

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: P738594

Luminaire Tested: **24PT-60-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738594
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-60-PC3-L850
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

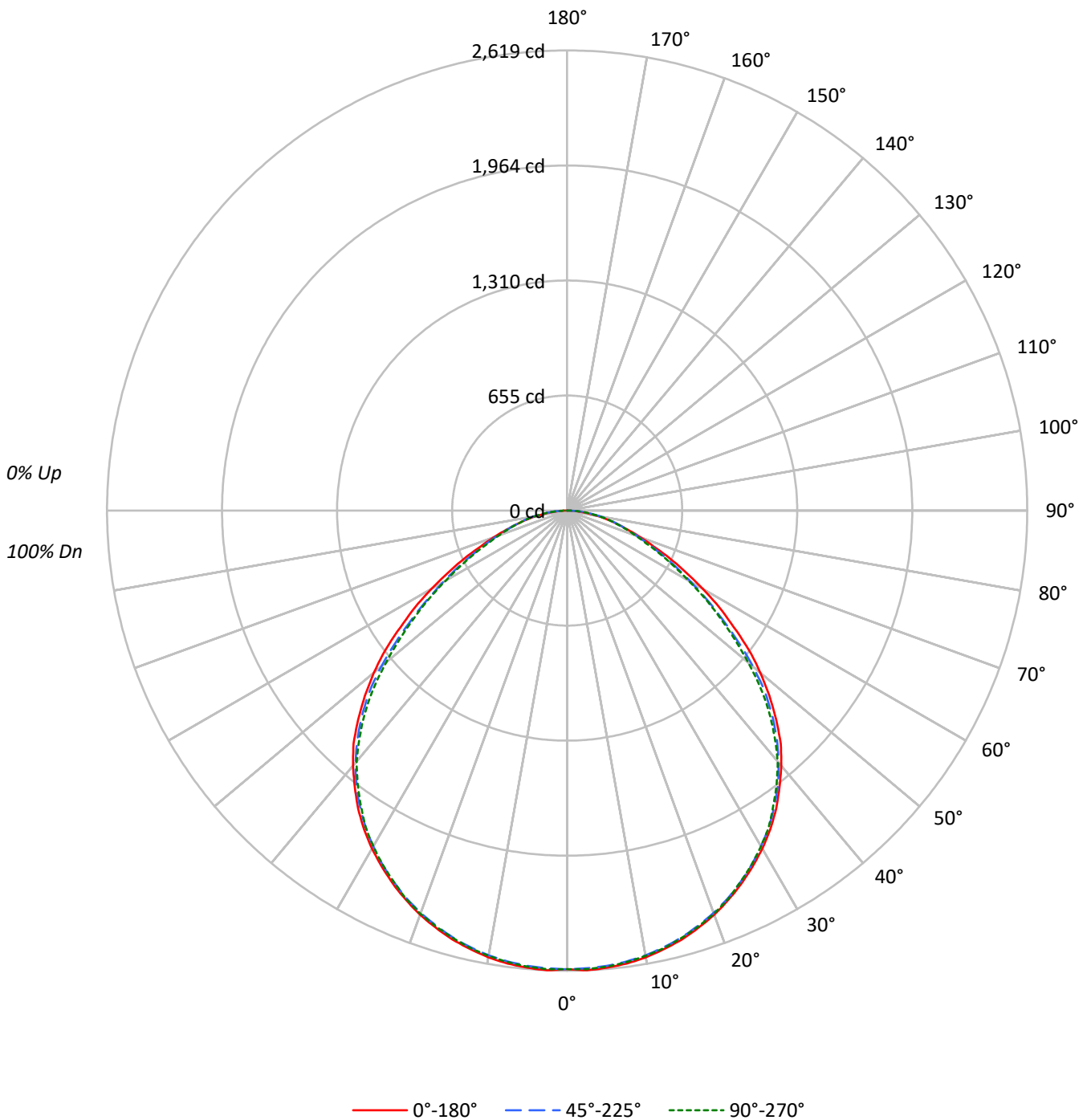
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6584.0 lumens
Efficiency: N/A
Efficacy: 129.9 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): 50.7
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

