

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: P738397

Luminaire Tested: **24PT-100-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738397
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-100-PW1-L940
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

Summary

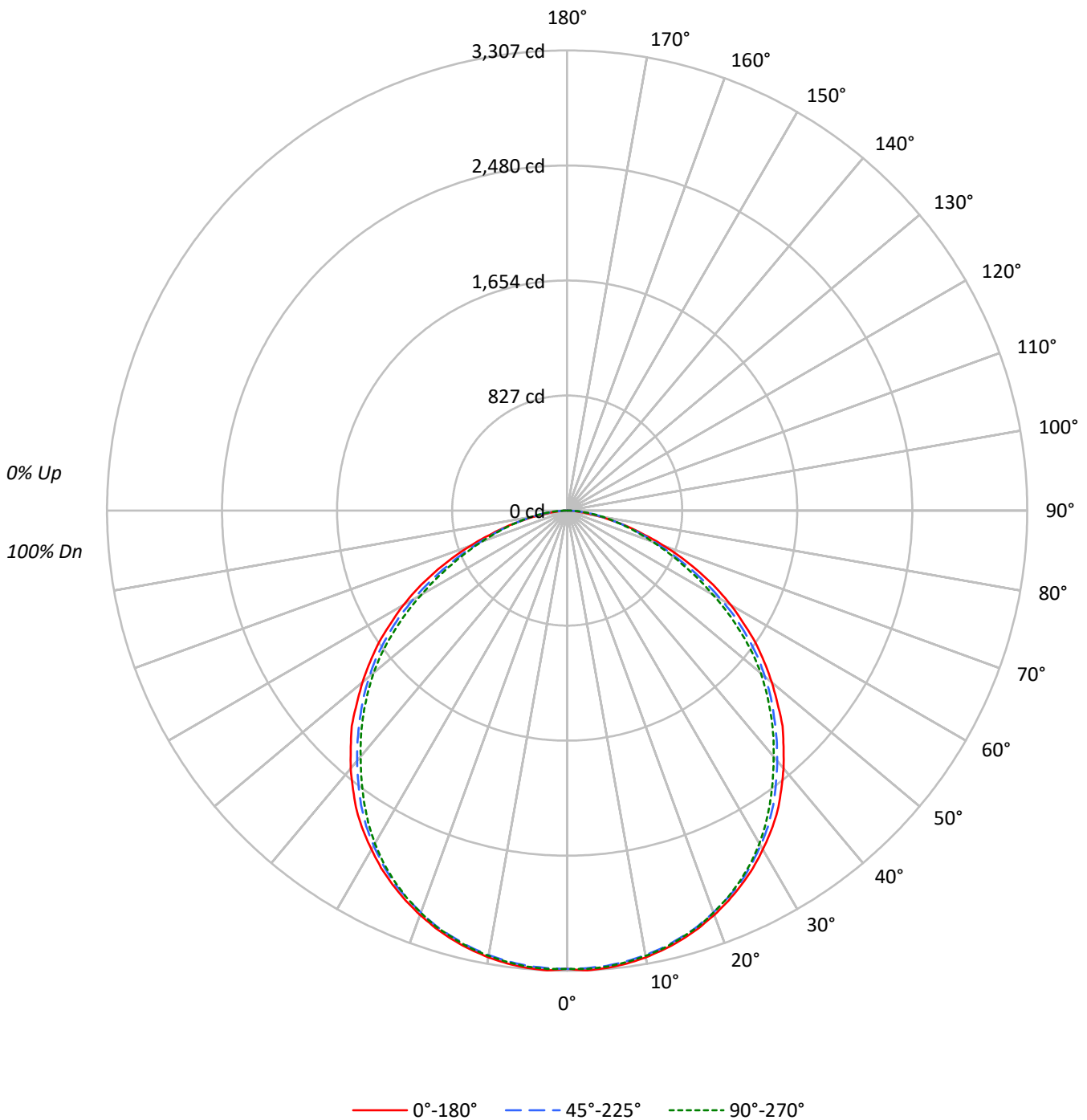
Lumens per Lamp: N/A
Luminaire Lumens: 8783.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 85.4
Input Voltage (V): NR
Input Current (Ain): 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°	4723	4723	4723
5°	4749	4726	4736
10°	4746	4724	4732
15°	4737	4712	4717
20°	4718	4691	4693
25°	4693	4666	4648
30°	4656	4602	4574
35°	4614	4521	4457
40°	4529	4395	4322
45°	4439	4268	4198
50°	4282	4138	4051
55°	4126	3949	3807
60°	3900	3660	3471
65°	3570	3260	3092
70°	3094	2826	2723
75°	2532	2438	2405
80°	1848	2084	2147
85°	1237	1739	1849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.4	3.6
10°-20°	896.9	10.2
20°-30°	1357.3	15.5
30°-40°	1615.1	18.4
40°-50°	1631.4	18.6
50°-60°	1411.6	16.1
60°-70°	964.3	11.0
70°-80°	475.2	5.4
80°-90°	118.8	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°	2566.6	29.2
0°-40°	4181.7	47.6
0°-60°	7224.7	82.3
0°-90°	8783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8783.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3294	3294	3294	3294	3294	
5°	3300	3287	3284	3281	3290	314
15°	3191	3181	3174	3172	3178	901
25°	2966	2955	2949	2938	2938	1367
35°	2636	2614	2583	2554	2546	1645
45°	2189	2152	2105	2081	2070	1681
55°	1650	1628	1580	1546	1523	1470
65°	1052	1012	961	929	911	1039
