

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: P738709

Luminaire Tested: **24PT-90-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PR1-L940
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

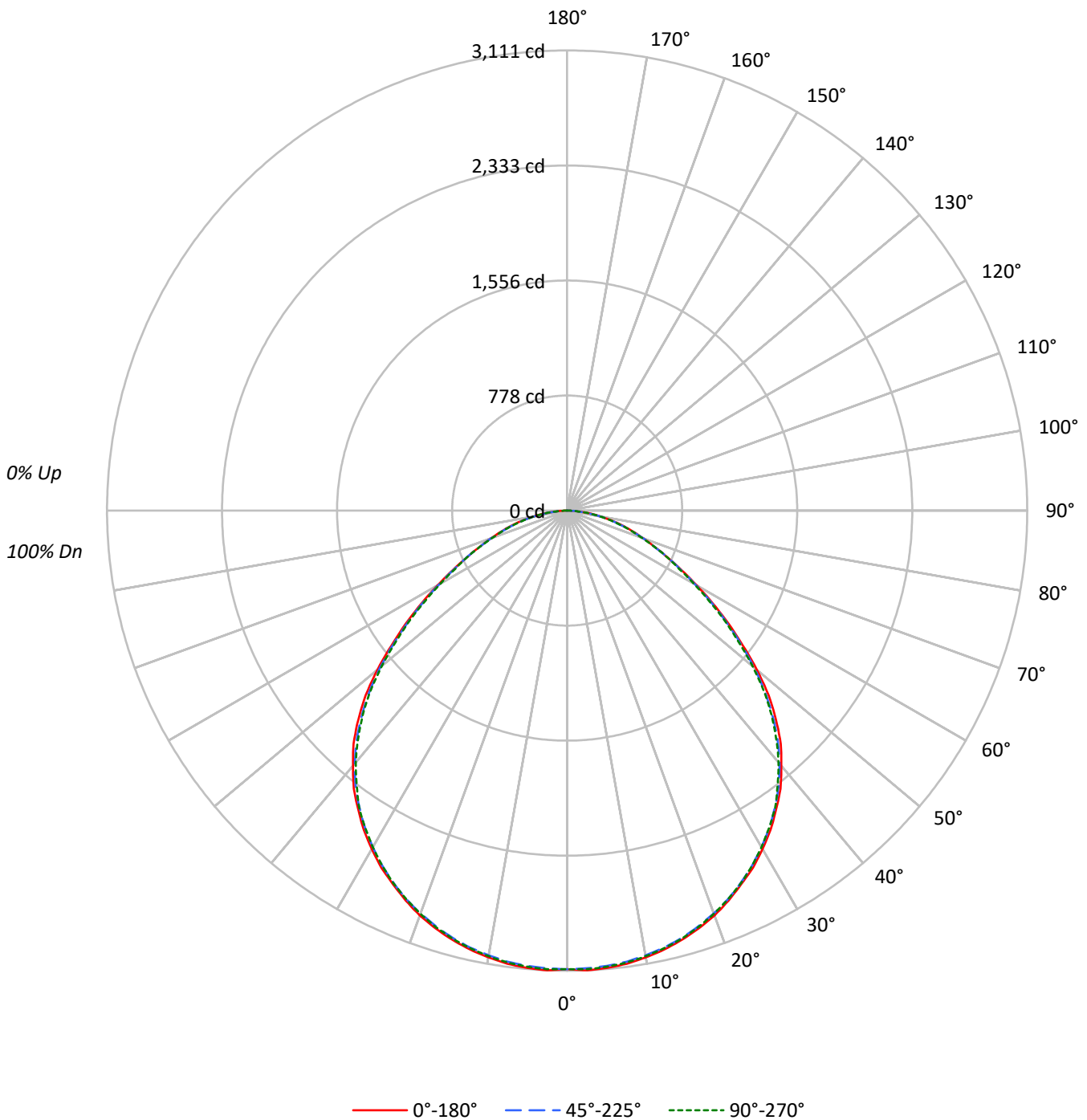
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7897.0 lumens
Efficiency: N/A
Efficacy: 104.3 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): 75.7
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	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	87					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					72				
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64					62				
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56					53				
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49					47				
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43					41				
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38					36				
8	62	49	41	35	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	42	36	31	41	36	31					29				
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4446	4446	4446
5°	4467	4448	4456
10°	4466	4444	4454
15°	4459	4440	4448
20°	4445	4422	4426
25°	4409	4395	4398
30°	4374	4350	4350
35°	4314	4288	4293
40°	4216	4180	4163
45°	4048	3983	3962
50°	3737	3682	3648
55°	3326	3279	3257
60°	2900	2867	2838
65°	2541	2544	2529
70°	2286	2279	2246
75°	2130	2067	2072
80°	1902	1865	1865
85°	1467	1510	1453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.1	3.7
10°-20°	844.6	10.7
20°-30°	1280.6	16.2
30°-40°	1531.6	19.4
40°-50°	1512.2	19.1
50°-60°	1177.0	14.9
60°-70°	747.2	9.5
70°-80°	401.0	5.1
80°-90°	108.7	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°	2419.3	30.6
0°-40°	3950.8	50.0
0°-60°	6640.1	84.1
0°-90°	7897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3101	3101	3101	3101	3101	
