

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: P738690

Luminaire Tested: **24PT-90-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738690
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-90-PC3-L850
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

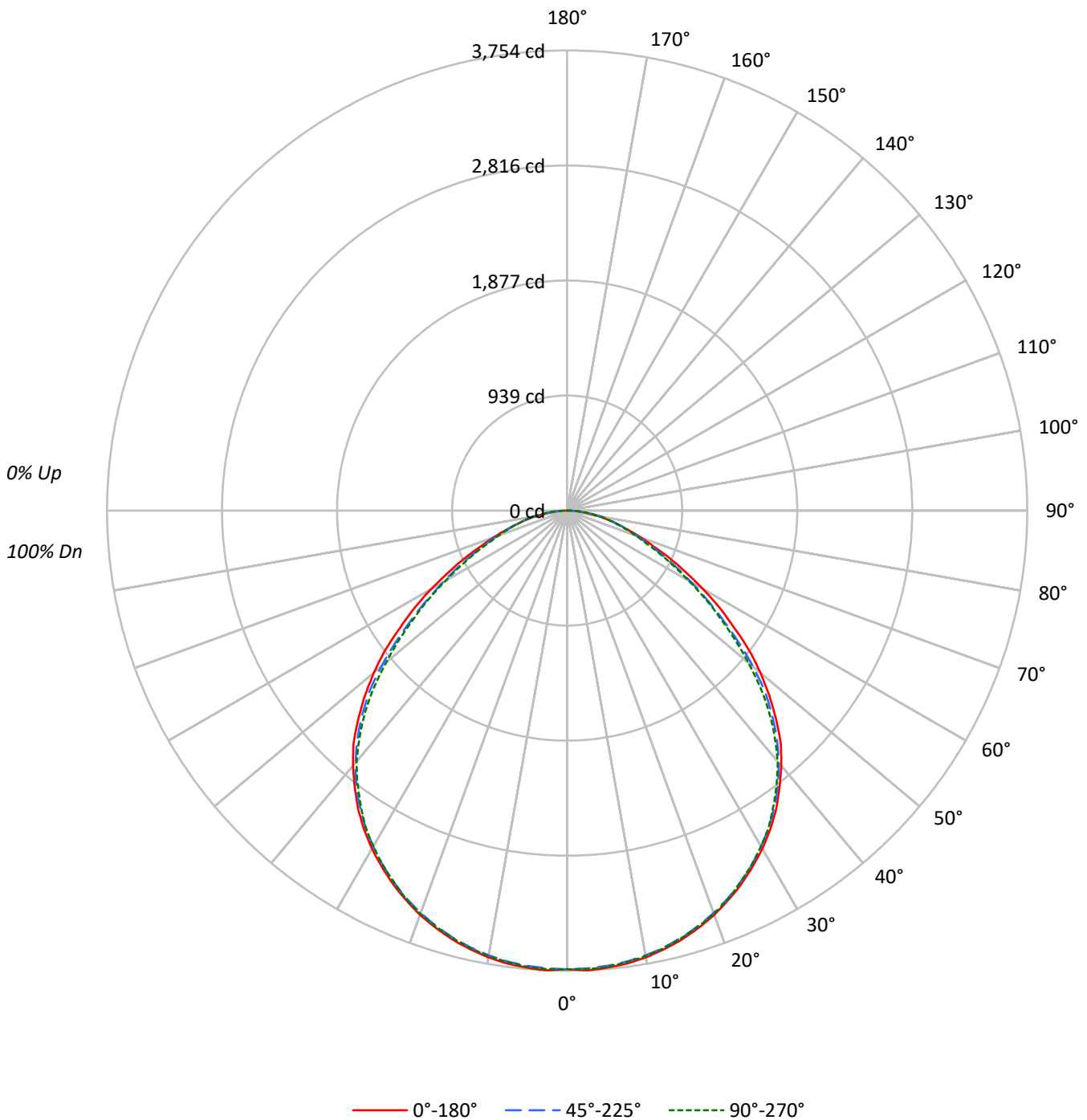
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9439.0 lumens
Efficiency: N/A
Efficacy: 124.7 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): 75.7
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: P738690
CATALOG NUMBER: 24PT-90-PC3-L850

