

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: P738625

Luminaire Tested: **24PT-72-PC3-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738625  
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-72-PC3-L840  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -  
Ballast/Driver: -

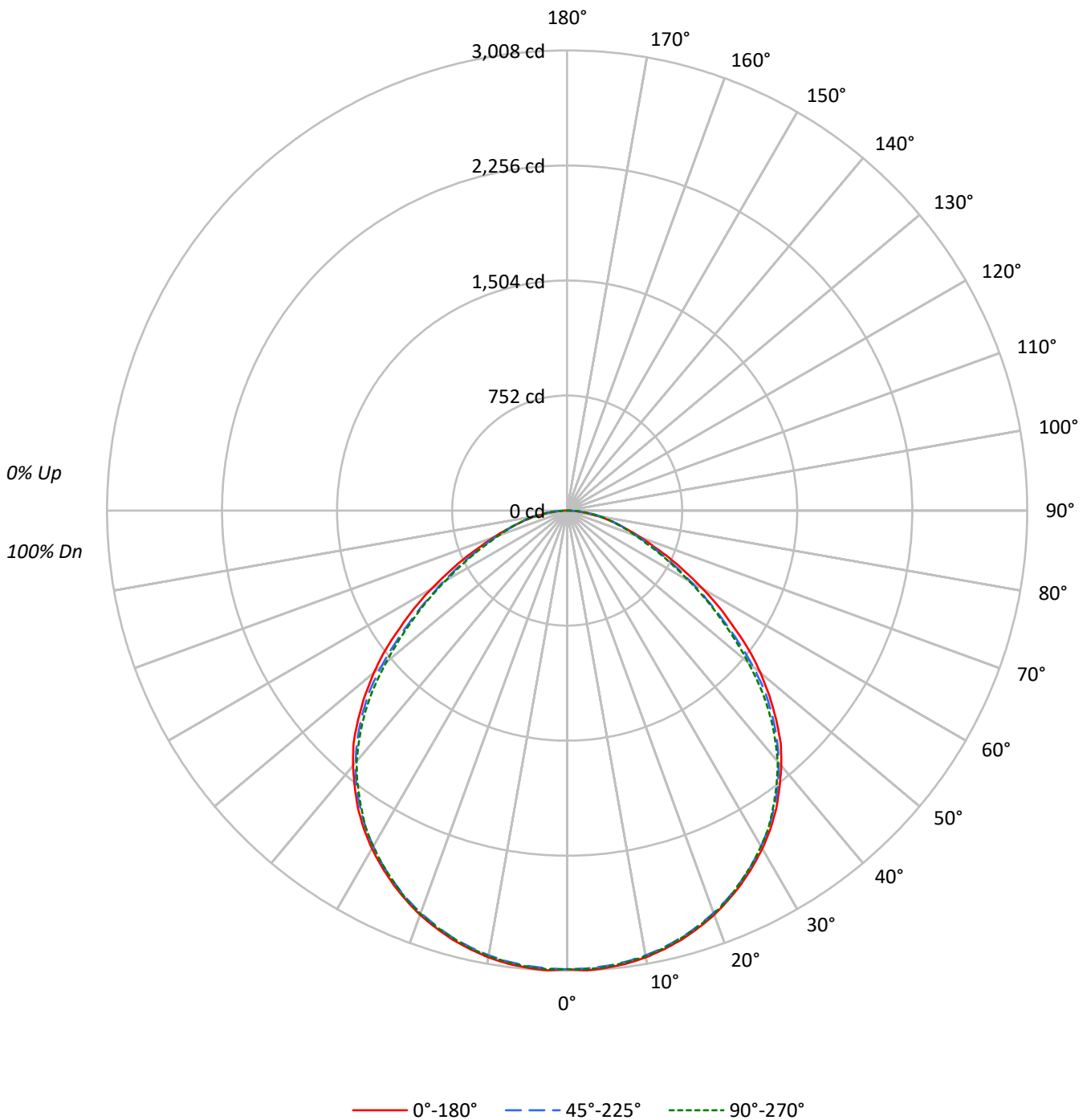
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7563.0 lumens  
Efficiency: N/A  
Efficacy: 125.8 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): 60.1  
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

