

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: P738633

Luminaire Tested: **24PT-72-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-72-PL1-L840
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

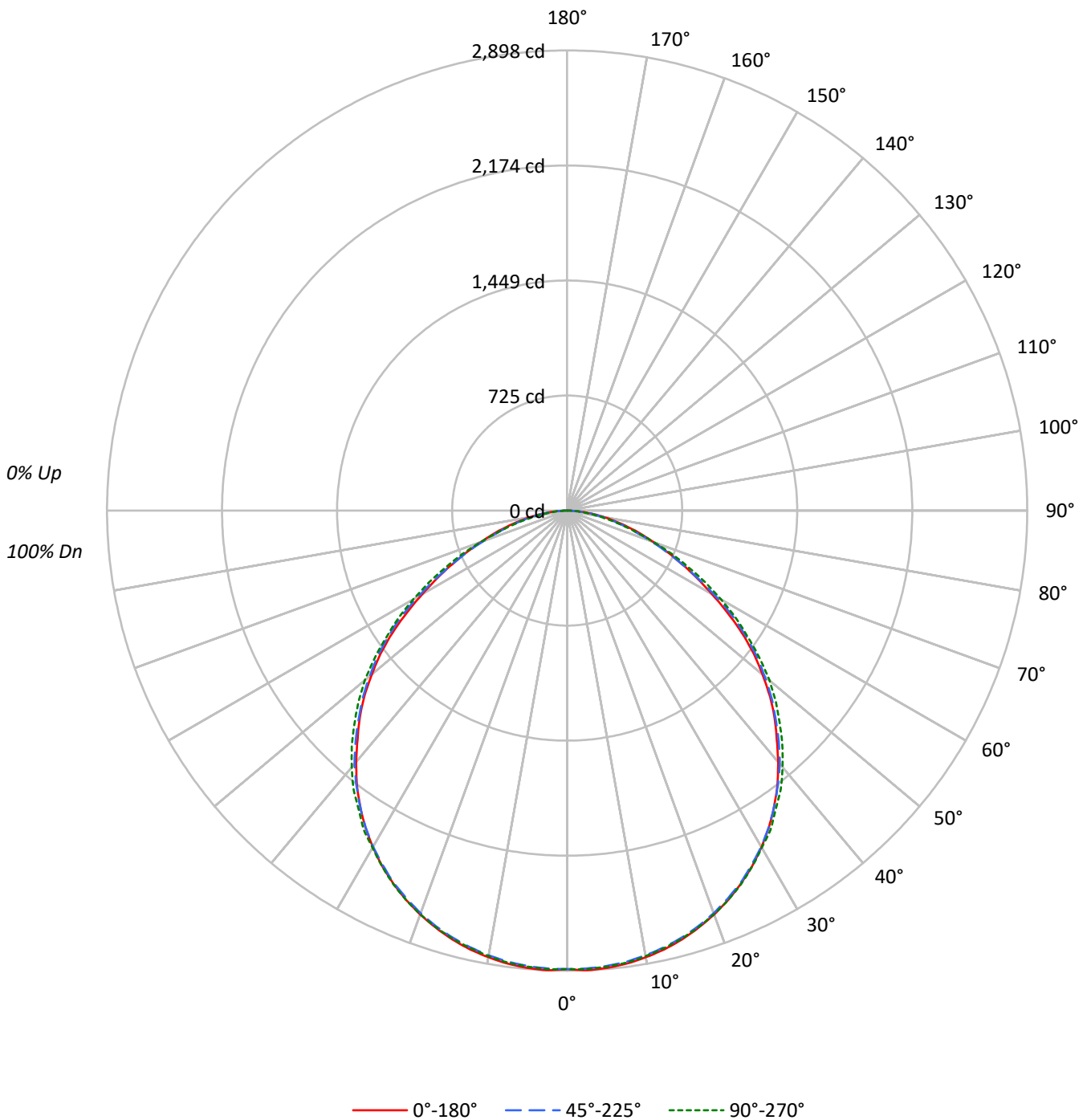
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7644.0 lumens
Efficiency: N/A
Efficacy: 127.2 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): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4141	4141	4141
5°	4161	4143	4149
10°	4159	4142	4149
15°	4151	4134	4143
20°	4130	4118	4128
25°	4100	4091	4104
30°	4052	4046	4060
35°	3978	3980	4010
40°	3869	3898	3951
45°	3749	3765	3839
50°	3581	3622	3709
55°	3362	3424	3476
60°	3018	3092	3206
65°	2701	2706	2853
70°	2408	2342	2426
75°	2175	2046	2009
80°	1933	1803	1590
85°	1584	1502	1242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	3.6
10°-20°	786.5	10.3
20°-30°	1191.7	15.6
30°-40°	1424.1	18.6
40°-50°	1436.5	18.8
50°-60°	1218.8	15.9
60°-70°	806.4	10.5
70°-80°	400.2	5.2
80°-90°	105.9	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°	2252.1	29.5
0°-40°	3676.2	48.1
0°-60°	6331.5	82.8
0°-90°	7644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2888	2888	2888	2888	2888	
5°	2891	2881	2879	2877	2883	275
15°	2797	2787	2785	2785	2791	789
25°	2592	2586	2586	2585	2594	1194
35°	2273	2270	2274	2286	2291	1420
45°	1849	1846	1857	1882	1893	1422
55°	1345	1348	1370	1382	1390	1196
65°	796	794	798	823	841	794
75°	393	382	369	358	363	420