Luminous Intensity Polar Plot





TEST NUMBER: P738690

CATALOG NUMBER: 24PT-90-PC3-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	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°	5366	5366	5366
5°	5389	5367	5377
10°	5389	5365	5372
15°	5377	5352	5358
20°	5356	5330	5341
25°	5319	5292	5291
30°	5273	5239	5237
35°	5203	5161	5137
40°	5086	5026	5002
45°	4889	4798	4731
50°	4591	4414	4298
55°	4150	3869	3796
60°	3671	3348	3282
65°	3138	2901	2827
70°	2659	2546	2471
75°	2331	2371	2291
80°	2090	2305	2176
85°	1765	2107	2005



TEST NUMBER: P738690

CATALOG NUMBER: 24PT-90-PC3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	3.8
10°-20°	1018.4	10.8
20°-30°	1542.7	16.3
30°-40°	1842.6	19.5
40°-50°	1817.7	19.3
50°-60°	1407.2	14.9
60°-70°	864.9	9.2
70°-80°	453.2	4.8
80°-90°	137.4	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°	2916.0	30.9
0°-40°	4758.6	50.4
0°-60°	7983.5	84.6
0°-90°	9439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3742	3742	3742	3742	3742	
5°	3744	3733	3728	3726	3736	356
15°	3622	3611	3606	3602	3610	1022
25°	3362	3352	3345	3343	3344	1549
35°	2972	2959	2948	2939	2935	1856
45°	2411	2393	2366	2341	2333	1855
55°	1660	1615	1548	1525	1518	1490
65°	925	882	855	830	833	923
75°	421	425	428	420	414	453
85°	107	120	128	125	122	125
90°	0	0	0	0	0	



TEST NUMBER: P738690

CATALOG NUMBER: 24PT-90-PC3-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3742.0	3742.0	3742.0	3742.0	3742.0
2.5°	3754.5	3743.1	3737.8	3736.8	3745.1
5°	3744.1	3732.6	3728.5	3726.4	3735.8
7.5°	3727.4	3714.9	3710.8	3707.6	3716.0
10°	3701.4	3688.9	3684.7	3682.6	3689.9
12.5°	3663.9	3652.4	3649.3	3646.2	3655.6
15°	3622.2	3610.8	3605.6	3602.5	3609.7
17.5°	3568.1	3558.7	3552.5	3552.5	3558.7
20°	3509.8	3498.3	3493.1	3490.0	3500.4
22.5°	3437.9	3430.6	3424.4	3419.2	3430.6
25°	3361.9	3351.5	3345.2	3343.1	3344.2
27.5°	3275.4	3268.1	3259.8	3256.7	3258.8
30°	3184.8	3175.4	3164.0	3157.7	3163.0
32.5°	3083.8	3070.3	3060.9	3054.6	3061.9
35°	2972.4	2958.8	2948.4	2939.0	2934.9
37.5°	2845.3	2841.1	2826.6	2809.9	2808.8
40°	2717.2	2705.7	2684.9	2677.6	2672.4
42.5°	2579.7	2555.8	2533.9	2513.1	2505.8
45°	2411.0	2393.3	2366.2	2341.2	2332.9
47.5°	2238.1	2215.2	2189.2	2145.4	2140.2
50°	2057.9	2024.6	1978.8	1942.3	1926.7
52.5°	1870.5	1825.7	1762.2	1730.9	1722.6
55°	1660.1	1615.3	1547.6	1524.7	1518.5
57.5°	1472.6	1407.0	1351.8	1325.8	1334.1
60°	1280.0	1216.4	1167.5	1142.5	1144.6
62.5°	1091.5	1041.5	1005.0	981.1	984.2
65°	924.8	882.1	855.0	830.1	833.2
67.5°	761.3	741.5	721.7	707.2	698.8
70°	634.3	625.9	607.2	593.6	589.5
72.5°	518.7	523.9	508.2	504.1	503.0
75°	420.8	424.9	428.0	419.7	413.5
77.5°	336.4	342.6	355.1	343.7	341.6
80°	253.1	265.6	279.1	271.8	263.5
82.5°	177.1	192.7	205.2	195.8	191.6
85°	107.3	119.8	128.1	125.0	121.9
87.5°	47.9	52.1	56.2	57.3	55.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)