TEST NUMBER: P738625  
CATALOG NUMBER: 24PT-72-PC3-L840

### Luminous Intensity Polar Plot





TEST NUMBER: P738625

CATALOG NUMBER: 24PT-72-PC3-L840

**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°	4299	4299	4299
5°	4318	4300	4308
10°	4318	4299	4305
15°	4308	4289	4293
20°	4291	4271	4280
25°	4262	4240	4239
30°	4225	4197	4196
35°	4169	4135	4116
40°	4075	4027	4008
45°	3917	3844	3790
50°	3678	3537	3444
55°	3325	3100	3042
60°	2941	2683	2630
65°	2514	2324	2265
70°	2131	2040	1980
75°	1868	1900	1835
80°	1675	1846	1743
85°	1415	1688	1606



TEST NUMBER: P738625

CATALOG NUMBER: 24PT-72-PC3-L840

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.3	3.8
10°-20°	816.0	10.8
20°-30°	1236.1	16.3
30°-40°	1476.4	19.5
40°-50°	1456.4	19.3
50°-60°	1127.5	14.9
60°-70°	693.0	9.2
70°-80°	363.1	4.8
80°-90°	110.1	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°	2336.4	30.9
0°-40°	3812.8	50.4
0°-60°	6396.8	84.6
0°-90°	7563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7563.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2998	2998	2998	2998	2998	
5°	3000	2991	2987	2986	2993	285
15°	2902	2893	2889	2886	2892	819
25°	2694	2685	2680	2679	2680	1241
35°	2382	2371	2362	2355	2352	1487
45°	1932	1918	1896	1876	1869	1486
55°	1330	1294	1240	1222	1217	1194
65°	741	707	685	665	668	739
75°	337	340	343	336	331	363
85°	86	96	103	100	98	100
90°	0	0	0	0	0	



TEST NUMBER: P738625

CATALOG NUMBER: 24PT-72-PC3-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2998.3	2998.3	2998.3	2998.3	2998.3
2.5°	3008.3	2999.1	2994.9	2994.1	3000.8
5°	3000.0	2990.8	2987.4	2985.8	2993.3
7.5°	2986.6	2976.6	2973.3	2970.7	2977.4
10°	2965.7	2955.7	2952.4	2950.7	2956.6
12.5°	2935.7	2926.5	2924.0	2921.5	2929.0
15°	2902.3	2893.1	2889.0	2886.5	2892.3
17.5°	2858.9	2851.4	2846.4	2846.4	2851.4
20°	2812.2	2803.0	2798.8	2796.3	2804.7
22.5°	2754.6	2748.8	2743.8	2739.6	2748.8
25°	2693.7	2685.4	2680.3	2678.7	2679.5
27.5°	2624.4	2618.6	2611.9	2609.4	2611.1
30°	2551.8	2544.3	2535.1	2530.1	2534.3
32.5°	2470.9	2460.0	2452.5	2447.5	2453.4
35°	2381.6	2370.8	2362.4	2354.9	2351.6
37.5°	2279.8	2276.5	2264.8	2251.4	2250.6
40°	2177.2	2168.0	2151.3	2145.4	2141.3
42.5°	2067.0	2047.8	2030.3	2013.6	2007.8
45°	1931.8	1917.6	1895.9	1875.9	1869.2
47.5°	1793.3	1774.9	1754.1	1719.0	1714.9
50°	1648.9	1622.2	1585.5	1556.3	1543.8
52.5°	1498.7	1462.8	1411.9	1386.9	1380.2
55°	1330.2	1294.3	1240.0	1221.7	1216.7
57.5°	1180.0	1127.4	1083.2	1062.3	1069.0
60°	1025.6	974.7	935.5	915.4	917.1
62.5°	874.5	834.5	805.3	786.1	788.6
65°	741.0	706.8	685.1	665.1	667.6
67.5°	610.0	594.1	578.3	566.6	559.9
70°	508.2	501.5	486.5	475.7	472.3
72.5°	415.6	419.7	407.2	403.9	403.1
75°	337.1	340.5	343.0	336.3	331.3
77.5°	269.5	274.5	284.6	275.4	273.7
80°	202.8	212.8	223.6	217.8	211.1
82.5°	141.9	154.4	164.4	156.9	153.5
85°	86.0	96.0	102.6	100.1	97.6
87.5°	38.4	41.7	45.1	45.9	44.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)