

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: P737949

Luminaire Tested: **14PT-70-PC3-L940**

Issue Date: 2/8/2024



**Test Information**

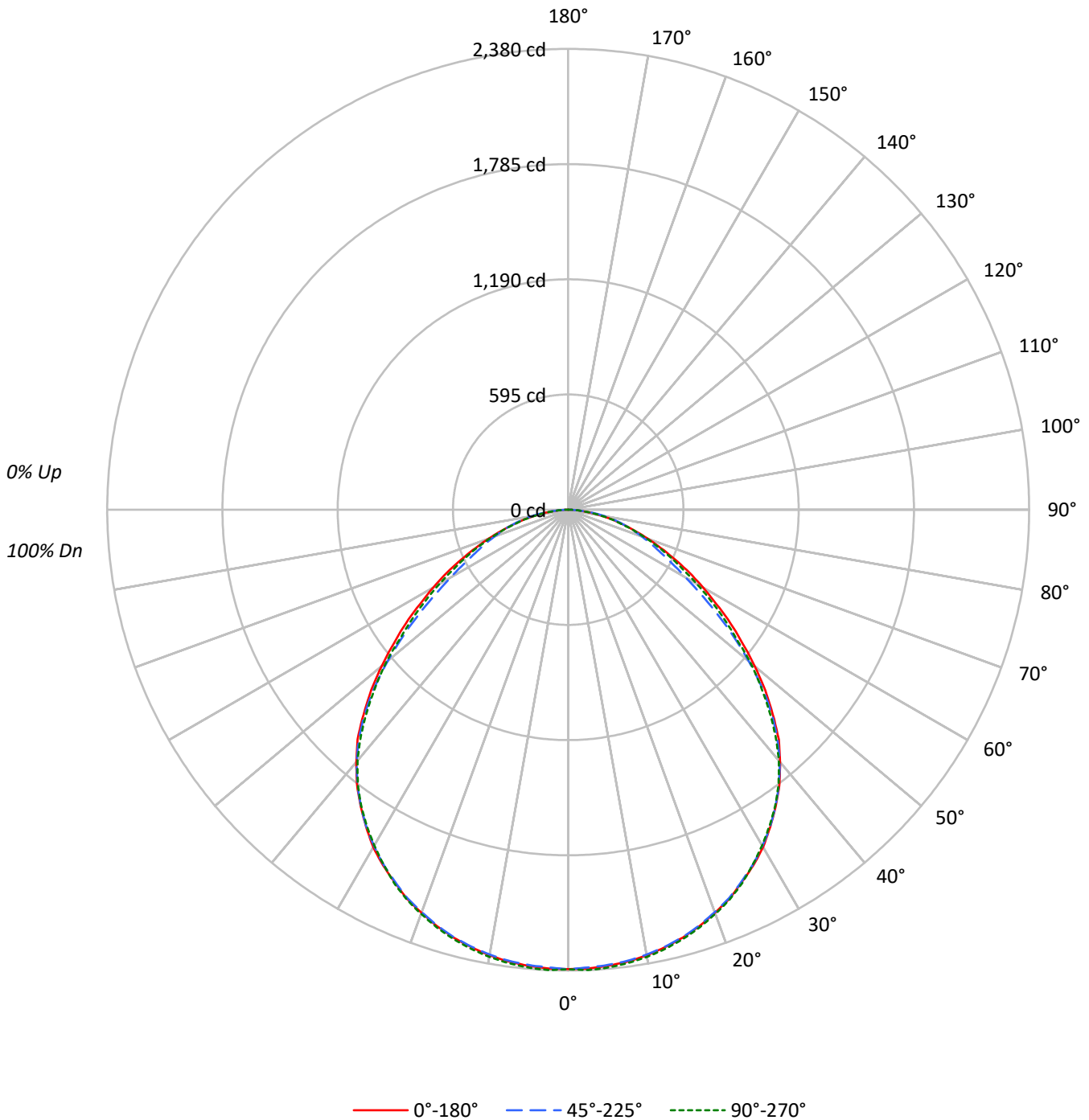
Test Method: LM-79-08  
Report Number: P737949  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PC3-L940  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5982.0 lumens  
Efficiency: N/A  
Efficacy: 95.4 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 (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	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°	7114	7114	7114
5°	7116	7103	7144
10°	7115	7102	7141
15°	7099	7091	7123
20°	7067	7056	7086
25°	7019	7007	7035
30°	6966	6942	6931
35°	6840	6834	6821
40°	6660	6649	6620
45°	6333	6286	6222
50°	5862	5665	5728
55°	5350	4915	5137
60°	4824	4193	4600
65°	4310	3751	4136
70°	3824	3548	3719
75°	3381	3440	3313
80°	2916	3282	2901
85°	2191	2597	2191



