

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: P737991

Luminaire Tested: **14PT-80-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737991
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-80-PC3-L830
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

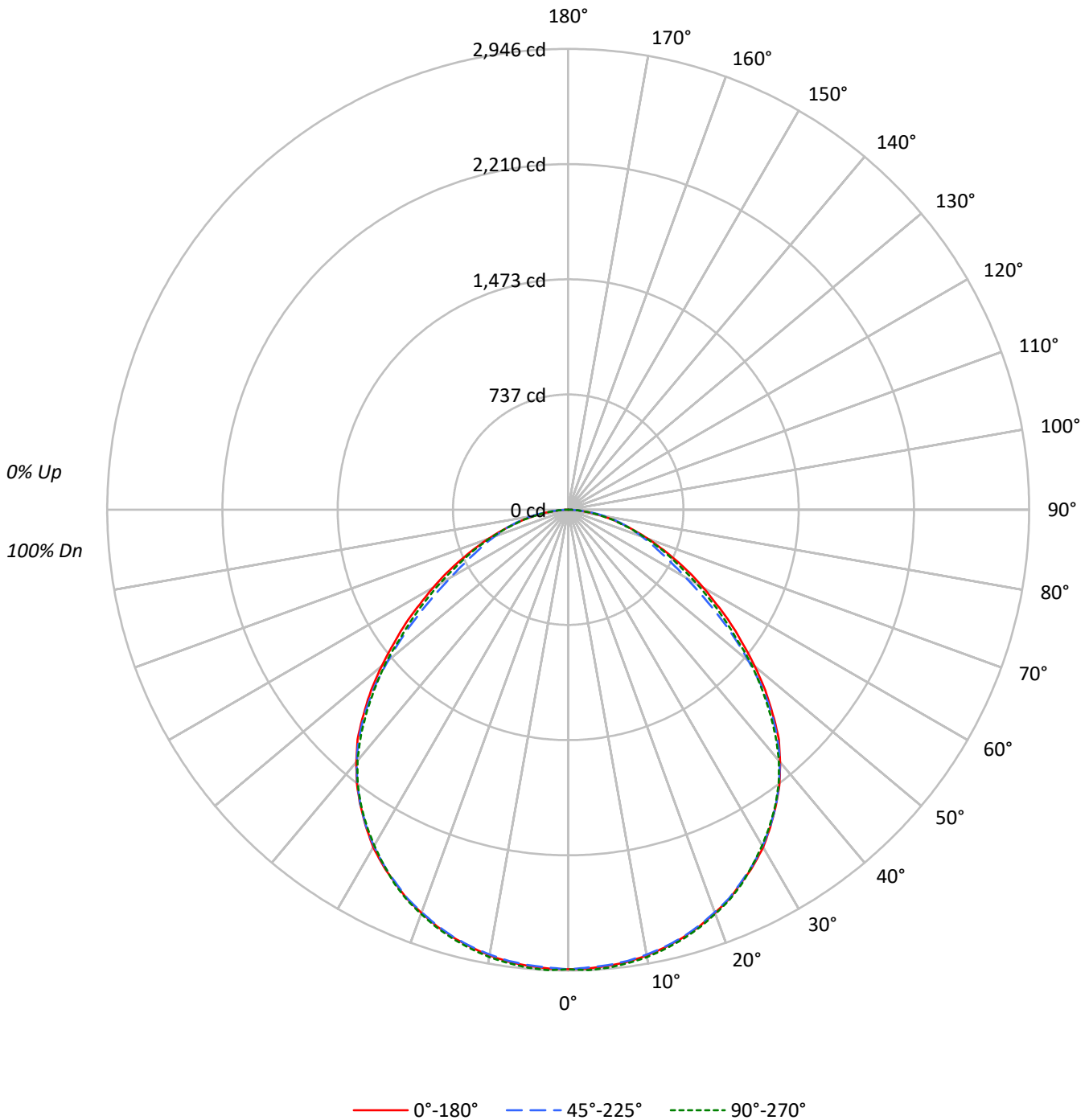
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7406.0 lumens
Efficiency: N/A
Efficacy: 104.3 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): 71
Input Voltage (V): NR
Input Current (Ain): 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°	8807	8807	8807
5°	8809	8794	8844
10°	8809	8793	8841
15°	8789	8779	8818
20°	8749	8736	8773
25°	8689	8675	8710
30°	8624	8595	8581
35°	8468	8460	8445
40°	8245	8232	8195
45°	7840	7783	7703
50°	7258	7013	7091
55°	6623	6085	6360
60°	5973	5191	5695
65°	5337	4644	5120
70°	4734	4393	4605
75°	4186	4259	4102
80°	3610	4064	3591
85°	2711	3216	2711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.6	3.8
10°-20°	799.7	10.8
20°-30°	1210.8	16.3
30°-40°	1443.6	19.5
40°-50°	1410.6	19.0
50°-60°	1078.6	14.6
60°-70°	692.4	9.3
70°-80°	385.2	5.2
80°-90°	106.4	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°	2289.2	30.9
0°-40°	3732.8	50.4
0°-60°	6221.9	84.0
0°-90°	7406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2938	2938	2938	2938	2938	
5°	2927	2929	2922	2936	2939	278
15°	2832	2834	2828	2838	2841	799
25°	2627	2630	2622	2631	2633	1211
35°	2314	2316	2312	2310	2307	1445
45°	1849	1853	1836	1831	1817	1423
55°	1267	1223	1164	1179	1217	1133
