

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: P738689

Luminaire Tested: **24PT-90-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738689
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-L840
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

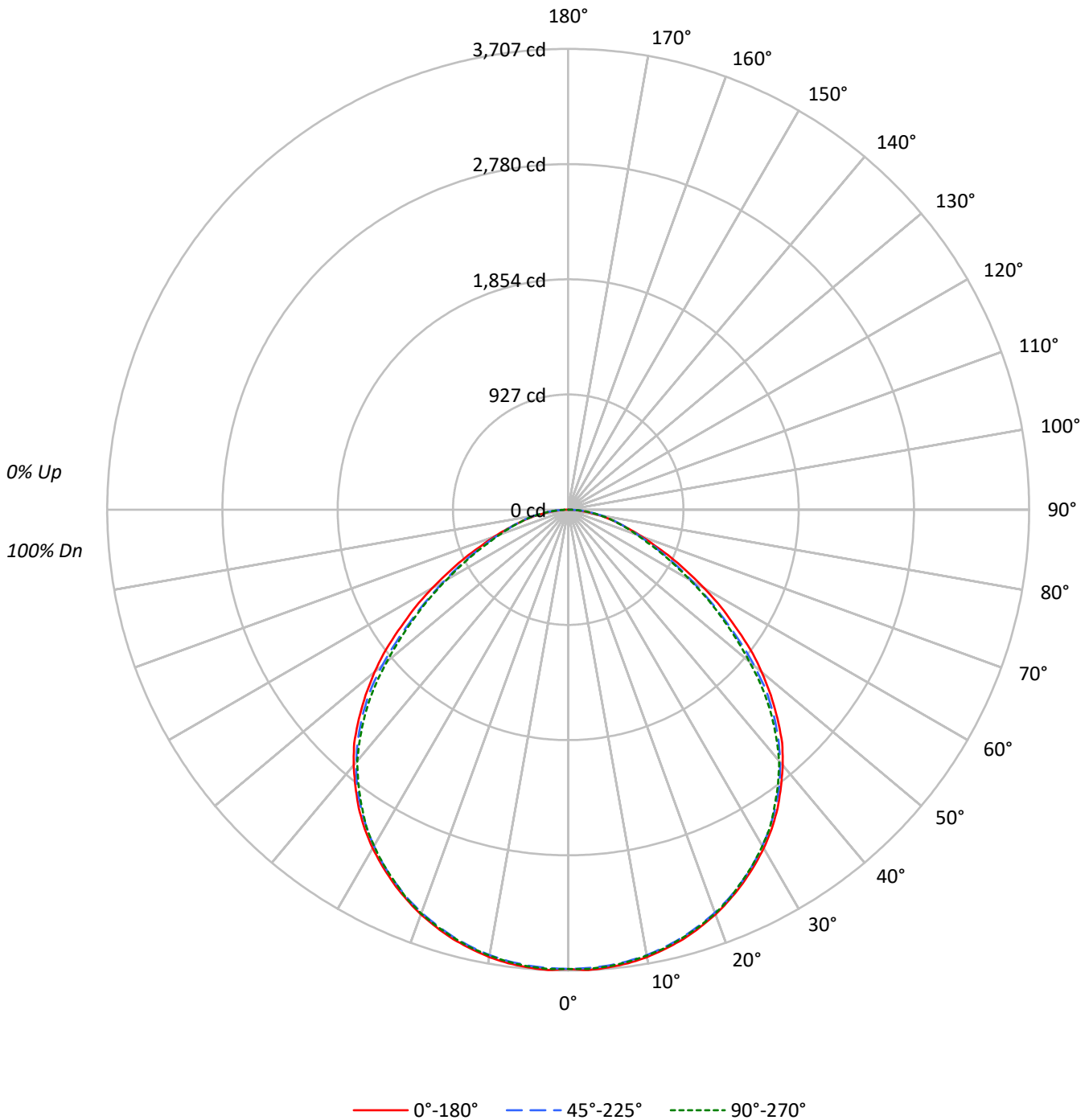
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9319.0 lumens
Efficiency: N/A
Efficacy: 123.1 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 (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: P738689
CATALOG NUMBER: 24PT-90-PC3-L840

