

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: P737943

Luminaire Tested: **14PT-70-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PC3-L830
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

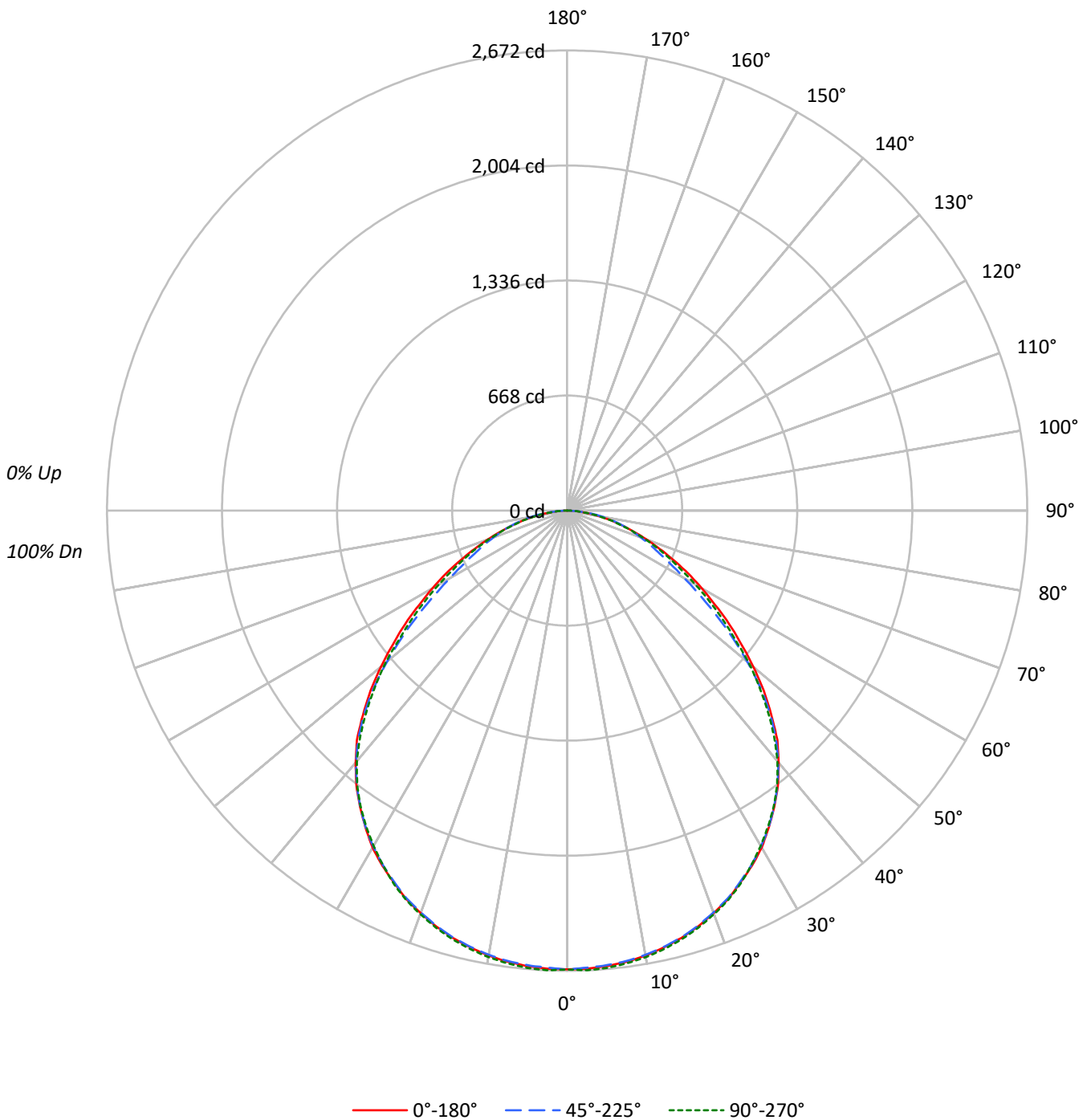
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6716.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
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	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	87					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					72				
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
8	62	49	41	35	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°	7987	7987	7987
5°	7989	7975	8020
10°	7988	7974	8018
15°	7970	7961	7997
20°	7934	7922	7955
25°	7880	7867	7899
30°	7821	7794	7781
35°	7679	7672	7658
40°	7477	7465	7432
45°	7110	7058	6985
50°	6582	6360	6430
55°	6006	5518	5767
60°	5416	4708	5164
65°	4840	4211	4644
70°	4293	3984	4176
75°	3797	3863	3720
80°	3273	3684	3258
85°	2460	2917	2460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.7	3.8
10°-20°	725.2	10.8
20°-30°	1098.0	16.3
30°-40°	1309.1	19.5
40°-50°	1279.1	19.0
50°-60°	978.1	14.6
60°-70°	627.9	9.3
70°-80°	349.3	5.2
80°-90°	96.5	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°	2075.9	30.9
0°-40°	3385.0	50.4
0°-60°	5642.2	84.0
0°-90°	6716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2664	2664	2664	2664	2664	
5°	2654	2656	2650	2662	2665	252
15°	2568	2570	2565	2574	2576	725
25°	2382	2385	2378	2386	2388	1099
35°	2098	2100	2096	2095	2092	1311
45°	1677	1681	1665	1661	1647	1290
