

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: P738629

Luminaire Tested: **24PT-72-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738629
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-72-PC3-L940
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

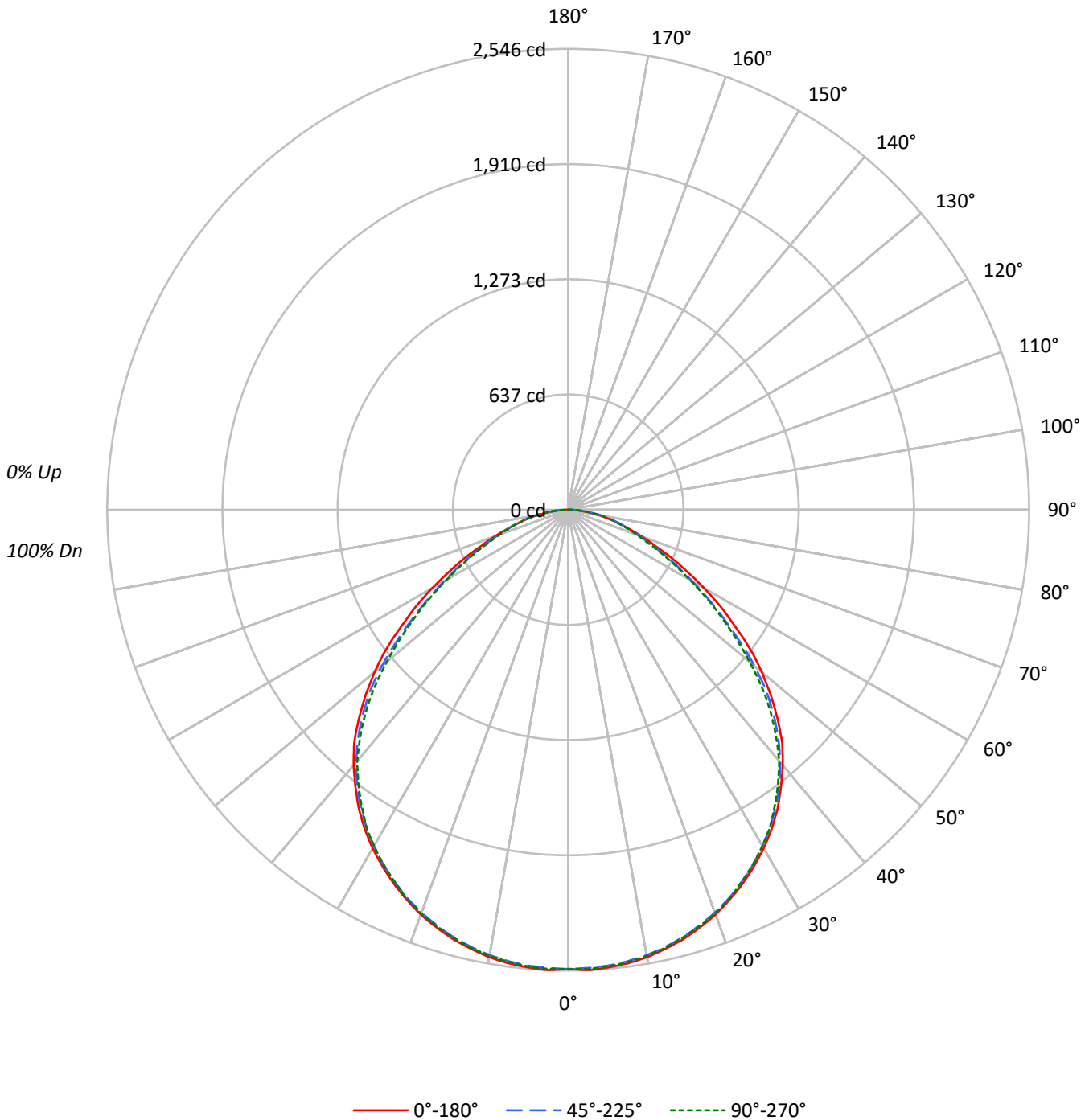
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6401.0 lumens
Efficiency: N/A
Efficacy: 106.5 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): 60.1
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