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.1	3.8
10°-20°	646.0	10.8
20°-30°	978.0	16.3
30°-40°	1166.0	19.5
40°-50°	1139.3	19.0
50°-60°	871.2	14.6
60°-70°	559.3	9.3
70°-80°	311.2	5.2
80°-90°	85.9	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°	1849.0	30.9
0°-40°	3015.1	50.4
0°-60°	5025.6	84.0
0°-90°	5982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5982.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2373	2373	2373	2373	2373	
5°	2364	2366	2360	2371	2374	225
15°	2287	2289	2285	2292	2295	645
25°	2122	2124	2118	2125	2127	979
35°	1869	1870	1867	1866	1864	1168
45°	1494	1497	1483	1479	1467	1149
55°	1024	988	940	952	983	915
65°	608	561	529	546	583	606
75°	292	294	297	293	286	312
85°	64	75	76	73	64	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2371.2	2372.0	2366.1	2376.3	2379.7
5°	2364.4	2366.1	2360.2	2371.2	2373.7
7.5°	2354.2	2355.9	2350.0	2361.0	2361.9
10°	2337.2	2338.1	2333.0	2344.0	2345.7
12.5°	2314.3	2316.9	2310.9	2321.1	2322.0
15°	2287.2	2288.9	2284.6	2292.3	2294.8
17.5°	2254.9	2255.8	2251.5	2260.0	2260.9
20°	2215.0	2215.0	2211.6	2221.0	2221.0
22.5°	2174.3	2171.8	2170.9	2174.3	2179.4
25°	2121.7	2124.2	2118.3	2125.1	2126.8
27.5°	2070.8	2070.8	2065.7	2069.1	2064.8
30°	2012.2	2008.8	2005.4	2006.3	2002.0
32.5°	1941.8	1941.8	1940.1	1940.1	1935.0
35°	1868.8	1870.5	1867.1	1866.2	1863.7
37.5°	1790.7	1793.2	1787.3	1785.6	1783.9
40°	1701.6	1701.6	1699.0	1695.6	1691.4
42.5°	1609.1	1609.1	1598.1	1589.6	1583.6
45°	1493.7	1497.1	1482.6	1479.2	1467.4
47.5°	1379.1	1376.5	1357.0	1354.5	1347.7
50°	1256.9	1242.5	1214.5	1222.1	1228.0
52.5°	1134.7	1116.9	1076.1	1084.6	1094.8
55°	1023.5	987.9	940.3	952.2	982.8
57.5°	907.2	859.7	812.2	834.2	872.4
60°	804.5	751.1	699.3	723.1	767.2
62.5°	706.1	649.2	607.6	630.6	667.9
65°	607.6	561.0	528.7	546.5	583.0
67.5°	517.7	486.3	464.2	472.7	502.4
70°	436.2	416.7	404.8	407.4	424.3
72.5°	359.0	353.9	349.7	349.7	351.4
75°	291.9	294.5	297.0	292.8	286.0
77.5°	230.0	238.5	244.4	235.9	227.4
80°	168.9	182.5	190.1	180.8	168.0
82.5°	115.4	130.7	133.2	127.3	112.9
85°	63.7	74.7	75.5	73.0	63.7
87.5°	23.8	28.0	30.6	28.0	24.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)