

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: P738367

Luminaire Tested: **24PT-100-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-100-PC3-L830
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

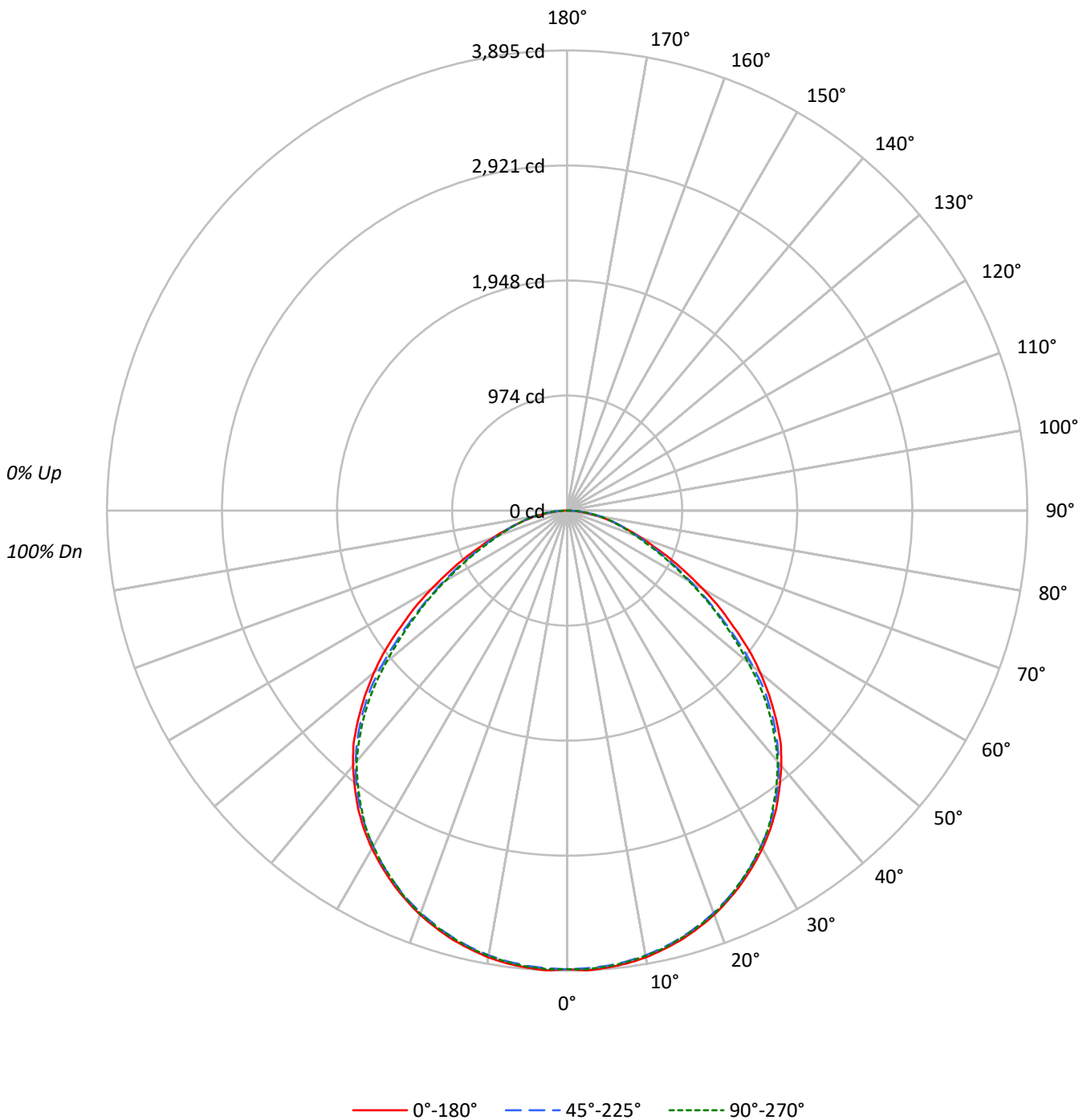
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9792.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5566	5566	5566
5°	5591	5567	5578
10°	5591	5565	5573
15°	5578	5552	5559
20°	5556	5529	5541
25°	5518	5490	5489
30°	5470	5434	5433
35°	5397	5354	5329
40°	5276	5213	5189
45°	5072	4978	4907
50°	4762	4579	4459
55°	4305	4014	3938
60°	3808	3473	3405
65°	3255	3009	2932
70°	2759	2641	2564
75°	2418	2460	2376
80°	2168	2391	2257
85°	1831	2186	2079



