

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: P737945

Luminaire Tested: **14PT-70-PC3-L840**

Issue Date: 2/8/2024



**Test Information**

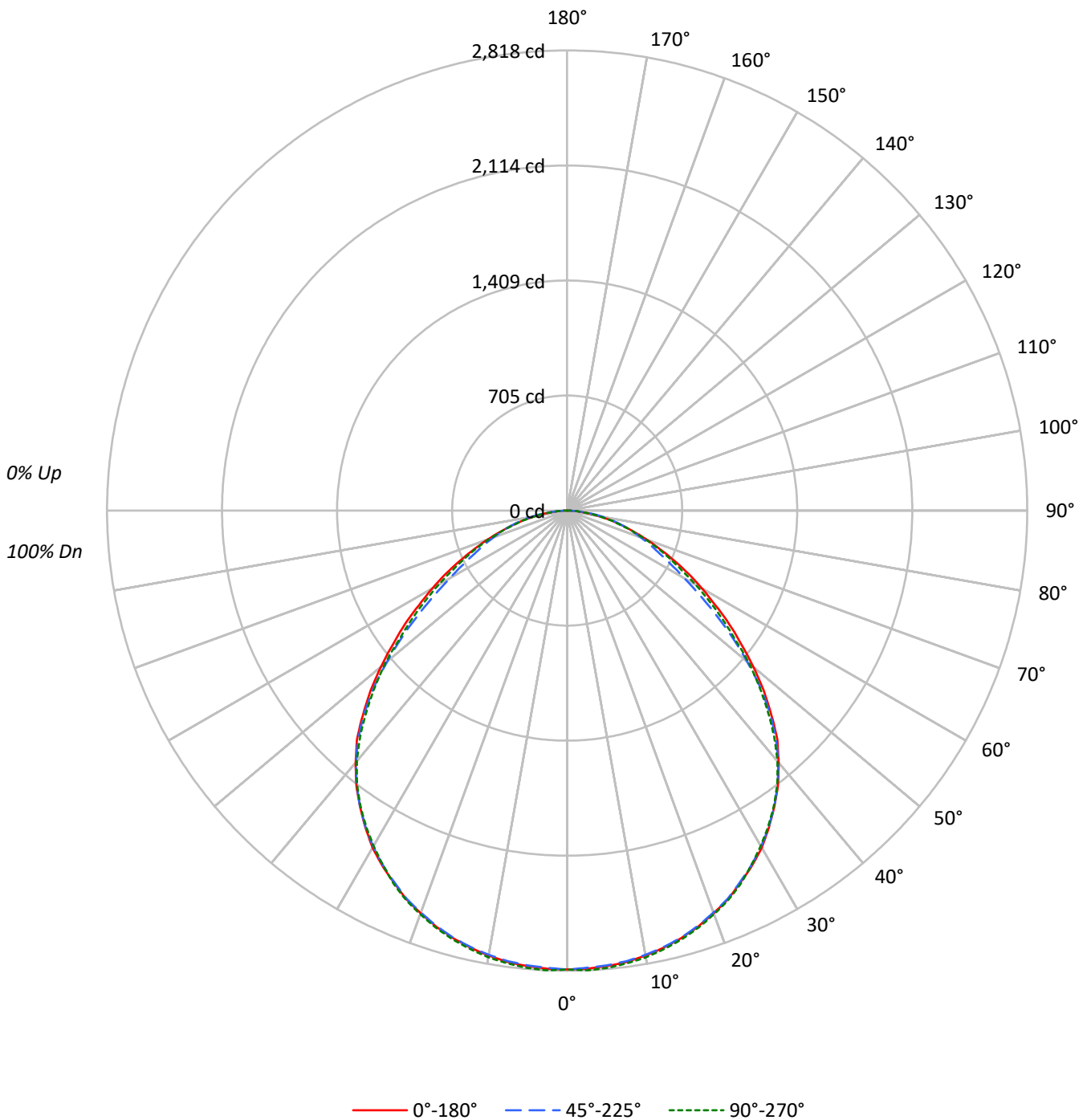
Test Method: LM-79-08  
Report Number: P737945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PC3-L840  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7084.0 lumens  
Efficiency: N/A  
Efficacy: 113.0 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<sub>in</sub>): 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°	8425	8425	8425
5°	8427	8411	8460
10°	8426	8411	8457
15°	8407	8397	8435
20°	8369	8356	8391
25°	8311	8298	8332
30°	8249	8221	8207
35°	8100	8092	8078
40°	7887	7874	7839
45°	7500	7444	7368
50°	6942	6708	6783
55°	6335	5821	6083
60°	5713	4965	5447
65°	5105	4442	4898
70°	4528	4202	4405
75°	4004	4075	3923
80°	3453	3886	3436
85°	2594	3075	2594



