

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: P738389

Luminaire Tested: **24PT-100-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738389
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-100-PR1-L940
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

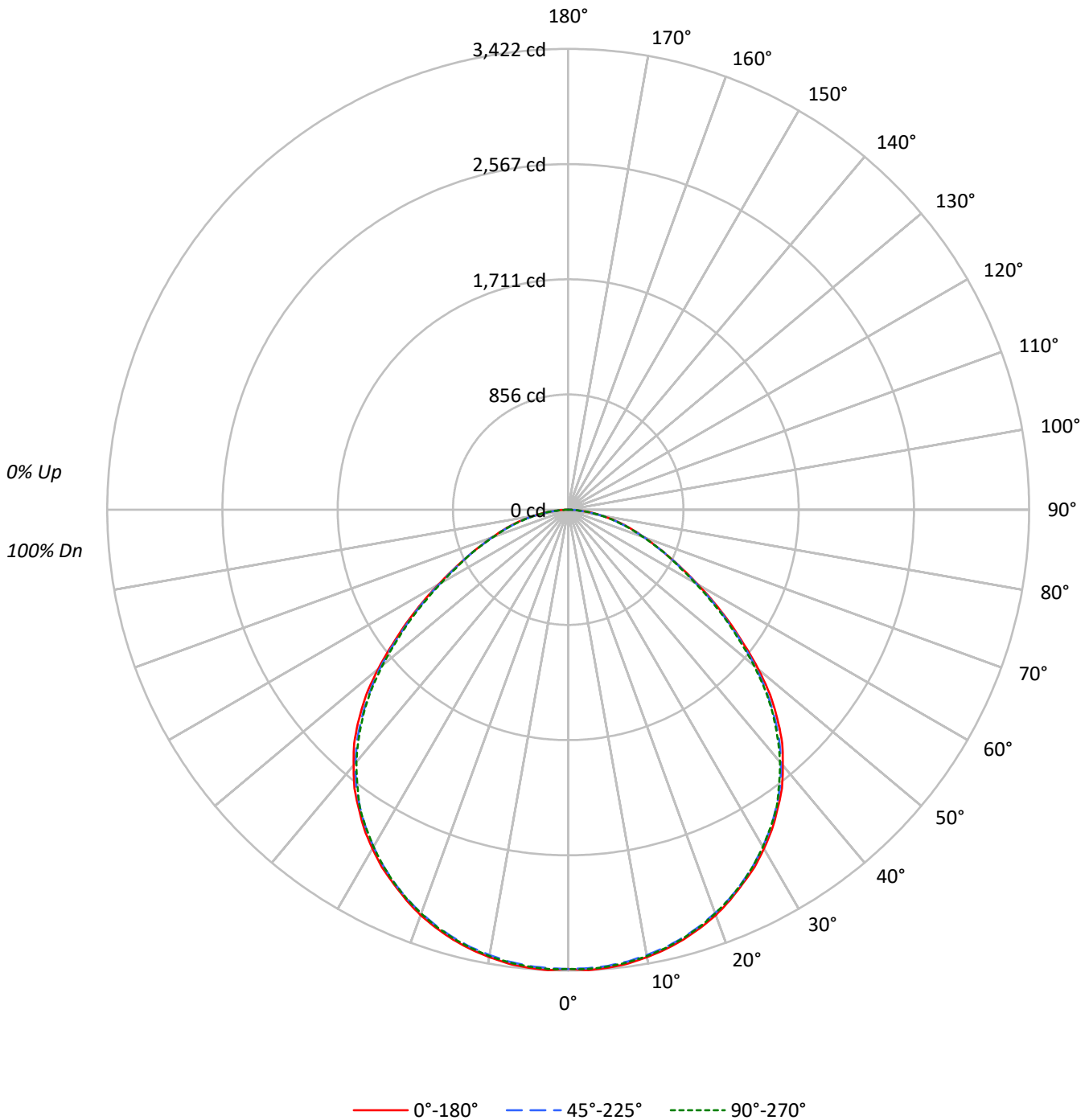
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8687.0 lumens
Efficiency: N/A
Efficacy: 101.7 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): 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: P738389
CATALOG NUMBER: 24PT-100-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P738389