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.1	3.8
10°-20°	1056.5	10.8
20°-30°	1600.4	16.3
30°-40°	1911.6	19.5
40°-50°	1885.7	19.3
50°-60°	1459.8	14.9
60°-70°	897.3	9.2
70°-80°	470.1	4.8
80°-90°	142.5	1.5
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°	3025.0	30.9
0°-40°	4936.6	50.4
0°-60°	8282.1	84.6
0°-90°	9792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3882	3882	3882	3882	3882	
5°	3884	3872	3868	3866	3876	369
15°	3758	3746	3740	3737	3745	1060
25°	3488	3477	3470	3468	3469	1607
35°	3084	3070	3059	3049	3045	1925
45°	2501	2483	2455	2429	2420	1924
55°	1722	1676	1606	1582	1575	1545
65°	959	915	887	861	864	957
75°	436	441	444	435	429	470
85°	111	124	133	130	126	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3882.0	3882.0	3882.0	3882.0	3882.0
2.5°	3894.9	3883.0	3877.6	3876.6	3885.2
5°	3884.1	3872.2	3867.9	3865.7	3875.5
7.5°	3866.8	3853.9	3849.5	3846.3	3854.9
10°	3839.8	3826.9	3822.5	3820.4	3827.9
12.5°	3800.9	3789.0	3785.8	3782.6	3792.3
15°	3757.7	3745.8	3740.4	3737.2	3744.7
17.5°	3701.5	3691.8	3685.3	3685.3	3691.8
20°	3641.0	3629.1	3623.7	3620.5	3631.3
22.5°	3566.5	3558.9	3552.4	3547.0	3558.9
25°	3487.6	3476.8	3470.3	3468.2	3469.2
27.5°	3397.9	3390.4	3381.7	3378.5	3380.6
30°	3303.9	3294.2	3282.3	3275.8	3281.2
32.5°	3199.1	3185.1	3175.4	3168.9	3176.4
35°	3083.5	3069.5	3058.7	3048.9	3044.6
37.5°	2951.7	2947.4	2932.3	2915.0	2913.9
40°	2818.8	2806.9	2785.3	2777.8	2772.4
42.5°	2676.2	2651.4	2628.7	2607.1	2599.5
45°	2501.2	2482.8	2454.7	2428.8	2420.1
47.5°	2321.8	2298.1	2271.0	2225.7	2220.3
50°	2134.9	2100.3	2052.8	2015.0	1998.8
52.5°	1940.4	1894.0	1828.1	1795.7	1787.0
55°	1722.2	1675.7	1605.5	1581.7	1575.3
57.5°	1527.7	1459.6	1402.4	1375.4	1384.0
60°	1327.8	1261.9	1211.2	1185.2	1187.4
62.5°	1132.3	1080.4	1042.6	1017.8	1021.0
65°	959.4	915.1	887.0	861.1	864.3
67.5°	789.8	769.3	748.7	733.6	725.0
70°	658.0	649.3	629.9	615.8	611.5
72.5°	538.0	543.5	527.2	522.9	521.8
75°	436.5	440.8	444.1	435.4	428.9
77.5°	349.0	355.5	368.4	356.5	354.4
80°	262.5	275.5	289.6	282.0	273.3
82.5°	183.7	199.9	212.8	203.1	198.8
85°	111.3	124.2	132.9	129.7	126.4
87.5°	49.7	54.0	58.3	59.4	57.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)