

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: P738715

Luminaire Tested: **24PT-90-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PW1-L930
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

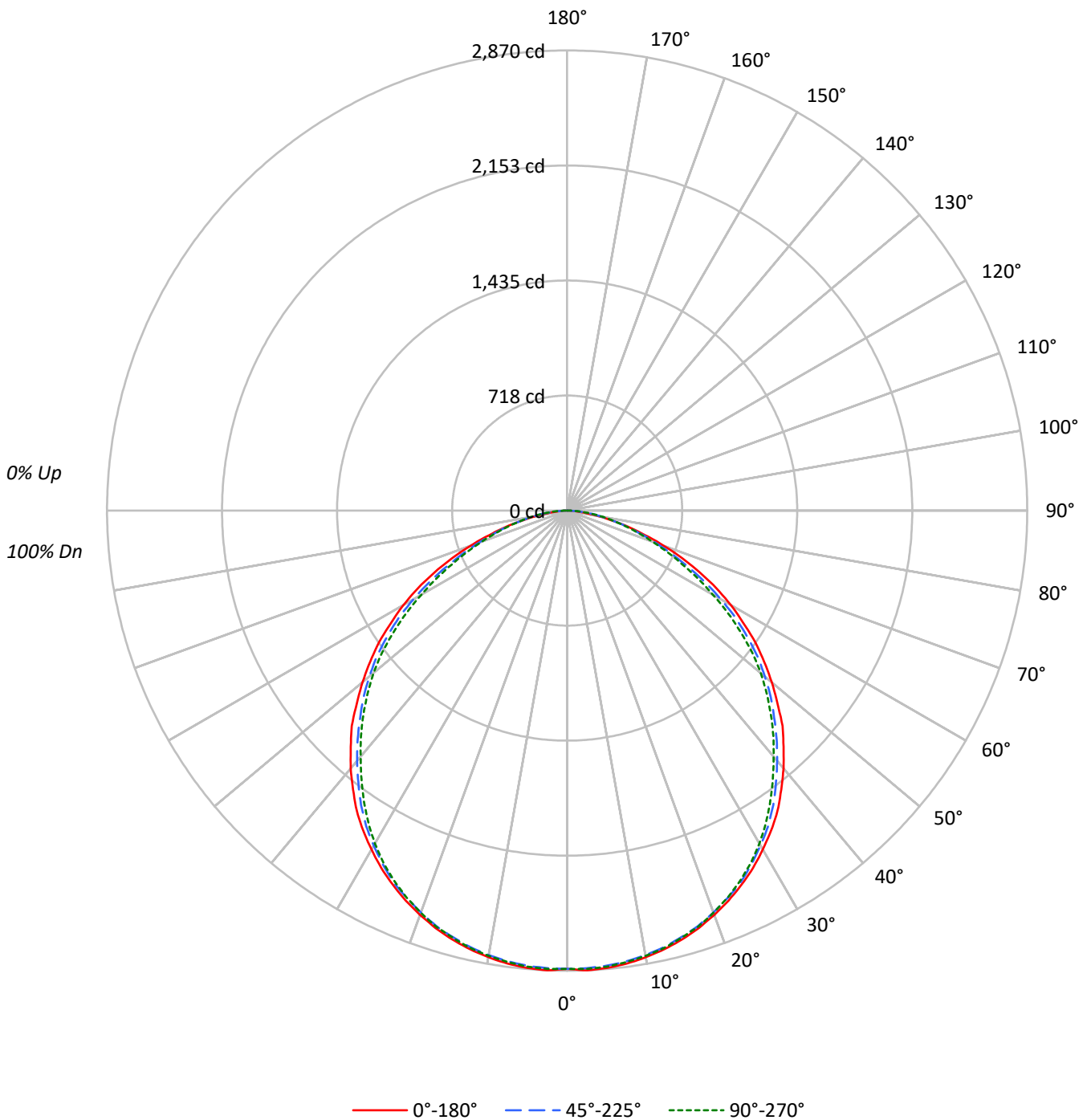
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7622.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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

