

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: P738393

Luminaire Tested: **24PT-100-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738393
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-L840
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

Summary

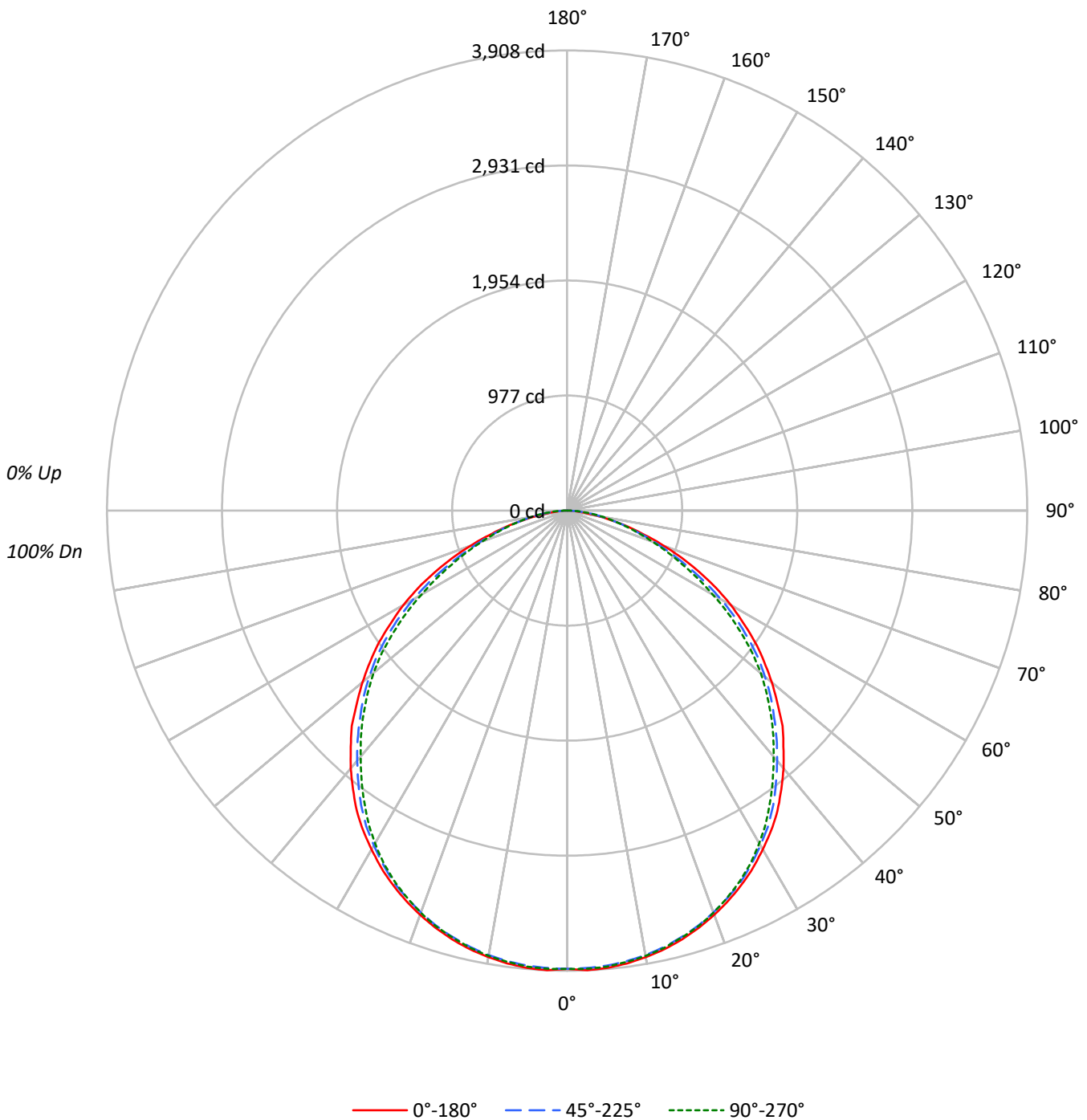
Lumens per Lamp: N/A
Luminaire Lumens: 10377.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	5580	5580	5580
5°	5611	5584	5595
10°	5607	5581	5591
15°	5597	5567	5573
20°	5575	5542	5545
25°	5545	5513	5491
30°	5501	5438	5404
35°	5451	5341	5266
40°	5351	5193	5107
45°	5245	5042	4960
50°	5060	4889	4786
55°	4874	4666	4497
60°	4608	4324	4101
65°	4218	3852	3653
70°	3656	3340	3217
75°	2992	2880	2843
80°	2183	2462	2537
85°	1463	2055	2185



