

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: P738684

Luminaire Tested: **24PT-80-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738684
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-80-PW1-L935
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

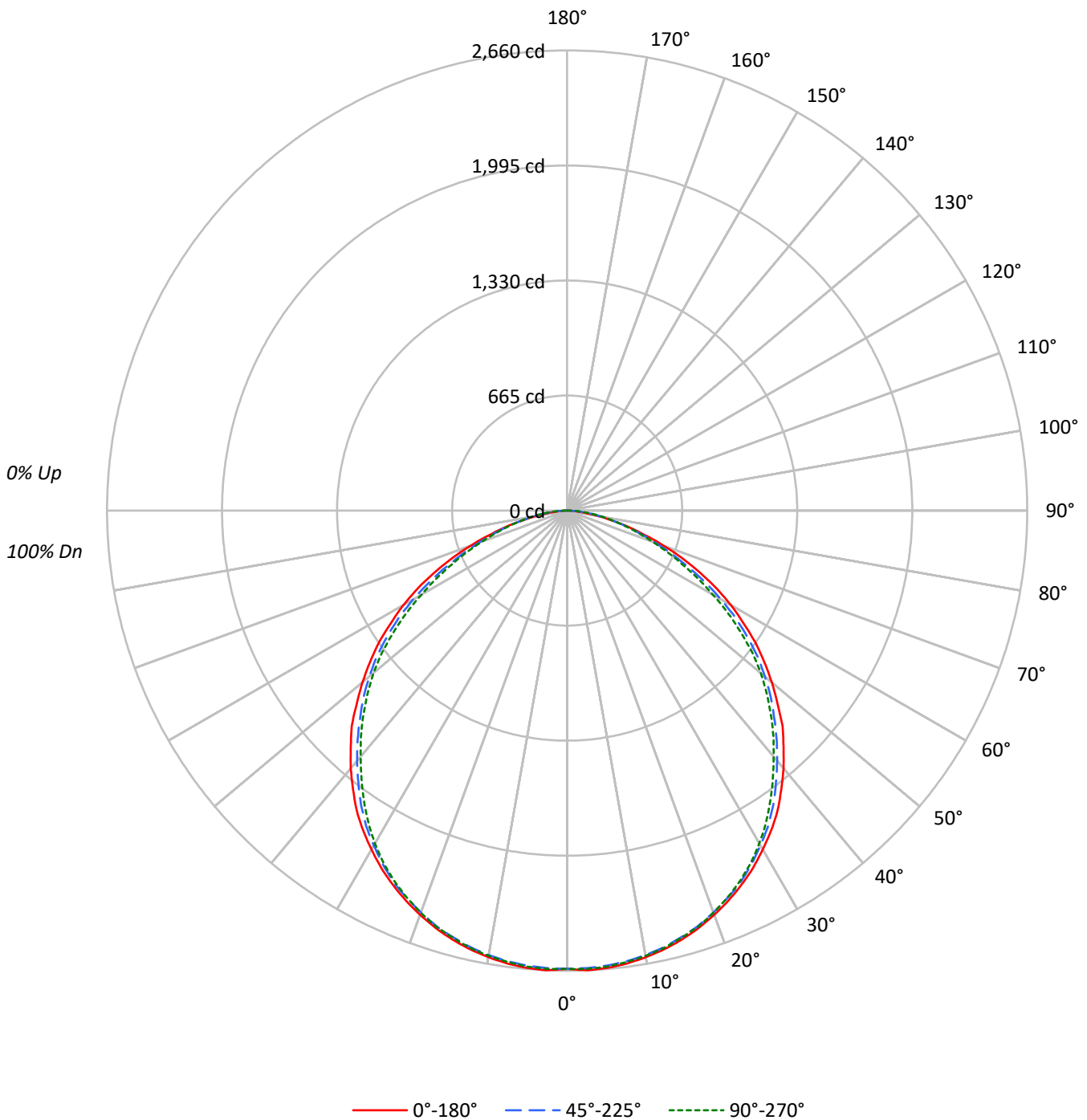
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7064.0 lumens
Efficiency: N/A
Efficacy: 103.4 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): 68.3
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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3799	3799	3799
5°	3820	3801	3809
10°	3817	3799	3806
15°	3810	3789	3794
20°	3795	3772	3775
25°	3775	3753	3738
30°	3745	3702	3679
35°	3711	3636	3585
40°	3643	3535	3476
45°	3571	3432	3376
50°	3444	3328	3258
55°	3318	3176	3062
60°	3136	2943	2792
65°	2871	2622	2487
70°	2489	2274	2190
75°	2037	1960	1935
80°	1486	1676	1727
85°	995	1398	1487