5°	3103	3094	3090	3089	3096	295
15°	3004	2994	2991	2987	2996	848
25°	2787	2781	2778	2773	2780	1285
35°	2465	2459	2450	2442	2452	1541
45°	1996	1982	1964	1955	1954	1532
55°	1330	1324	1312	1303	1303	1191
65°	749	751	750	740	745	751
75°	384	378	373	372	374	406
85°	89	91	92	92	88	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3100.8	3100.8	3100.8	3100.8	3100.8
2.5°	3111.2	3100.8	3097.4	3095.6	3103.4
5°	3103.4	3093.9	3090.4	3088.7	3095.6
7.5°	3090.4	3079.2	3075.7	3074.0	3081.8
10°	3067.1	3056.7	3052.3	3052.3	3059.3
12.5°	3039.4	3030.7	3026.4	3022.9	3030.7
15°	3003.9	2993.5	2990.9	2987.4	2996.1
17.5°	2961.5	2951.1	2947.6	2945.9	2951.9
20°	2913.0	2900.0	2898.3	2897.4	2900.9
22.5°	2853.2	2846.3	2842.9	2841.1	2843.7
25°	2786.6	2781.4	2777.9	2772.7	2779.7
27.5°	2721.7	2714.7	2706.1	2701.7	2706.1
30°	2642.0	2633.4	2627.3	2625.6	2627.3
32.5°	2559.8	2551.1	2543.3	2542.5	2541.6
35°	2464.6	2459.4	2449.8	2442.0	2452.4
37.5°	2370.2	2358.1	2349.4	2339.9	2337.3
40°	2252.5	2248.1	2233.4	2224.8	2223.9
42.5°	2138.2	2118.3	2107.9	2101.8	2092.3
45°	1996.2	1982.4	1964.2	1954.7	1953.8
47.5°	1848.2	1830.9	1813.6	1800.6	1804.1
50°	1675.1	1667.3	1650.8	1639.6	1635.2
52.5°	1496.7	1495.0	1477.7	1470.8	1463.0
55°	1330.5	1323.6	1311.5	1302.8	1302.8
57.5°	1166.9	1160.9	1154.8	1138.4	1138.4
60°	1011.1	1010.2	999.8	990.3	989.5
62.5°	871.7	876.9	867.4	857.9	852.7
65°	748.8	751.4	749.7	740.1	745.3
67.5°	640.6	641.5	638.0	632.8	636.3
70°	545.4	549.7	543.6	540.2	535.8
72.5°	462.3	460.5	455.3	457.9	451.9
75°	384.4	378.3	373.1	372.2	374.0
77.5°	306.4	304.7	300.4	300.4	297.8
80°	230.3	228.5	225.9	226.8	225.9
82.5°	163.6	159.3	155.8	157.6	158.4
85°	89.2	90.9	91.8	91.8	88.3
87.5°	36.4	35.5	36.4	38.1	39.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)