

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: P737972

Luminaire Tested: **14PT-70-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737972  
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-L935  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

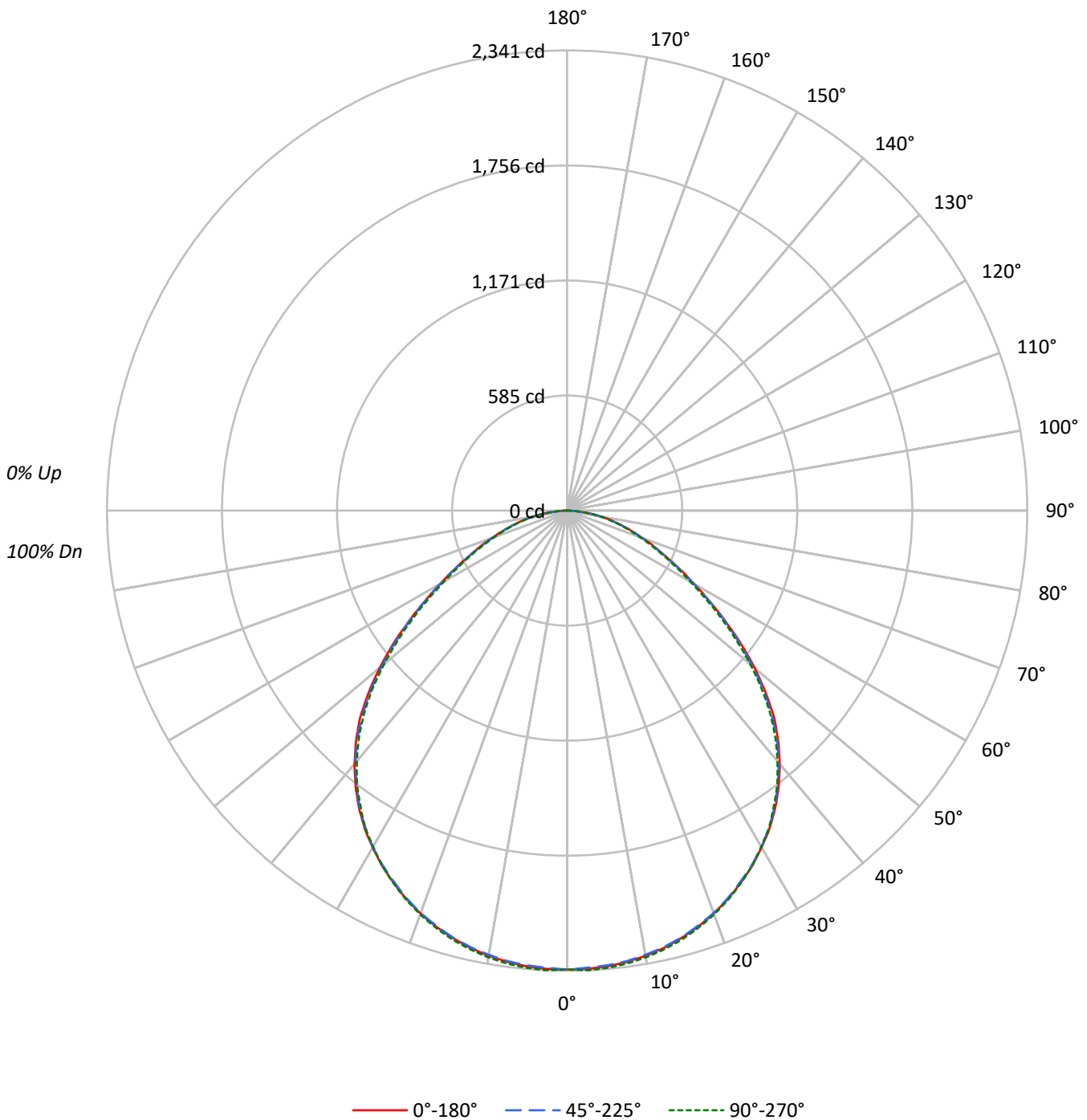
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5904.0 lumens  
Efficiency: N/A  
Efficacy: 94.2 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

