

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: P737942

Luminaire Tested: **14PT-70-PB1-L950**

Issue Date: 2/8/2024



**Test Information**

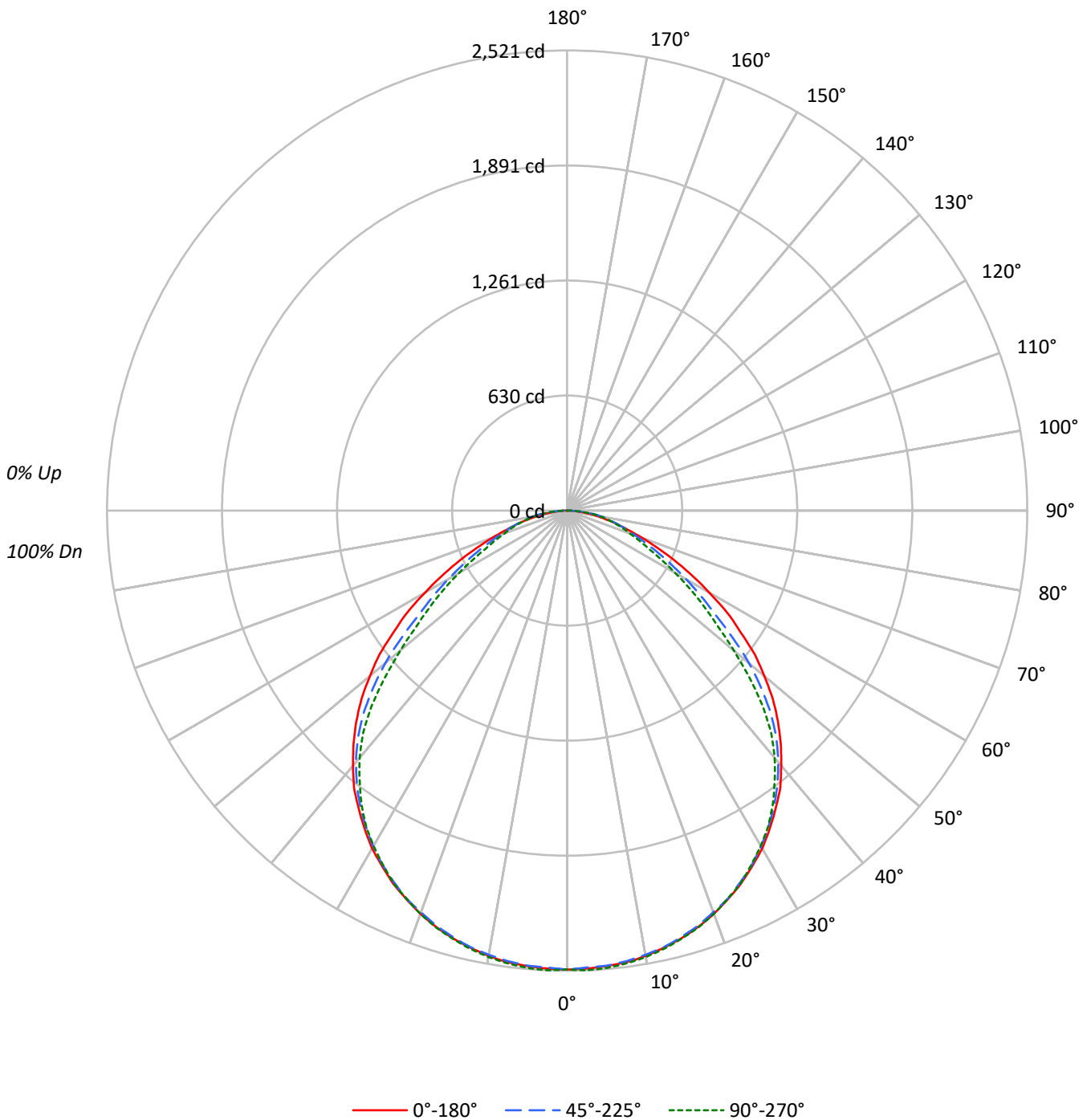
Test Method: LM-79-08  
Report Number: P737942  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PB1-L950  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6270.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 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

TEST NUMBER: P737942  
CATALOG NUMBER: 14PT-70-PB1-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P737942

