

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: P737944

Luminaire Tested: **14PT-70-PC3-L835**

Issue Date: 2/8/2024



**Test Information**

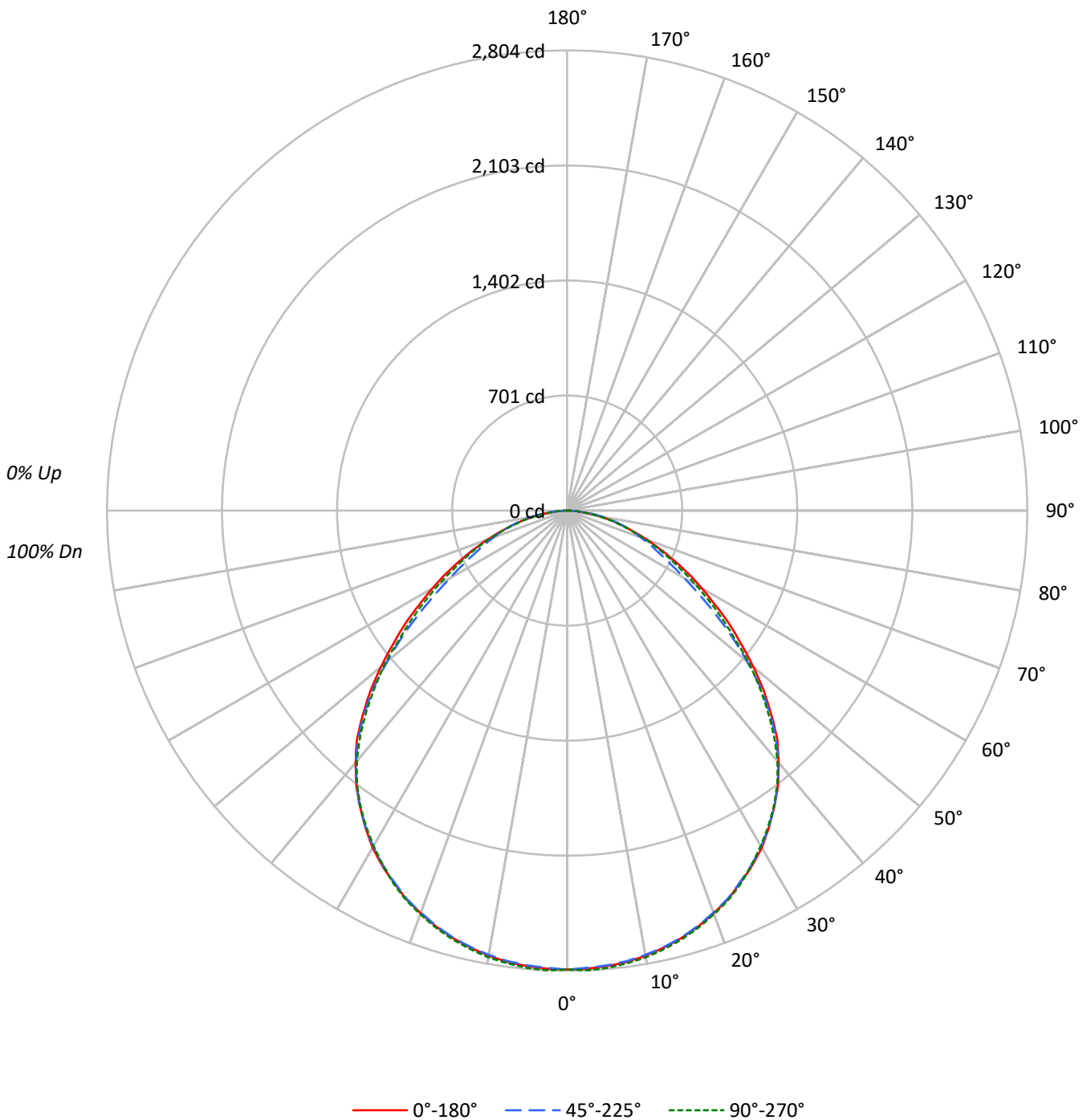
Test Method: LM-79-08  
Report Number: P737944  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PC3-L835  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7048.9 lumens  
Efficiency: N/A  
Efficacy: 112.4 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 (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