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.3	3.6
10°-20°	721.3	10.2
20°-30°	1091.7	15.5
30°-40°	1299.0	18.4
40°-50°	1312.1	18.6
50°-60°	1135.3	16.1
60°-70°	775.6	11.0
70°-80°	382.2	5.4
80°-90°	95.5	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°	2064.3	29.2
0°-40°	3363.2	47.6
0°-60°	5810.7	82.3
0°-90°	7064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2649	2649	2649	2649	2649	
5°	2654	2644	2641	2639	2646	252
15°	2567	2558	2553	2551	2556	724
25°	2386	2377	2372	2363	2363	1100
35°	2120	2102	2077	2054	2048	1323
45°	1761	1731	1693	1674	1665	1352
55°	1327	1309	1271	1244	1225	1182
65°	846	814	773	748	733	836
75°	368	357	354	352	349	393
85°	60	75	85	88	90	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2649.3	2649.3	2649.3	2649.3	2649.3
2.5°	2660.0	2650.0	2647.0	2644.7	2651.6
5°	2653.9	2643.9	2640.8	2638.6	2646.2
7.5°	2640.8	2630.9	2627.8	2625.5	2631.7
10°	2621.7	2612.5	2609.4	2607.1	2614.0
12.5°	2597.2	2588.8	2584.9	2581.9	2589.5
15°	2566.6	2558.1	2552.8	2551.2	2555.8
17.5°	2529.8	2521.4	2517.5	2515.2	2520.6
20°	2486.9	2477.7	2472.3	2469.3	2473.9
22.5°	2439.4	2430.2	2423.3	2420.3	2421.8
25°	2385.8	2376.6	2372.0	2362.8	2362.8
27.5°	2328.4	2317.6	2306.1	2296.2	2297.0
30°	2261.7	2249.5	2235.7	2222.7	2221.9
32.5°	2194.3	2179.0	2162.2	2144.5	2139.2
35°	2120.0	2102.4	2077.1	2054.2	2048.0
37.5°	2032.7	2016.6	1982.9	1963.8	1953.8
40°	1946.2	1923.2	1888.7	1866.5	1857.3
42.5°	1851.2	1829.0	1792.2	1771.5	1763.9
45°	1760.8	1731.0	1692.7	1673.5	1665.1
47.5°	1648.2	1623.7	1596.9	1574.7	1564.0
50°	1544.1	1524.2	1492.0	1467.5	1460.6
52.5°	1435.3	1418.5	1387.8	1355.7	1348.0
55°	1327.3	1308.9	1270.6	1243.8	1224.7
57.5°	1205.5	1189.5	1153.5	1119.0	1102.1
60°	1093.7	1066.1	1026.3	988.8	973.5
62.5°	971.9	945.1	899.2	860.9	852.5
65°	846.3	814.2	772.8	747.5	733.0
67.5°	719.2	687.8	653.3	637.2	628.0
70°	593.6	568.3	542.3	530.8	522.3
72.5°	472.6	458.0	443.5	438.9	431.2
75°	367.6	356.9	353.8	351.6	349.3
77.5°	265.0	270.4	273.4	276.5	273.4
80°	180.0	191.5	203.0	209.1	209.1
82.5°	111.1	131.0	140.9	147.1	146.3
85°	60.5	75.1	85.0	88.1	90.4
87.5°	24.5	30.6	34.5	37.5	39.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)