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.5	3.8
10°-20°	765.0	10.8
20°-30°	1158.2	16.3
30°-40°	1380.8	19.5
40°-50°	1349.2	19.0
50°-60°	1031.7	14.6
60°-70°	662.3	9.3
70°-80°	368.5	5.2
80°-90°	101.8	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°	2189.7	30.9
0°-40°	3570.5	50.4
0°-60°	5951.4	84.0
0°-90°	7084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7084.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2810	2810	2810	2810	2810	
5°	2800	2802	2795	2808	2811	266
15°	2708	2710	2706	2714	2718	764
25°	2512	2516	2508	2517	2519	1159
35°	2213	2215	2211	2210	2207	1383
45°	1769	1773	1756	1752	1738	1361
55°	1212	1170	1114	1128	1164	1083
65°	720	664	626	647	690	718
75°	346	349	352	347	339	369
85°	75	88	89	86	75	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2810.0	2810.0	2810.0	2810.0	2810.0
2.5°	2808.0	2809.0	2802.0	2814.0	2818.1
5°	2800.0	2802.0	2794.9	2808.0	2811.0
7.5°	2787.9	2789.9	2782.9	2796.0	2797.0
10°	2767.8	2768.8	2762.8	2775.9	2777.9
12.5°	2740.7	2743.7	2736.7	2748.7	2749.7
15°	2708.5	2710.5	2705.5	2714.5	2717.6
17.5°	2670.3	2671.3	2666.3	2676.4	2677.4
20°	2623.1	2623.1	2619.1	2630.1	2630.1
22.5°	2574.8	2571.8	2570.8	2574.8	2580.9
25°	2512.5	2515.6	2508.5	2516.6	2518.6
27.5°	2452.2	2452.2	2446.2	2450.2	2445.2
30°	2382.9	2378.9	2374.8	2375.9	2370.8
32.5°	2299.5	2299.5	2297.5	2297.5	2291.4
35°	2213.0	2215.1	2211.0	2210.0	2207.0
37.5°	2120.6	2123.6	2116.6	2114.6	2112.5
40°	2015.1	2015.1	2012.0	2008.0	2003.0
42.5°	1905.5	1905.5	1892.4	1882.4	1875.4
45°	1768.8	1772.8	1755.8	1751.7	1737.7
47.5°	1633.1	1630.1	1607.0	1604.0	1596.0
50°	1488.4	1471.3	1438.2	1447.2	1454.3
52.5°	1343.7	1322.6	1274.4	1284.4	1296.5
55°	1212.0	1169.8	1113.6	1127.6	1163.8
57.5°	1074.4	1018.1	961.8	987.9	1033.2
60°	952.8	889.4	828.1	856.3	908.5
62.5°	836.2	768.8	719.6	746.7	790.9
65°	719.6	664.3	626.1	647.2	690.4
67.5°	613.1	575.9	549.7	559.8	595.0
70°	516.6	493.5	479.4	482.4	502.5
72.5°	425.1	419.1	414.1	414.1	416.1
75°	345.7	348.7	351.8	346.7	338.7
77.5°	272.4	282.4	289.4	279.4	269.3
80°	200.0	216.1	225.1	214.1	199.0
82.5°	136.7	154.8	157.8	150.8	133.7
85°	75.4	88.4	89.4	86.4	75.4
87.5°	28.1	33.2	36.2	33.2	29.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)