CATALOG NUMBER: 14PT-70-PB1-L950

**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	93	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62					62			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	7539	7539	7539
5°	7539	7530	7567
10°	7542	7523	7561
15°	7526	7507	7536
20°	7500	7470	7500
25°	7459	7428	7448
30°	7399	7356	7345
35°	7290	7234	7188
40°	7142	7045	6924
45°	6924	6701	6426
50°	6578	6073	5554
55°	6062	5157	4785
60°	5397	4507	4098
65°	4630	3905	3489
70°	3823	3443	3200
75°	3225	3296	3117
80°	2723	3365	3204
85°	2129	3406	2979



TEST NUMBER: P737942

CATALOG NUMBER: 14PT-70-PB1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.4	3.8
10°-20°	684.1	10.9
20°-30°	1036.3	16.5
30°-40°	1234.8	19.7
40°-50°	1207.5	19.3
50°-60°	913.3	14.6
60°-70°	561.1	8.9
70°-80°	299.0	4.8
80°-90°	95.4	1.5
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°	1958.8	31.2
0°-40°	3193.7	50.9
0°-60°	5314.5	84.8
0°-90°	6270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6270.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2514	2514	2514	2514	2514	
5°	2505	2508	2502	2511	2514	238
15°	2425	2428	2419	2428	2428	684
25°	2255	2252	2245	2248	2252	1038
35°	1992	1989	1976	1967	1964	1246
45°	1633	1624	1580	1528	1516	1256
55°	1160	1101	987	931	916	1039
65°	653	600	550	507	492	649
75°	278	282	284	275	269	298
85°	62	80	99	93	87	74
90°	0	0	0	0	0	



TEST NUMBER: P737942

CATALOG NUMBER: 14PT-70-PB1-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2514.5	2514.5	2514.5	2514.5	2514.5
2.5°	2511.4	2514.5	2505.2	2517.6	2520.7
5°	2505.2	2508.3	2502.1	2511.4	2514.5
7.5°	2496.0	2496.0	2489.8	2499.1	2502.1
10°	2477.4	2477.4	2471.2	2480.5	2483.6
12.5°	2452.7	2452.7	2449.6	2455.8	2458.8
15°	2424.8	2427.9	2418.6	2427.9	2427.9
17.5°	2390.8	2387.7	2384.6	2390.8	2393.9
20°	2350.6	2350.6	2341.3	2347.5	2350.6
22.5°	2304.2	2304.2	2301.1	2304.2	2301.1
25°	2254.7	2251.6	2245.4	2248.5	2251.6
27.5°	2195.9	2195.9	2189.8	2189.8	2186.7
30°	2137.2	2134.1	2124.8	2118.6	2121.7
32.5°	2066.0	2063.0	2053.7	2047.5	2050.6
35°	1991.8	1988.7	1976.4	1967.1	1964.0
37.5°	1917.6	1908.3	1892.8	1880.5	1868.1
40°	1824.8	1815.5	1800.1	1772.2	1769.1
42.5°	1732.0	1722.7	1698.0	1664.0	1654.7
45°	1633.0	1623.8	1580.5	1527.9	1515.5
47.5°	1527.9	1512.4	1444.4	1379.4	1354.7
50°	1410.4	1382.5	1302.1	1218.6	1190.8
52.5°	1295.9	1246.4	1141.3	1067.0	1039.2
55°	1159.8	1101.1	986.6	931.0	915.5
57.5°	1039.2	958.8	866.0	810.3	798.0
60°	900.0	825.8	751.6	702.1	683.5
62.5°	773.2	708.3	646.4	603.1	581.5
65°	652.6	600.0	550.5	507.2	491.8
67.5°	535.1	507.2	467.0	433.0	423.7
70°	436.1	420.6	392.8	377.3	365.0
72.5°	346.4	352.6	334.0	327.8	318.6
75°	278.4	281.5	284.5	275.3	269.1
77.5°	210.3	225.8	238.2	232.0	225.8
80°	157.7	173.2	194.9	185.6	185.6
82.5°	108.3	126.8	145.4	139.2	136.1
85°	61.9	80.4	99.0	92.8	86.6
87.5°	24.7	40.2	43.3	43.3	40.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)