65°	752	694	655	677	722	750
75°	361	365	368	362	354	386
85°	79	92	94	90	79	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2937.7	2937.7	2937.7	2937.7	2937.7
2.5°	2935.6	2936.7	2929.3	2942.0	2946.2
5°	2927.2	2929.3	2922.0	2935.6	2938.8
7.5°	2914.6	2916.7	2909.4	2923.0	2924.1
10°	2893.6	2894.7	2888.4	2902.0	2904.1
12.5°	2865.3	2868.4	2861.0	2873.7	2874.7
15°	2831.6	2833.7	2828.5	2837.9	2841.1
17.5°	2791.7	2792.8	2787.5	2798.0	2799.1
20°	2742.3	2742.3	2738.1	2749.7	2749.7
22.5°	2691.9	2688.7	2687.7	2691.9	2698.2
25°	2626.7	2629.9	2622.5	2630.9	2633.0
27.5°	2563.7	2563.7	2557.4	2561.6	2556.3
30°	2491.2	2487.0	2482.8	2483.8	2478.6
32.5°	2404.0	2404.0	2401.9	2401.9	2395.6
35°	2313.6	2315.7	2311.5	2310.5	2307.3
37.5°	2217.0	2220.1	2212.8	2210.7	2208.6
40°	2106.6	2106.6	2103.5	2099.3	2094.0
42.5°	1992.1	1992.1	1978.5	1968.0	1960.6
45°	1849.2	1853.4	1835.6	1831.4	1816.7
47.5°	1707.4	1704.2	1680.1	1676.9	1668.5
50°	1556.1	1538.2	1503.5	1513.0	1520.4
52.5°	1404.8	1382.7	1332.3	1342.8	1355.4
55°	1267.1	1223.0	1164.2	1178.9	1216.7
57.5°	1123.2	1064.4	1005.5	1032.8	1080.1
60°	996.1	929.9	865.8	895.2	949.8
62.5°	874.2	803.8	752.3	780.7	826.9
65°	752.3	694.5	654.6	676.6	721.8
67.5°	640.9	602.0	574.7	585.2	622.0
70°	540.1	515.9	501.2	504.3	525.3
72.5°	444.4	438.1	432.9	432.9	435.0
75°	361.4	364.6	367.7	362.5	354.1
77.5°	284.7	295.2	302.6	292.1	281.6
80°	209.1	225.9	235.4	223.8	208.0
82.5°	142.9	161.8	165.0	157.6	139.7
85°	78.8	92.5	93.5	90.4	78.8
87.5°	29.4	34.7	37.8	34.7	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)