TEST NUMBER: P737972  
CATALOG NUMBER: 14PT-70-PR1-L935

### 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					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	6999	6999	6999
5°	7006	6991	7028
10°	7000	6987	7025
15°	6986	6976	7010
20°	6957	6949	6976
25°	6912	6895	6920
30°	6851	6842	6833
35°	6756	6741	6713
40°	6586	6559	6514
45°	6312	6240	6195
50°	5807	5741	5671
55°	5139	5117	5016
60°	4465	4450	4330
65°	3936	3912	3834
70°	3572	3520	3448
75°	3305	3227	3169
80°	3020	2977	2875
85°	2387	2360	2274



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.4	3.8
10°-20°	635.6	10.8
20°-30°	962.9	16.3
30°-40°	1149.5	19.5
40°-50°	1130.5	19.1
50°-60°	873.7	14.8
60°-70°	550.9	9.3
70°-80°	298.0	5.0
80°-90°	81.4	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°	1820.0	30.8
0°-40°	2969.5	50.3
0°-60°	4973.6	84.2
0°-90°	5904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5904.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2334	2334	2334	2334	2334	
5°	2328	2329	2323	2333	2335	221
15°	2251	2252	2248	2255	2258	635
25°	2089	2091	2084	2091	2092	963
35°	1846	1847	1842	1839	1834	1153
45°	1489	1483	1472	1460	1461	1140
55°	983	992	979	963	960	882
65°	555	556	551	542	540	558
75°	285	282	279	280	274	303
85°	69	70	69	69	66	82
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2334.5	2334.5	2334.5	2334.5	2334.5
2.5°	2333.7	2334.5	2327.8	2338.7	2341.2
5°	2327.8	2328.7	2322.8	2332.8	2335.4
7.5°	2316.1	2317.8	2311.9	2322.0	2324.5
10°	2299.4	2301.1	2295.2	2305.2	2307.7
12.5°	2278.5	2279.3	2274.3	2283.5	2286.0
15°	2250.8	2251.7	2247.5	2255.0	2258.4
17.5°	2219.1	2219.9	2214.0	2223.2	2224.9
20°	2180.6	2181.4	2178.1	2185.6	2186.4
22.5°	2137.9	2139.6	2134.5	2141.2	2142.1
25°	2089.4	2091.0	2084.3	2091.0	2091.9
27.5°	2038.3	2039.2	2033.3	2038.3	2037.5
30°	1978.9	1983.9	1976.4	1974.7	1973.9
32.5°	1917.0	1917.8	1910.3	1908.6	1912.0
35°	1845.9	1846.7	1841.7	1839.2	1834.1
37.5°	1768.0	1768.0	1758.8	1757.2	1756.3
40°	1682.7	1681.9	1676.0	1670.1	1664.3
42.5°	1589.8	1591.5	1579.8	1569.7	1568.1
45°	1488.6	1482.7	1471.8	1460.1	1461.0
47.5°	1368.9	1370.6	1355.5	1346.3	1343.8
50°	1245.1	1245.1	1230.9	1220.8	1215.8
52.5°	1115.4	1116.2	1102.8	1089.4	1086.9
55°	983.2	991.5	979.0	963.1	959.7
57.5°	859.3	866.0	854.3	837.6	836.7
60°	744.7	745.5	742.2	726.3	722.1
62.5°	646.8	642.6	640.9	632.6	627.6
65°	554.8	555.6	551.4	542.2	540.5
67.5°	480.3	479.5	471.9	466.1	462.7
70°	407.5	405.0	401.6	396.6	393.3
72.5°	342.2	342.2	339.7	338.0	332.2
75°	285.3	282.0	278.6	280.3	273.6
77.5°	230.9	227.6	225.1	221.7	220.1
80°	174.9	171.5	172.4	167.3	166.5
82.5°	121.3	121.3	119.7	115.5	116.3
85°	69.4	70.3	68.6	69.4	66.1
87.5°	25.1	25.9	27.6	25.9	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)