TEST NUMBER: P737944  
CATALOG NUMBER: 14PT-70-PC3-L835

### 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	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°	8383	8383	8383
5°	8385	8370	8418
10°	8384	8369	8415
15°	8365	8356	8393
20°	8327	8315	8350
25°	8270	8257	8290
30°	8208	8181	8167
35°	8060	8052	8038
40°	7847	7836	7800
45°	7463	7408	7331
50°	6908	6675	6750
55°	6304	5792	6053
60°	5684	4941	5421
65°	5079	4420	4874
70°	4506	4181	4383
75°	3985	4054	3904
80°	3436	3867	3419
85°	2580	3062	2580



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.2	3.8
10°-20°	761.2	10.8
20°-30°	1152.5	16.3
30°-40°	1374.0	19.5
40°-50°	1342.6	19.0
50°-60°	1026.6	14.6
60°-70°	659.0	9.3
70°-80°	366.6	5.2
80°-90°	101.3	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°	2178.8	30.9
0°-40°	3552.8	50.4
0°-60°	5922.0	84.0
0°-90°	7048.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7048.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2796	2796	2796	2796	2796	
5°	2786	2788	2781	2794	2797	265
15°	2695	2697	2692	2701	2704	761
25°	2500	2503	2496	2504	2506	1153
35°	2202	2204	2200	2199	2196	1376
45°	1760	1764	1747	1743	1729	1354
55°	1206	1164	1108	1122	1158	1078
65°	716	661	623	644	687	714
75°	344	347	350	345	337	368
85°	75	88	89	86	75	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2796.1	2796.1	2796.1	2796.1	2796.1
2.5°	2794.1	2795.1	2788.1	2800.1	2804.1
5°	2786.1	2788.1	2781.1	2794.1	2797.1
7.5°	2774.1	2776.1	2769.1	2782.1	2783.1
10°	2754.1	2755.1	2749.1	2762.1	2764.1
12.5°	2727.1	2730.1	2723.1	2735.1	2736.1
15°	2695.1	2697.1	2692.1	2701.1	2704.1
17.5°	2657.1	2658.1	2653.1	2663.1	2664.1
20°	2610.1	2610.1	2606.1	2617.1	2617.1
22.5°	2562.1	2559.1	2558.1	2562.1	2568.1
25°	2500.1	2503.1	2496.1	2504.1	2506.1
27.5°	2440.1	2440.1	2434.1	2438.1	2433.1
30°	2371.1	2367.1	2363.1	2364.1	2359.1
32.5°	2288.1	2288.1	2286.1	2286.1	2280.1
35°	2202.1	2204.1	2200.1	2199.1	2196.1
37.5°	2110.1	2113.1	2106.1	2104.1	2102.1
40°	2005.1	2005.1	2002.1	1998.1	1993.1
42.5°	1896.1	1896.1	1883.1	1873.1	1866.1
45°	1760.1	1764.1	1747.1	1743.1	1729.1
47.5°	1625.1	1622.1	1599.1	1596.1	1588.1
50°	1481.1	1464.1	1431.1	1440.1	1447.1
52.5°	1337.1	1316.1	1268.1	1278.1	1290.1
55°	1206.1	1164.1	1108.1	1122.1	1158.1
57.5°	1069.1	1013.0	957.0	983.0	1028.1
60°	948.0	885.0	824.0	852.0	904.0
62.5°	832.0	765.0	716.0	743.0	787.0
65°	716.0	661.0	623.0	644.0	687.0
67.5°	610.0	573.0	547.0	557.0	592.0
70°	514.0	491.0	477.0	480.0	500.0
72.5°	423.0	417.0	412.0	412.0	414.0
75°	344.0	347.0	350.0	345.0	337.0
77.5°	271.0	281.0	288.0	278.0	268.0
80°	199.0	215.0	224.0	213.0	198.0
82.5°	136.0	154.0	157.0	150.0	133.0
85°	75.0	88.0	89.0	86.0	75.0
87.5°	28.0	33.0	36.0	33.0	29.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)