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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	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°	3743	3743	3743
5°	3759	3743	3751
10°	3759	3742	3747
15°	3751	3733	3738
20°	3736	3718	3726
25°	3710	3692	3691
30°	3678	3654	3653
35°	3629	3600	3583
40°	3548	3505	3489
45°	3410	3347	3300
50°	3202	3079	2998
55°	2895	2699	2648
60°	2560	2335	2290
65°	2189	2023	1972
70°	1855	1775	1724
75°	1626	1654	1598
80°	1457	1608	1518
85°	1231	1471	1398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.5	3.8
10°-20°	710.4	10.8
20°-30°	1076.1	16.3
30°-40°	1285.3	19.5
40°-50°	1267.9	19.3
50°-60°	981.5	14.9
60°-70°	603.3	9.2
70°-80°	316.1	4.8
80°-90°	95.8	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°	2034.0	30.9
0°-40°	3319.3	50.4
0°-60°	5568.7	84.6
0°-90°	6584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2610	2610	2610	2610	2610	
5°	2612	2604	2601	2599	2606	248
15°	2527	2519	2515	2513	2518	713
25°	2345	2338	2333	2332	2333	1080
35°	2073	2064	2057	2050	2047	1294
45°	1682	1669	1650	1633	1627	1294
55°	1158	1127	1080	1064	1059	1039
65°	645	615	596	579	581	644
75°	294	296	299	293	288	316
85°	75	84	89	87	85	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2610.2	2610.2	2610.2	2610.2	2610.2
2.5°	2618.9	2610.9	2607.3	2606.5	2612.3
5°	2611.6	2603.6	2600.7	2599.3	2605.8
7.5°	2600.0	2591.3	2588.4	2586.2	2592.0
10°	2581.8	2573.1	2570.2	2568.8	2573.8
12.5°	2555.7	2547.7	2545.5	2543.3	2549.9
15°	2526.6	2518.6	2515.0	2512.8	2517.9
17.5°	2488.9	2482.3	2478.0	2478.0	2482.3
20°	2448.2	2440.2	2436.5	2434.4	2441.6
22.5°	2398.0	2393.0	2388.6	2385.0	2393.0
25°	2345.0	2337.7	2333.4	2331.9	2332.7
27.5°	2284.7	2279.6	2273.8	2271.6	2273.1
30°	2221.5	2215.0	2207.0	2202.6	2206.3
32.5°	2151.0	2141.6	2135.1	2130.7	2135.8
35°	2073.3	2063.9	2056.6	2050.1	2047.2
37.5°	1984.7	1981.8	1971.6	1960.0	1959.3
40°	1895.3	1887.3	1872.8	1867.7	1864.1
42.5°	1799.4	1782.7	1767.5	1752.9	1747.9
45°	1681.8	1669.4	1650.5	1633.1	1627.3
47.5°	1561.2	1545.2	1527.0	1496.5	1492.9
50°	1435.5	1412.2	1380.3	1354.8	1344.0
52.5°	1304.7	1273.5	1229.2	1207.4	1201.6
55°	1158.0	1126.7	1079.5	1063.5	1059.2
57.5°	1027.2	981.4	942.9	924.8	930.6
60°	892.8	848.5	814.4	796.9	798.4
62.5°	761.3	726.5	701.0	684.3	686.5
65°	645.1	615.3	596.4	579.0	581.2
67.5°	531.0	517.2	503.4	493.3	487.5
70°	442.4	436.6	423.5	414.1	411.2
72.5°	361.8	365.4	354.5	351.6	350.9
75°	293.5	296.4	298.6	292.8	288.4
77.5°	234.6	239.0	247.7	239.7	238.3
80°	176.5	185.2	194.7	189.6	183.8
82.5°	123.5	134.4	143.1	136.6	133.7
85°	74.8	83.5	89.4	87.2	85.0
87.5°	33.4	36.3	39.2	40.0	38.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)