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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	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	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	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	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3639	3639	3639
5°	3654	3639	3646
10°	3655	3638	3643
15°	3646	3630	3634
20°	3632	3615	3622
25°	3607	3589	3588
30°	3576	3552	3551
35°	3528	3500	3484
40°	3449	3408	3392
45°	3315	3254	3208
50°	3113	2993	2915
55°	2814	2624	2574
60°	2489	2270	2226
65°	2128	1967	1917
70°	1803	1726	1676
75°	1581	1608	1553
80°	1417	1563	1476
85°	1196	1430	1359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.6	3.8
10°-20°	690.6	10.8
20°-30°	1046.2	16.3
30°-40°	1249.6	19.5
40°-50°	1232.7	19.3
50°-60°	954.3	14.9
60°-70°	586.5	9.2
70°-80°	307.3	4.8
80°-90°	93.2	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°	1977.4	30.9
0°-40°	3227.0	50.4
0°-60°	5414.0	84.6
0°-90°	6401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2538	2538	2538	2538	2538	
5°	2539	2531	2528	2527	2533	241
15°	2456	2449	2445	2443	2448	693
25°	2280	2273	2268	2267	2268	1050
35°	2016	2006	1999	1993	1990	1258
45°	1635	1623	1605	1588	1582	1258
55°	1126	1095	1050	1034	1030	1010
65°	627	598	580	563	565	626
75°	285	288	290	285	280	307
85°	73	81	87	85	83	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2537.6	2537.6	2537.6	2537.6	2537.6
2.5°	2546.1	2538.3	2534.8	2534.1	2539.7
5°	2539.0	2531.3	2528.4	2527.0	2533.4
7.5°	2527.7	2519.3	2516.4	2514.3	2520.0
10°	2510.1	2501.6	2498.8	2497.4	2502.3
12.5°	2484.7	2476.9	2474.8	2472.6	2479.0
15°	2456.4	2448.6	2445.1	2443.0	2447.9
17.5°	2419.7	2413.3	2409.1	2409.1	2413.3
20°	2380.1	2372.4	2368.8	2366.7	2373.8
22.5°	2331.4	2326.4	2322.2	2318.7	2326.4
25°	2279.8	2272.8	2268.5	2267.1	2267.8
27.5°	2221.2	2216.3	2210.6	2208.5	2209.9
30°	2159.8	2153.4	2145.6	2141.4	2144.9
32.5°	2091.3	2082.1	2075.7	2071.5	2076.4
35°	2015.7	2006.5	1999.4	1993.1	1990.3
37.5°	1929.5	1926.7	1916.8	1905.5	1904.8
40°	1842.7	1834.9	1820.8	1815.8	1812.3
42.5°	1749.4	1733.2	1718.3	1704.2	1699.3
45°	1635.0	1623.0	1604.6	1587.7	1582.0
47.5°	1517.8	1502.2	1484.6	1454.9	1451.4
50°	1395.6	1373.0	1341.9	1317.2	1306.6
52.5°	1268.5	1238.1	1195.0	1173.8	1168.2
55°	1125.8	1095.4	1049.5	1034.0	1029.7
57.5°	998.7	954.2	916.7	899.1	904.7
60°	868.0	824.9	791.7	774.8	776.2
62.5°	740.2	706.3	681.5	665.3	667.4
65°	627.2	598.2	579.8	562.9	565.0
67.5°	516.3	502.9	489.4	479.6	473.9
70°	430.1	424.5	411.8	402.6	399.7
72.5°	351.7	355.3	344.7	341.8	341.1
75°	285.3	288.2	290.3	284.6	280.4
77.5°	228.1	232.4	240.8	233.1	231.7
80°	171.6	180.1	189.3	184.3	178.7
82.5°	120.1	130.7	139.1	132.8	130.0
85°	72.7	81.2	86.9	84.8	82.6
87.5°	32.5	35.3	38.1	38.8	37.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)