75°	457	444	440	437	434	489
85°	75	93	106	110	112	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3294.0	3294.0	3294.0	3294.0	3294.0
2.5°	3307.3	3294.9	3291.1	3288.3	3296.8
5°	3299.7	3287.3	3283.5	3280.6	3290.2
7.5°	3283.5	3271.1	3267.3	3264.4	3272.1
10°	3259.7	3248.3	3244.4	3241.6	3250.2
12.5°	3229.2	3218.7	3214.0	3210.2	3219.7
15°	3191.1	3180.6	3174.0	3172.1	3177.8
17.5°	3145.4	3134.9	3130.2	3127.3	3134.0
20°	3092.1	3080.7	3074.0	3070.2	3075.9
22.5°	3033.0	3021.6	3013.0	3009.2	3011.1
25°	2966.4	2954.9	2949.2	2937.8	2937.8
27.5°	2895.0	2881.6	2867.3	2855.0	2855.9
30°	2812.1	2796.9	2779.7	2763.5	2762.6
32.5°	2728.3	2709.3	2688.3	2666.4	2659.7
35°	2635.9	2614.0	2582.6	2554.0	2546.4
37.5°	2527.4	2507.4	2465.5	2441.7	2429.3
40°	2419.8	2391.2	2348.3	2320.7	2309.3
42.5°	2301.7	2274.1	2228.4	2202.6	2193.1
45°	2189.3	2152.2	2104.6	2080.7	2070.3
47.5°	2049.3	2018.9	1985.5	1957.9	1944.6
50°	1919.8	1895.1	1855.1	1824.6	1816.0
52.5°	1784.6	1763.6	1725.5	1685.5	1676.0
55°	1650.3	1627.5	1579.8	1546.5	1522.7
57.5°	1498.9	1478.9	1434.1	1391.3	1370.3
60°	1359.9	1325.6	1276.1	1229.4	1210.4
62.5°	1208.5	1175.1	1118.0	1070.4	1059.9
65°	1052.3	1012.3	960.9	929.4	911.3
67.5°	894.2	855.2	812.3	792.3	780.9
70°	738.0	706.6	674.2	659.9	649.5
72.5°	587.6	569.5	551.4	545.7	536.1
75°	457.1	443.8	440.0	437.1	434.2
77.5°	329.5	336.2	340.0	343.8	340.0
80°	223.8	238.1	252.4	260.0	260.0
82.5°	138.1	162.8	175.2	182.8	181.9
85°	75.2	93.3	105.7	109.5	112.4
87.5°	30.5	38.1	42.9	46.7	48.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)