

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: P738391

Luminaire Tested: **24PT-100-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738391
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-L830
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

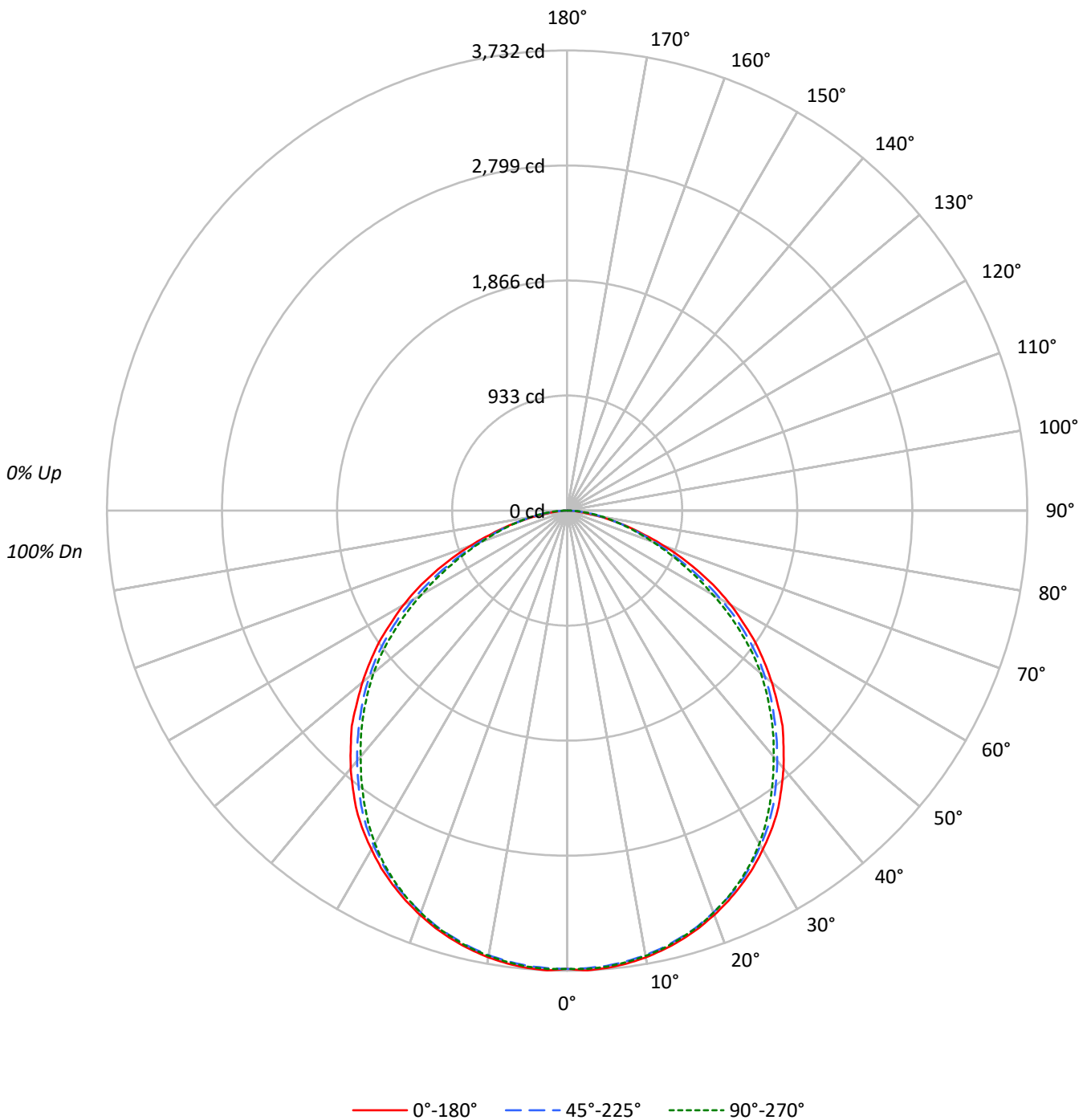
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9912.0 lumens
Efficiency: N/A
Efficacy: 116.1 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

