

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: P738626

Luminaire Tested: **24PT-72-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738626
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-L850
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

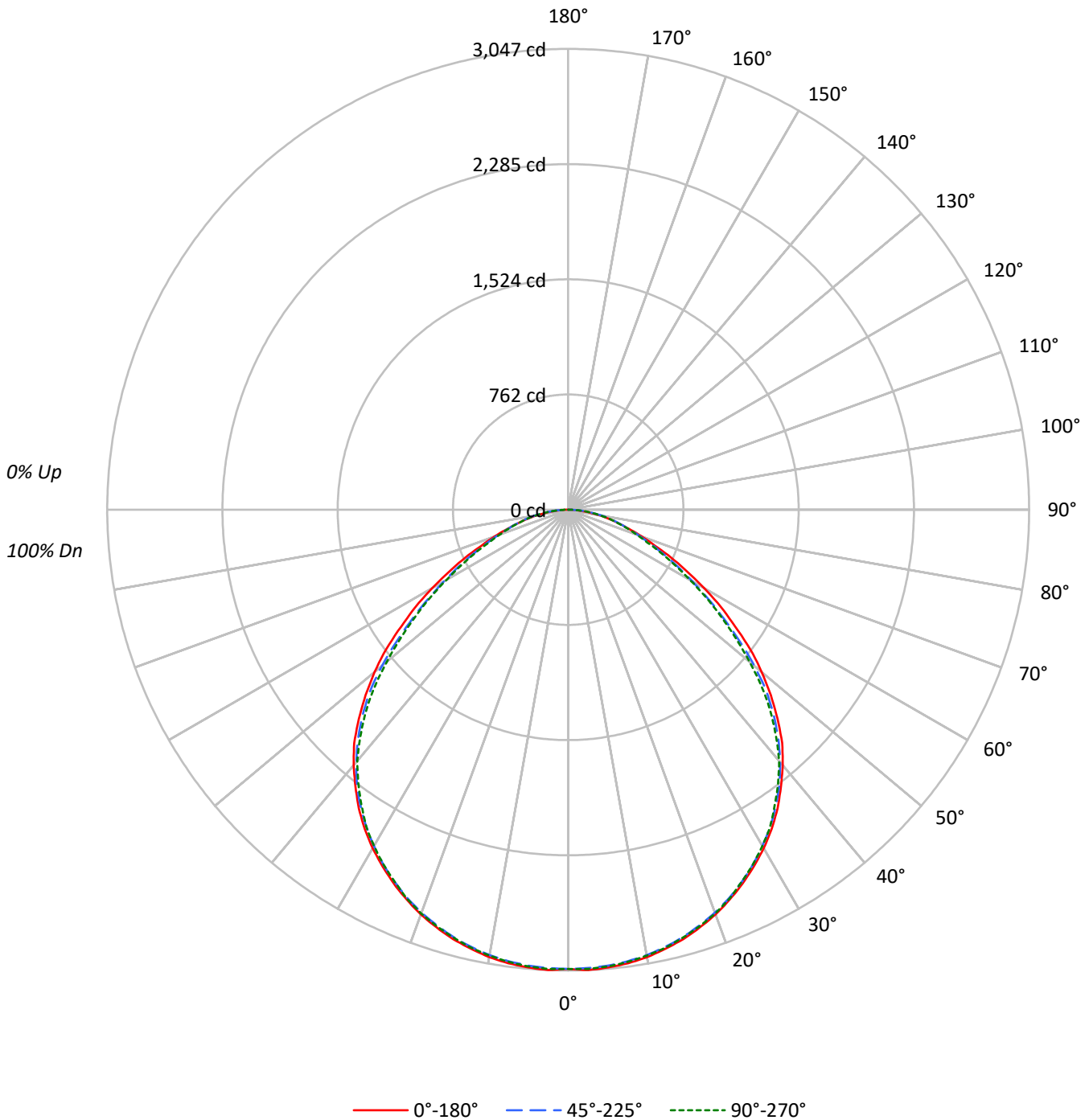
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7660.0 lumens
Efficiency: N/A
Efficacy: 127.5 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_{in}): 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°	4354	4354	4354
5°	4373	4355	4364
10°	4373	4354	4360
15°	4364	4343	4349
20°	4346	4325	4335
25°	4316	4295	4294
30°	4279	4251	4250
35°	4222	4188	4169
40°	4127	4078	4059
45°	3968	3894	3839
50°	3725	3582	3488
55°	3368	3140	3081
60°	2979	2717	2664
65°	2546	2354	2294
70°	2158	2066	2006
75°	1892	1925	1859
80°	1696	1870	1765
85°	1433	1711	1627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	3.8
10°-20°	826.5	10.8
20°-30°	1252.0	16.3
30°-40°	1495.4	19.5
40°-50°	1475.1	19.3
50°-60°	1141.9	14.9
60°-70°	701.9	9.2
70°-80°	367.8	4.8
80°-90°	111.5	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°	2366.4	30.9
0°-40°	3861.7	50.4
0°-60°	6478.8	84.6
0°-90°	7660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3037	3037	3037	3037	3037	
5°	3038	3029	3026	3024	3032	289
15°	2940	2930	2926	2924	2929	829
25°	2728	2720	2715	2713	2714	1257
35°	2412	2401	2393	2385	2382	1506
45°	1957	1942	1920	1900	1893	1505
55°	1347	1311	1256	1237	1232	1209
65°	750	716	694	674	676	749
75°	342	345	347	341	336	368