Luminous Intensity Polar Plot





TEST NUMBER: P738689

CATALOG NUMBER: 24PT-90-PC3-L840

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	5297	5297	5297
5°	5321	5298	5309
10°	5321	5297	5304
15°	5309	5284	5290
20°	5287	5262	5273
25°	5251	5225	5224
30°	5206	5172	5170
35°	5137	5095	5072
40°	5021	4962	4938
45°	4827	4737	4670
50°	4532	4358	4243
55°	4097	3820	3748
60°	3624	3305	3241
65°	3098	2864	2791
70°	2625	2513	2440
75°	2301	2341	2261
80°	2063	2276	2148
85°	1742	2081	1979



TEST NUMBER: P738689

CATALOG NUMBER: 24PT-90-PC3-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.3	3.8
10°-20°	1005.5	10.8
20°-30°	1523.1	16.3
30°-40°	1819.2	19.5
40°-50°	1794.6	19.3
50°-60°	1389.3	14.9
60°-70°	853.9	9.2
70°-80°	447.4	4.8
80°-90°	135.6	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°	2878.9	30.9
0°-40°	4698.1	50.4
0°-60°	7882.0	84.6
0°-90°	9319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3694	3694	3694	3694	3694	
5°	3696	3685	3681	3679	3688	351
15°	3576	3565	3560	3557	3564	1009
25°	3319	3309	3303	3301	3302	1529
35°	2935	2921	2911	2902	2898	1832
45°	2380	2363	2336	2312	2303	1831
55°	1639	1595	1528	1505	1499	1471
65°	913	871	844	820	823	911
75°	415	420	423	414	408	448
85°	106	118	126	123	120	123
90°	0	0	0	0	0	



TEST NUMBER: P738689

CATALOG NUMBER: 24PT-90-PC3-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3694.4	3694.4	3694.4	3694.4	3694.4
2.5°	3706.8	3695.5	3690.3	3689.3	3697.5
5°	3696.5	3685.2	3681.1	3679.0	3688.3
7.5°	3680.0	3667.7	3663.6	3660.5	3668.7
10°	3654.3	3642.0	3637.9	3635.8	3643.0
12.5°	3617.3	3606.0	3602.9	3599.8	3609.1
15°	3576.2	3564.9	3559.7	3556.7	3563.9
17.5°	3522.7	3513.5	3507.3	3507.3	3513.5
20°	3465.1	3453.8	3448.7	3445.6	3455.9
22.5°	3394.2	3387.0	3380.8	3375.7	3387.0
25°	3319.1	3308.8	3302.7	3300.6	3301.7
27.5°	3233.8	3226.6	3218.4	3215.3	3217.3
30°	3144.3	3135.1	3123.8	3117.6	3122.7
32.5°	3044.6	3031.2	3022.0	3015.8	3023.0
35°	2934.6	2921.2	2910.9	2901.7	2897.6
37.5°	2809.1	2805.0	2790.6	2774.2	2773.1
40°	2682.7	2671.3	2650.8	2643.6	2638.4
42.5°	2546.9	2523.3	2501.7	2481.1	2473.9
45°	2380.4	2362.9	2336.1	2311.5	2303.2
47.5°	2209.7	2187.0	2161.3	2118.2	2113.0
50°	2031.8	1998.9	1953.6	1917.7	1902.2
52.5°	1846.7	1802.5	1739.8	1708.9	1700.7
55°	1639.0	1594.8	1528.0	1505.3	1499.2
57.5°	1453.9	1389.1	1334.6	1308.9	1317.2
60°	1263.7	1201.0	1152.6	1128.0	1130.0
62.5°	1077.6	1028.2	992.2	968.6	971.7
65°	913.1	870.9	844.2	819.5	822.6
67.5°	751.6	732.1	712.6	698.2	689.9
70°	626.2	618.0	599.5	586.1	582.0
72.5°	512.1	517.2	501.8	497.7	496.6
75°	415.4	419.5	422.6	414.4	408.2
77.5°	332.1	338.3	350.6	339.3	337.3
80°	249.9	262.2	275.6	268.4	260.1
82.5°	174.8	190.2	202.6	193.3	189.2
85°	105.9	118.2	126.5	123.4	120.3
87.5°	47.3	51.4	55.5	56.6	54.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)