CATALOG NUMBER: 24PT-100-PR1-L940

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	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									100																			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85									85																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72									72																			
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62									62																			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53									53																			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47									47																			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41									41																			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36									36																			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33									33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29									29																			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27									27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4891	4891	4891
5°	4914	4893	4901
10°	4912	4889	4900
15°	4905	4884	4892
20°	4890	4865	4869
25°	4850	4835	4838
30°	4812	4785	4785
35°	4746	4717	4722
40°	4638	4599	4579
45°	4453	4381	4358
50°	4110	4051	4013
55°	3659	3607	3583
60°	3189	3154	3121
65°	2795	2798	2782
70°	2515	2507	2471
75°	2342	2274	2279
80°	2092	2052	2052
85°	1614	1660	1597



TEST NUMBER: P738389

CATALOG NUMBER: 24PT-100-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	3.7
10°-20°	929.1	10.7
20°-30°	1408.7	16.2
30°-40°	1684.8	19.4
40°-50°	1663.5	19.1
50°-60°	1294.8	14.9
60°-70°	822.0	9.5
70°-80°	441.1	5.1
80°-90°	119.6	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°	2661.3	30.6
0°-40°	4346.1	50.0
0°-60°	7304.3	84.1
0°-90°	8687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3411	3411	3411	3411	3411	
5°	3414	3403	3400	3398	3405	325
15°	3304	3293	3290	3286	3296	933
25°	3065	3060	3056	3050	3058	1414
35°	2711	2705	2695	2686	2698	1695
45°	2196	2181	2161	2150	2149	1686
55°	1464	1456	1443	1433	1433	1311
65°	824	827	825	814	820	826
75°	423	416	410	410	411	447
85°	98	100	101	101	97	121
90°	0	0	0	0	0	



TEST NUMBER: P738389

CATALOG NUMBER: 24PT-100-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3411.0	3411.0	3411.0	3411.0	3411.0
2.5°	3422.5	3411.0	3407.2	3405.3	3413.9
5°	3413.9	3403.4	3399.6	3397.7	3405.3
7.5°	3399.6	3387.2	3383.4	3381.5	3390.1
10°	3373.9	3362.5	3357.7	3357.7	3365.3
12.5°	3343.4	3333.9	3329.1	3325.3	3333.9
15°	3304.4	3292.9	3290.1	3286.3	3295.8
17.5°	3257.7	3246.3	3242.5	3240.6	3247.2
20°	3204.4	3190.1	3188.2	3187.2	3191.0
22.5°	3138.7	3131.1	3127.2	3125.3	3128.2
25°	3065.3	3059.6	3055.8	3050.1	3057.7
27.5°	2993.9	2986.3	2976.8	2972.0	2976.8
30°	2906.3	2896.8	2890.1	2888.2	2890.1
32.5°	2815.9	2806.3	2797.8	2796.8	2795.9
35°	2711.1	2705.4	2694.9	2686.3	2697.8
37.5°	2607.3	2594.0	2584.5	2574.0	2571.1
40°	2477.8	2473.0	2456.9	2447.3	2446.4
42.5°	2352.1	2330.2	2318.8	2312.1	2301.6
45°	2195.9	2180.7	2160.7	2150.2	2149.3
47.5°	2033.1	2014.0	1995.0	1980.7	1984.5
50°	1842.6	1834.1	1816.0	1803.6	1798.8
52.5°	1646.5	1644.6	1625.5	1617.9	1609.3
55°	1463.6	1456.0	1442.7	1433.2	1433.2
57.5°	1283.7	1277.0	1270.3	1252.2	1252.2
60°	1112.2	1111.3	1099.9	1089.4	1088.4
62.5°	958.9	964.6	954.2	943.7	938.0
65°	823.7	826.6	824.7	814.2	819.9
67.5°	704.7	705.6	701.8	696.1	699.9
70°	599.9	604.7	598.0	594.2	589.5
72.5°	508.5	506.6	500.9	503.7	497.1
75°	422.8	416.1	410.4	409.5	411.4
77.5°	337.1	335.2	330.4	330.4	327.6
80°	253.3	251.4	248.5	249.5	248.5
82.5°	180.0	175.2	171.4	173.3	174.3
85°	98.1	100.0	100.9	100.9	97.1
87.5°	40.0	39.0	40.0	41.9	42.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)