7	390.6	393.4	385.8	380.0
77.5°	309.2	314.9	326.4	315.9	314.0
80°	232.6	244.1	256.6	249.9	242.2
82.5°	162.7	177.1	188.6	180.0	176.1
85°	98.6	110.1	117.7	114.9	112.0
87.5°	44.0	47.9	51.7	52.7	50.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)