85°	87	97	104	101	99	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3036.7	3036.7	3036.7	3036.7	3036.7
2.5°	3046.9	3037.6	3033.4	3032.5	3039.3
5°	3038.4	3029.1	3025.8	3024.1	3031.7
7.5°	3024.9	3014.8	3011.4	3008.8	3015.6
10°	3003.8	2993.6	2990.3	2988.6	2994.5
12.5°	2973.4	2964.1	2961.5	2959.0	2966.6
15°	2939.5	2930.2	2926.0	2923.5	2929.4
17.5°	2895.6	2888.0	2882.9	2882.9	2888.0
20°	2848.3	2839.0	2834.7	2832.2	2840.7
22.5°	2789.9	2784.0	2779.0	2774.7	2784.0
25°	2728.2	2719.8	2714.7	2713.0	2713.9
27.5°	2658.1	2652.2	2645.4	2642.9	2644.6
30°	2584.6	2577.0	2567.7	2562.6	2566.8
32.5°	2502.6	2491.6	2484.0	2478.9	2484.8
35°	2412.2	2401.2	2392.7	2385.1	2381.7
37.5°	2309.0	2305.7	2293.8	2280.3	2279.5
40°	2205.1	2195.8	2178.9	2173.0	2168.7
42.5°	2093.5	2074.1	2056.3	2039.4	2033.5
45°	1956.6	1942.2	1920.3	1900.0	1893.2
47.5°	1816.3	1797.7	1776.6	1741.1	1736.8
50°	1670.1	1643.0	1605.8	1576.3	1563.6
52.5°	1517.9	1481.6	1430.0	1404.7	1397.9
55°	1347.2	1310.9	1255.9	1237.3	1232.3
57.5°	1195.1	1141.8	1097.0	1075.9	1082.7
60°	1038.7	987.2	947.4	927.2	928.9
62.5°	885.8	845.2	815.6	796.2	798.7
65°	750.5	715.9	693.9	673.6	676.1
67.5°	617.8	601.8	585.7	573.9	567.1
70°	514.7	508.0	492.7	481.8	478.4
72.5°	420.9	425.1	412.4	409.1	408.2
75°	341.5	344.8	347.4	340.6	335.5
77.5°	273.0	278.1	288.2	278.9	277.2
80°	205.4	215.5	226.5	220.6	213.8
82.5°	143.7	156.4	166.5	158.9	155.5
85°	87.1	97.2	104.0	101.4	98.9
87.5°	38.9	42.3	45.6	46.5	44.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)