55°	1149	1109	1056	1069	1103	1027
65°	682	630	594	614	655	680
75°	328	331	334	329	321	350
85°	72	84	85	82	72	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2664.0	2664.0	2664.0	2664.0	2664.0
2.5°	2662.1	2663.1	2656.4	2667.9	2671.7
5°	2654.5	2656.4	2649.8	2662.1	2665.0
7.5°	2643.1	2645.0	2638.3	2650.7	2651.7
10°	2624.0	2625.0	2619.3	2631.7	2633.6
12.5°	2598.3	2601.2	2594.5	2605.9	2606.9
15°	2567.8	2569.7	2565.0	2573.5	2576.4
17.5°	2531.6	2532.6	2527.8	2537.3	2538.3
20°	2486.8	2486.8	2483.0	2493.5	2493.5
22.5°	2441.1	2438.2	2437.3	2441.1	2446.8
25°	2382.0	2384.9	2378.2	2385.8	2387.7
27.5°	2324.8	2324.8	2319.1	2322.9	2318.2
30°	2259.1	2255.3	2251.5	2252.4	2247.7
32.5°	2180.0	2180.0	2178.1	2178.1	2172.4
35°	2098.1	2100.0	2096.2	2095.2	2092.4
37.5°	2010.4	2013.3	2006.6	2004.7	2002.8
40°	1910.4	1910.4	1907.5	1903.7	1898.9
42.5°	1806.5	1806.5	1794.1	1784.6	1777.9
45°	1676.9	1680.7	1664.6	1660.7	1647.4
47.5°	1548.3	1545.5	1523.5	1520.7	1513.1
50°	1411.1	1394.9	1363.5	1372.0	1378.7
52.5°	1273.9	1253.9	1208.2	1217.7	1229.1
55°	1149.1	1109.1	1055.7	1069.0	1103.3
57.5°	1018.5	965.2	911.8	936.6	979.5
60°	903.3	843.2	785.1	811.8	861.3
62.5°	792.7	728.9	682.2	707.9	749.9
65°	682.2	629.8	593.6	613.6	654.6
67.5°	581.2	546.0	521.2	530.7	564.1
70°	489.7	467.8	454.5	457.3	476.4
72.5°	403.0	397.3	392.6	392.6	394.5
75°	327.8	330.6	333.5	328.7	321.1
77.5°	258.2	267.7	274.4	264.9	255.4
80°	189.6	204.9	213.4	202.9	188.7
82.5°	129.6	146.7	149.6	142.9	126.7
85°	71.5	83.8	84.8	81.9	71.5
87.5°	26.7	31.4	34.3	31.4	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)