

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: P738706

Luminaire Tested: **24PT-90-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PR1-L850
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

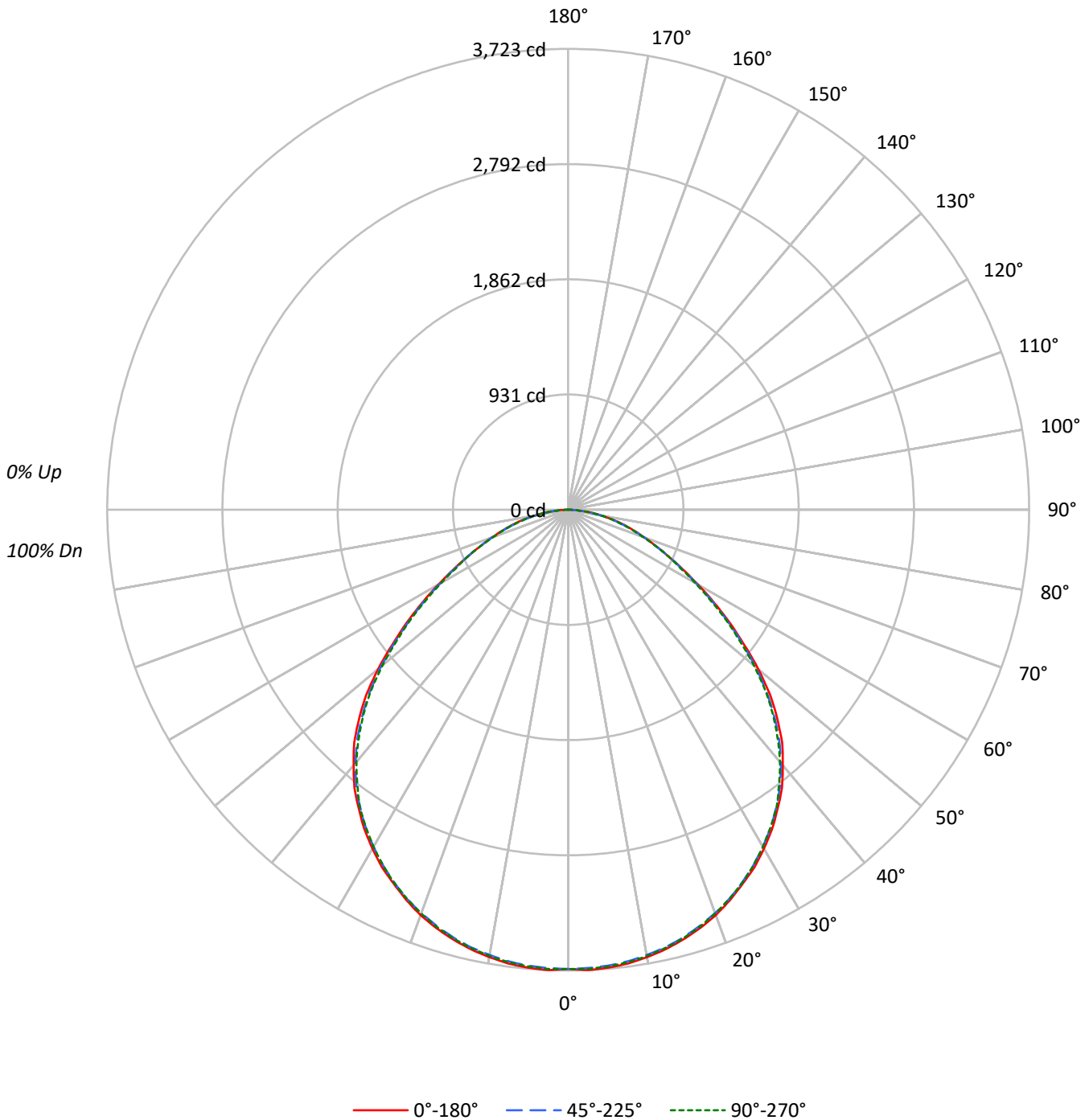
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9450.0 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 75.7
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