TEST NUMBER: P738715
CATALOG NUMBER: 24PT-90-PW1-L930

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4099	4099	4099
5°	4122	4101	4110
10°	4119	4099	4107
15°	4111	4089	4094
20°	4094	4070	4073
25°	4073	4049	4034
30°	4041	3994	3969
35°	4004	3923	3868
40°	3931	3814	3751
45°	3853	3704	3643
50°	3716	3591	3516
55°	3580	3427	3303
60°	3384	3176	3012
65°	3098	2829	2683
70°	2685	2453	2363
75°	2198	2115	2087
80°	1604	1808	1863
85°	1074	1509	1604



TEST NUMBER: P738715

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.1	3.6
10°-20°	778.3	10.2
20°-30°	1177.9	15.5
30°-40°	1401.6	18.4
40°-50°	1415.7	18.6
50°-60°	1225.0	16.1
60°-70°	836.9	11.0
70°-80°	412.4	5.4
80°-90°	103.1	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°	2227.3	29.2
0°-40°	3628.9	47.6
0°-60°	6269.7	82.3
0°-90°	7622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2858	2858	2858	2858	2858	
5°	2864	2853	2850	2847	2855	272
15°	2769	2760	2754	2753	2758	781
25°	2574	2564	2559	2550	2550	1186
35°	2288	2268	2241	2216	2210	1428
45°	1900	1868	1826	1806	1797	1459
55°	1432	1412	1371	1342	1321	1275
65°	913	878	834	807	791	902
75°	397	385	382	379	377	424
85°	65	81	92	95	98	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2858.5	2858.5	2858.5	2858.5	2858.5
2.5°	2870.1	2859.4	2856.1	2853.6	2861.0
5°	2863.5	2852.8	2849.5	2847.0	2855.2
7.5°	2849.5	2838.7	2835.4	2832.9	2839.5
10°	2828.8	2818.9	2815.6	2813.1	2820.5
12.5°	2802.3	2793.3	2789.1	2785.8	2794.1
15°	2769.3	2760.2	2754.4	2752.8	2757.7
17.5°	2729.6	2720.5	2716.4	2713.9	2719.7
20°	2683.3	2673.4	2667.6	2664.3	2669.3
22.5°	2632.1	2622.2	2614.8	2611.4	2613.1
25°	2574.3	2564.3	2559.4	2549.5	2549.5
27.5°	2512.3	2500.7	2488.3	2477.6	2478.4
30°	2440.4	2427.2	2412.3	2398.2	2397.4
32.5°	2367.7	2351.1	2332.9	2313.9	2308.2
35°	2287.5	2268.5	2241.2	2216.4	2209.8
37.5°	2193.3	2175.9	2139.6	2118.9	2108.2
40°	2099.9	2075.1	2037.9	2014.0	2004.0
42.5°	1997.4	1973.5	1933.8	1911.5	1903.2
45°	1899.9	1867.7	1826.4	1805.7	1796.6
47.5°	1778.4	1752.0	1723.1	1699.1	1687.5
50°	1666.0	1644.6	1609.8	1583.4	1576.0
52.5°	1548.7	1530.5	1497.5	1462.7	1454.5
55°	1432.2	1412.3	1371.0	1342.1	1321.4
57.5°	1300.8	1283.4	1244.6	1207.4	1189.2
60°	1180.1	1150.4	1107.4	1066.9	1050.4
62.5°	1048.7	1019.8	970.2	928.9	919.8
65°	913.2	878.5	833.8	806.6	790.9
67.5°	776.0	742.1	704.9	687.6	677.7
70°	640.5	613.2	585.1	572.7	563.6
72.5°	509.9	494.2	478.5	473.5	465.3
75°	396.7	385.1	381.8	379.3	376.8
77.5°	285.9	291.7	295.0	298.3	295.0
80°	194.2	206.6	219.0	225.6	225.6
82.5°	119.8	141.3	152.1	158.7	157.8
85°	65.3	81.0	91.7	95.0	97.5
87.5°	26.4	33.1	37.2	40.5	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)