TEST NUMBER: P738391
CATALOG NUMBER: 24PT-100-PW1-L830

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°	5330	5330	5330
5°	5360	5334	5344
10°	5356	5331	5340
15°	5346	5317	5324
20°	5325	5293	5297
25°	5296	5266	5245
30°	5254	5194	5162
35°	5207	5102	5030
40°	5111	4961	4878
45°	5010	4816	4738
50°	4833	4670	4572
55°	4656	4457	4296
60°	4401	4130	3917
65°	4029	3679	3489
70°	3492	3190	3073
75°	2858	2751	2715
80°	2086	2352	2423
85°	1397	1963	2086



TEST NUMBER: P738391

CATALOG NUMBER: 24PT-100-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.6	3.6
10°-20°	1012.1	10.2
20°-30°	1531.8	15.5
30°-40°	1822.7	18.4
40°-50°	1841.1	18.6
50°-60°	1593.1	16.1
60°-70°	1088.3	11.0
70°-80°	536.3	5.4
80°-90°	134.0	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°	2896.5	29.2
0°-40°	4719.2	47.6
0°-60°	8153.4	82.3
0°-90°	9912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3717	3717	3717	3717	3717	
5°	3724	3710	3706	3702	3713	354
15°	3601	3590	3582	3580	3586	1016
25°	3348	3335	3328	3315	3315	1543
35°	2975	2950	2915	2882	2874	1857
45°	2471	2429	2375	2348	2336	1897
55°	1862	1837	1783	1745	1718	1658
65°	1188	1142	1084	1049	1028	1173
75°	516	501	496	493	490	551
85°	85	105	119	124	127	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3717.4	3717.4	3717.4	3717.4	3717.4
2.5°	3732.4	3718.5	3714.2	3710.9	3720.6
5°	3723.8	3709.9	3705.6	3702.3	3713.1
7.5°	3705.6	3691.6	3687.3	3684.1	3692.7
10°	3678.7	3665.8	3661.5	3658.3	3667.9
12.5°	3644.3	3632.5	3627.1	3622.8	3633.6
15°	3601.3	3589.5	3582.0	3579.8	3586.3
17.5°	3549.7	3537.9	3532.5	3529.3	3536.8
20°	3489.5	3476.7	3469.1	3464.8	3471.3
22.5°	3422.9	3410.0	3400.3	3396.0	3398.2
25°	3347.7	3334.8	3328.3	3315.4	3315.4
27.5°	3267.1	3252.0	3235.9	3221.9	3223.0
30°	3173.6	3156.4	3137.0	3118.8	3117.7
32.5°	3079.0	3057.5	3033.9	3009.2	3001.6
35°	2974.8	2950.0	2914.6	2882.3	2873.7
37.5°	2852.3	2829.7	2782.4	2755.5	2741.6
40°	2730.8	2698.6	2650.2	2619.0	2606.1
42.5°	2597.5	2566.4	2514.8	2485.8	2475.0
45°	2470.7	2428.8	2375.1	2348.2	2336.4
47.5°	2312.8	2278.4	2240.7	2209.6	2194.5
50°	2166.6	2138.7	2093.5	2059.1	2049.5
52.5°	2014.0	1990.3	1947.4	1902.2	1891.5
55°	1862.5	1836.7	1782.9	1745.3	1718.4
57.5°	1691.6	1669.0	1618.5	1570.1	1546.5
60°	1534.7	1496.0	1440.1	1387.4	1365.9
62.5°	1363.8	1326.2	1261.7	1208.0	1196.1
65°	1187.5	1142.4	1084.4	1048.9	1028.5
67.5°	1009.1	965.1	916.7	894.1	881.3
70°	832.9	797.4	760.9	744.8	732.9
72.5°	663.1	642.7	622.3	615.8	605.1
75°	515.9	500.8	496.5	493.3	490.1
77.5°	371.8	379.4	383.7	388.0	383.7
80°	252.6	268.7	284.8	293.4	293.4
82.5°	155.8	183.8	197.7	206.3	205.3
85°	84.9	105.3	119.3	123.6	126.8
87.5°	34.4	43.0	48.4	52.7	54.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)