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.1	3.6
10°-20°	1059.6	10.2
20°-30°	1603.7	15.5
30°-40°	1908.2	18.4
40°-50°	1927.5	18.6
50°-60°	1667.8	16.1
60°-70°	1139.3	11.0
70°-80°	561.5	5.4
80°-90°	140.3	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°	3032.4	29.2
0°-40°	4940.6	47.6
0°-60°	8535.9	82.3
0°-90°	10377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3892	3892	3892	3892	3892	
5°	3898	3884	3879	3876	3887	371
15°	3770	3758	3750	3748	3754	1064
25°	3505	3491	3484	3471	3471	1615
35°	3114	3088	3051	3018	3009	1944
45°	2587	2543	2486	2458	2446	1986
55°	1950	1923	1867	1827	1799	1736
65°	1243	1196	1135	1098	1077	1228
75°	540	524	520	516	513	577
85°	89	110	125	129	133	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3891.8	3891.8	3891.8	3891.8	3891.8
2.5°	3907.5	3892.9	3888.4	3885.0	3895.2
5°	3898.5	3883.9	3879.4	3876.0	3887.3
7.5°	3879.4	3864.8	3860.3	3856.9	3865.9
10°	3851.3	3837.8	3833.3	3829.9	3840.0
12.5°	3815.3	3802.9	3797.3	3792.8	3804.0
15°	3770.3	3757.9	3750.0	3747.8	3754.5
17.5°	3716.3	3703.9	3698.3	3694.9	3702.8
20°	3653.3	3639.8	3631.9	3627.4	3634.1
22.5°	3583.5	3570.0	3559.9	3555.4	3557.6
25°	3504.7	3491.2	3484.5	3471.0	3471.0
27.5°	3420.4	3404.6	3387.7	3373.1	3374.2
30°	3322.5	3304.5	3284.2	3265.1	3264.0
32.5°	3223.5	3201.0	3176.2	3150.3	3142.4
35°	3114.3	3088.4	3051.3	3017.6	3008.6
37.5°	2986.1	2962.4	2912.9	2884.8	2870.2
40°	2858.9	2825.2	2774.5	2741.9	2728.4
42.5°	2719.4	2686.8	2632.8	2602.4	2591.1
45°	2586.6	2542.8	2486.5	2458.4	2446.0
47.5°	2421.2	2385.2	2345.9	2313.2	2297.5
50°	2268.2	2239.0	2191.7	2155.7	2145.6
52.5°	2108.5	2083.7	2038.7	1991.5	1980.2
55°	1949.8	1922.8	1866.6	1827.2	1799.1
57.5°	1770.9	1747.3	1694.4	1643.8	1619.0
60°	1606.7	1566.2	1507.7	1452.5	1430.0
62.5°	1427.8	1388.4	1320.9	1264.6	1252.3
65°	1243.3	1196.0	1135.2	1098.1	1076.7
67.5°	1056.5	1010.4	959.7	936.1	922.6
70°	872.0	834.8	796.6	779.7	767.3
72.5°	694.2	672.8	651.4	644.7	633.4
75°	540.1	524.3	519.8	516.4	513.1
77.5°	389.3	397.2	401.7	406.2	401.7
80°	264.4	281.3	298.2	307.2	307.2
82.5°	163.1	192.4	207.0	216.0	214.9
85°	88.9	110.3	124.9	129.4	132.8
87.5°	36.0	45.0	50.6	55.1	57.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)