85°	96	96	91	84	76	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2887.9	2887.9	2887.9	2887.9	2887.9
2.5°	2897.8	2888.7	2886.2	2884.6	2891.2
5°	2891.2	2881.2	2878.7	2877.1	2882.9
7.5°	2877.9	2867.1	2865.5	2863.8	2871.3
10°	2856.3	2846.4	2844.7	2843.0	2849.7
12.5°	2830.6	2820.6	2817.3	2818.1	2822.3
15°	2796.6	2787.4	2784.9	2784.9	2790.8
17.5°	2754.2	2745.9	2744.3	2743.4	2750.9
20°	2706.9	2698.6	2698.6	2701.1	2705.3
22.5°	2653.0	2647.1	2643.8	2645.5	2653.8
25°	2591.5	2585.7	2585.7	2584.9	2594.0
27.5°	2523.5	2516.0	2516.0	2522.6	2526.0
30°	2447.1	2440.5	2443.8	2448.8	2452.1
32.5°	2364.9	2360.8	2363.3	2370.7	2384.0
35°	2272.8	2269.5	2273.6	2286.1	2291.0
37.5°	2176.5	2174.0	2179.8	2196.4	2210.5
40°	2066.9	2066.9	2082.7	2097.6	2110.9
42.5°	1953.2	1960.7	1972.3	1995.5	2007.1
45°	1848.6	1846.1	1856.9	1881.8	1893.4
47.5°	1732.4	1729.9	1745.7	1763.1	1782.2
50°	1605.4	1604.6	1623.6	1638.6	1662.7
52.5°	1481.7	1489.2	1501.6	1514.9	1529.0
55°	1344.7	1348.1	1369.6	1382.1	1390.4
57.5°	1197.0	1207.8	1234.3	1252.6	1260.1
60°	1052.5	1059.2	1078.3	1110.7	1118.1
62.5°	921.4	923.9	935.5	972.0	982.0
65°	796.1	794.4	797.7	822.6	840.9
67.5°	682.3	675.7	675.7	689.0	711.4
70°	574.4	564.5	558.6	562.8	578.6
72.5°	483.9	470.7	455.7	453.2	463.2
75°	392.6	381.8	369.4	357.8	362.7
77.5°	312.9	303.8	292.2	278.9	272.3
80°	234.1	230.8	218.3	205.9	192.6
82.5°	163.5	161.0	152.7	142.8	134.5
85°	96.3	96.3	91.3	83.8	75.5
87.5°	43.2	41.5	43.2	36.5	34.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)