TEST NUMBER: P738706
CATALOG NUMBER: 24PT-90-PR1-L850

Luminous Intensity Polar Plot





TEST NUMBER: P738706

CATALOG NUMBER: 24PT-90-PR1-L850

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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5320	5320	5320
5°	5345	5323	5332
10°	5344	5318	5330
15°	5336	5313	5322
20°	5319	5292	5297
25°	5276	5259	5263
30°	5235	5205	5205
35°	5162	5132	5137
40°	5045	5002	4981
45°	4844	4766	4741
50°	4471	4407	4365
55°	3980	3923	3897
60°	3470	3431	3395
65°	3040	3044	3026
70°	2736	2727	2688
75°	2548	2474	2479
80°	2276	2233	2233
85°	1755	1806	1739



TEST NUMBER: P738706

CATALOG NUMBER: 24PT-90-PR1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.9	3.7
10°-20°	1010.7	10.7
20°-30°	1532.4	16.2
30°-40°	1832.8	19.4
40°-50°	1809.6	19.1
50°-60°	1408.5	14.9
60°-70°	894.2	9.5
70°-80°	479.8	5.1
80°-90°	130.1	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°	2895.0	30.6
0°-40°	4727.8	50.0
0°-60°	7945.9	84.1
0°-90°	9450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9450.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3711	3711	3711	3711	3711	
5°	3714	3702	3698	3696	3704	353
15°	3595	3582	3579	3575	3585	1015
25°	3335	3328	3324	3318	3326	1538
35°	2949	2943	2932	2922	2935	1844
45°	2389	2372	2350	2339	2338	1834
55°	1592	1584	1569	1559	1559	1426
65°	896	899	897	886	892	899
75°	460	453	446	445	448	486
85°	107	109	110	110	106	132
90°	0	0	0	0	0	



TEST NUMBER: P738706

CATALOG NUMBER: 24PT-90-PR1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3710.6	3710.6	3710.6	3710.6	3710.6
2.5°	3723.1	3710.6	3706.5	3704.4	3713.7
5°	3713.7	3702.3	3698.2	3696.1	3704.4
7.5°	3698.2	3684.7	3680.6	3678.5	3687.8
10°	3670.2	3657.8	3652.6	3652.6	3660.9
12.5°	3637.1	3626.7	3621.5	3617.4	3626.7
15°	3594.6	3582.2	3579.1	3574.9	3585.3
17.5°	3543.8	3531.4	3527.3	3525.2	3532.4
20°	3485.8	3470.3	3468.2	3467.2	3471.3
22.5°	3414.4	3406.1	3401.9	3399.8	3403.0
25°	3334.6	3328.4	3324.2	3318.0	3326.3
27.5°	3256.9	3248.6	3238.2	3233.1	3238.2
30°	3161.6	3151.2	3144.0	3141.9	3144.0
32.5°	3063.2	3052.8	3043.5	3042.5	3041.4
35°	2949.2	2943.0	2931.6	2922.3	2934.7
37.5°	2836.3	2821.8	2811.5	2800.1	2797.0
40°	2695.4	2690.3	2672.6	2662.3	2661.2
42.5°	2558.7	2534.9	2522.4	2515.2	2503.8
45°	2388.8	2372.2	2350.5	2339.1	2338.0
47.5°	2211.7	2190.9	2170.2	2154.7	2158.8
50°	2004.5	1995.2	1975.5	1962.0	1956.8
52.5°	1791.1	1789.0	1768.3	1760.0	1750.7
55°	1592.2	1583.9	1569.4	1559.0	1559.0
57.5°	1396.4	1389.2	1381.9	1362.2	1362.2
60°	1209.9	1208.9	1196.5	1185.1	1184.0
62.5°	1043.2	1049.4	1038.0	1026.6	1020.4
65°	896.1	899.2	897.1	885.7	891.9
67.5°	766.6	767.6	763.5	757.2	761.4
70°	652.6	657.8	650.5	646.4	641.2
72.5°	553.2	551.1	544.9	548.0	540.7
75°	459.9	452.7	446.5	445.4	447.5
77.5°	366.7	364.6	359.5	359.5	356.4
80°	275.6	273.5	270.4	271.4	270.4
82.5°	195.8	190.6	186.5	188.5	189.6
85°	106.7	108.8	109.8	109.8	105.7
87.5°	43.5	42.5	43.5	45.6	46.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)