

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: P737968

Luminaire Tested: **14PT-70-PR1-L835**

Issue Date: 2/8/2024



**Test Information**

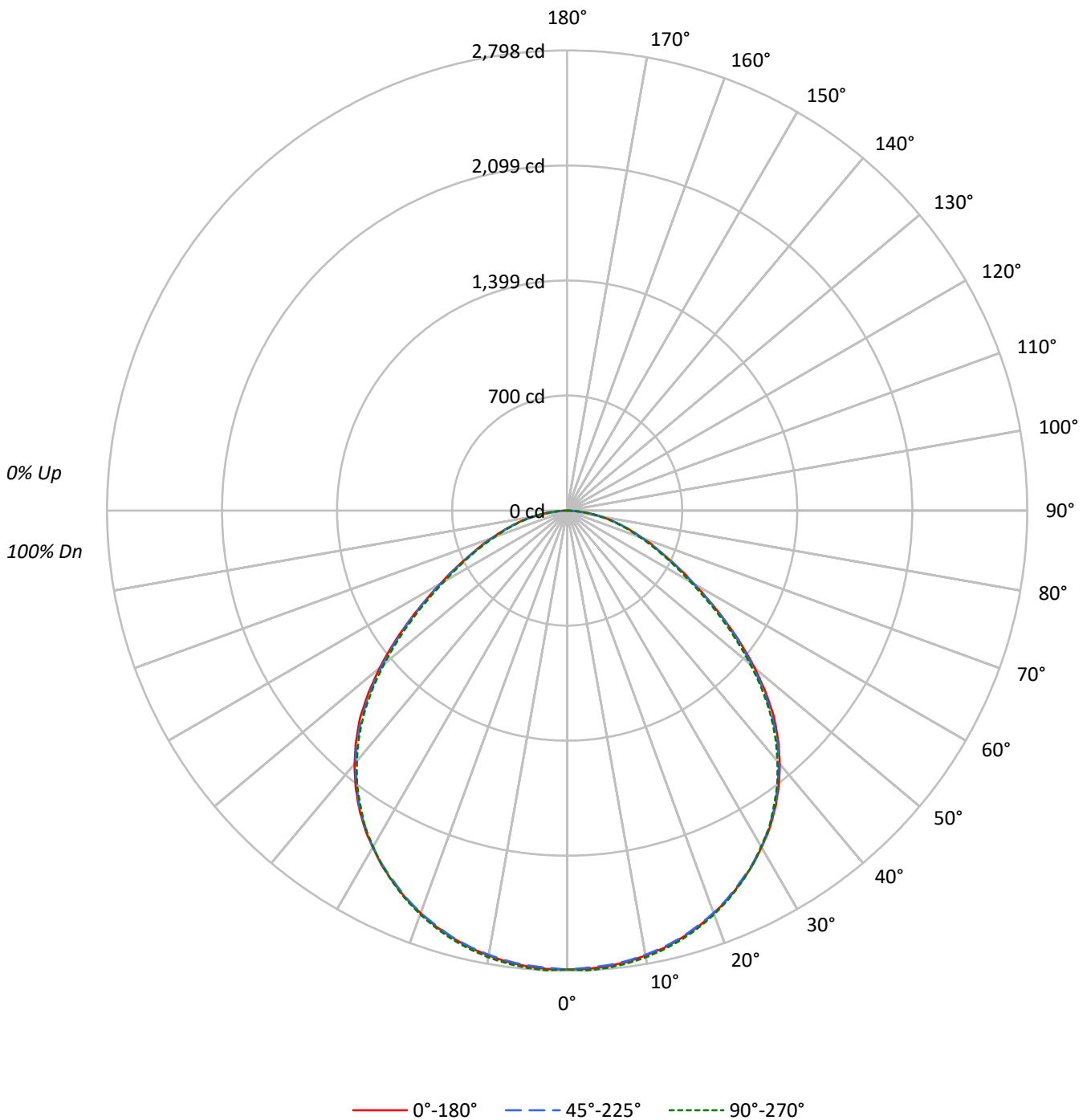
Test Method: LM-79-08  
Report Number: P737968  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PR1-L835  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7055.9 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	88					85				
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	80	73	68	78	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	45	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	39	33	29	39	33	29					27				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8365	8365	8365
5°	8372	8354	8400
10°	8366	8351	8396
15°	8349	8337	8377
20°	8314	8305	8337
25°	8260	8240	8270
30°	8187	8177	8167
35°	8074	8056	8023
40°	7870	7839	7784
45°	7543	7458	7403
50°	6940	6861	6777
55°	6142	6116	5995
60°	5337	5319	5175
65°	4703	4675	4583
70°	4269	4208	4120
75°	3950	3857	3788
80°	3608	3557	3436
85°	2855	2821	2718



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.6	3.8
10°-20°	759.6	10.8
20°-30°	1150.8	16.3
30°-40°	1373.8	19.5
40°-50°	1351.0	19.1
50°-60°	1044.2	14.8
60°-70°	658.4	9.3
70°-80°	356.1	5.0
80°-90°	97.3	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°	2175.0	30.8
0°-40°	3548.8	50.3
0°-60°	5944.0	84.2
0°-90°	7055.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7055.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2790	2790	2790	2790	2790	
5°	2782	2783	2776	2788	2791	264
15°	2690	2691	2686	2695	2699	759
25°	2497	2499	2491	2499	2500	1151
35°	2206	2207	2201	2198	2192	1377
45°	1779	1772	1759	1745	1746	1362
55°	1175	1185	1170	1151	1147	1054
65°	663	664	659	648	646	667
75°	341	337	333	335	327	362
85°	83	84	82	83	79	99
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2790	2790	2790	2790	2790
2.5°	2789	2790	2782	2795	2798
5°	2782	2783	2776	2788	2791
7.5°	2768	2770	2763	2775	2778
10°	2748	2750	2743	2755	2758
12.5°	2723	2724	2718	2729	2732
15°	2690	2691	2686	2695	2699
17.5°	2652	2653	2646	2657	2659
20°	2606	2607	2603	2612	2613
22.5°	2555	2557	2551	2559	2560
25°	2497	2499	2491	2499	2500
27.5°	2436	2437	2430	2436	2435
30°	2365	2371	2362	2360	2359
32.5°	2291	2292	2283	2281	2285
35°	2206	2207	2201	2198	2192
37.5°	2113	2113	2102	2100	2099
40°	2011	2010	2003	1996	1989
42.5°	1900	1902	1888	1876	1874
45°	1779	1772	1759	1745	1746
47.5°	1636	1638	1620	1609	1606
50°	1488	1488	1471	1459	1453
52.5°	1333	1334	1318	1302	1299
55°	1175	1185	1170	1151	1147
57.5°	1027	1035	1021	1001	1000
60°	890	891	887	868	863
62.5°	773	768	766	756	750
65°	663	664	659	648	646
67.5°	574	573	564	557	553
70°	487	484	480	474	470
72.5°	409	409	406	404	397
75°	341	337	333	335	327
77.5°	276	272	269	265	263
80°	209	205	206	200	199
82.5°	145	145	143	138	139
85°	83	84	82	83	79
87.5°	30	31	33	31	31
90°	0	0	0	0	0

(END OF REPORT)