

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: P737893

Luminaire Tested: **14PT-60-PB1-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737893  
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-60-PB1-L940  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

**Summary**

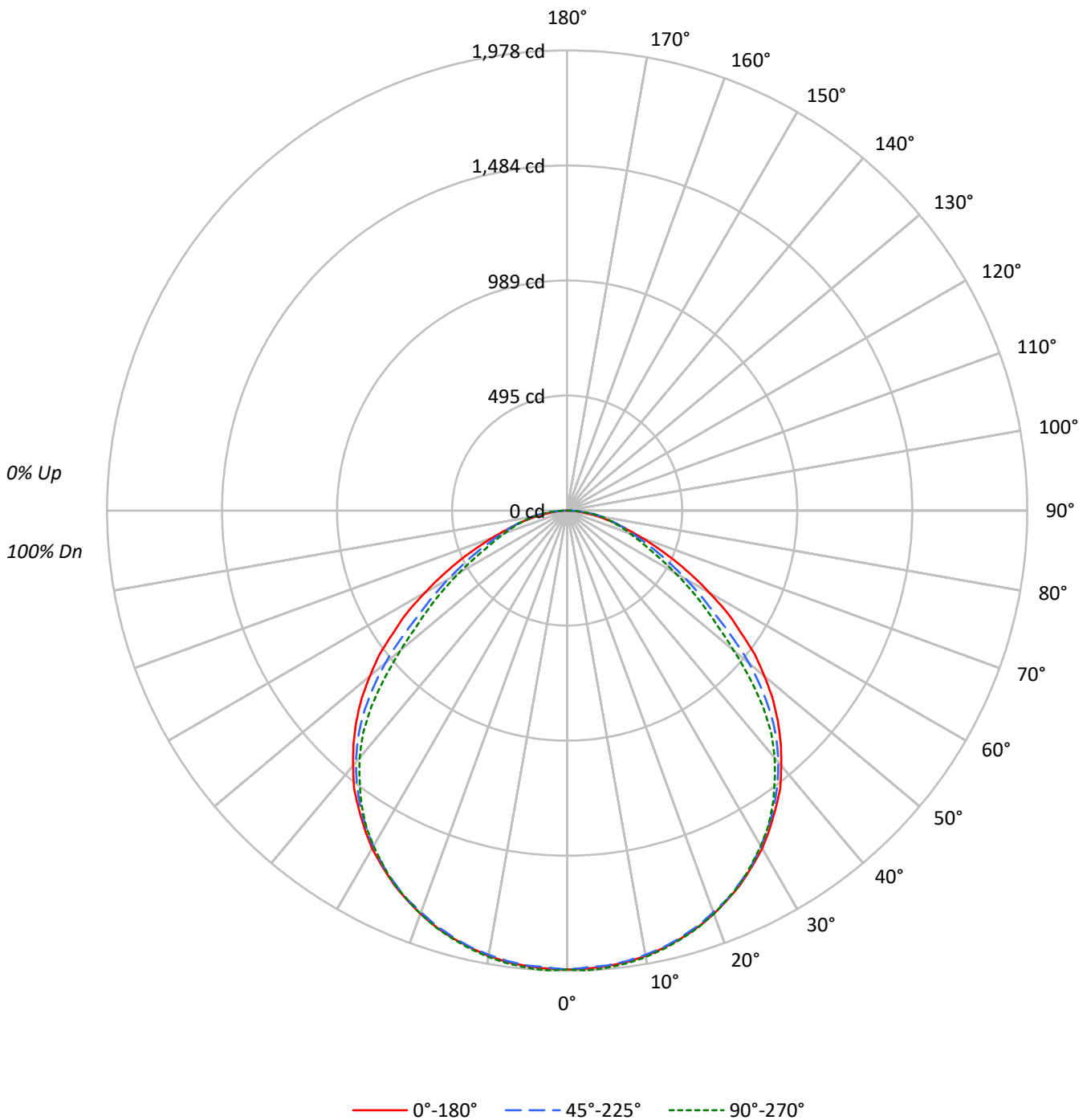
Lumens per Lamp: N/A  
Luminaire Lumens: 4919.0 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
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

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

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

	0°	45°	90°
0°	5914	5914	5914
5°	5915	5908	5937
10°	5917	5902	5932
15°	5904	5890	5912
20°	5884	5860	5884
25°	5852	5827	5844
30°	5805	5771	5763
35°	5719	5675	5639
40°	5603	5527	5432
45°	5432	5257	5041
50°	5161	4764	4357
55°	4756	4046	3754
60°	4234	3535	3215
65°	3632	3064	2737
70°	2999	2702	2510
75°	2530	2585	2445
80°	2136	2640	2514
85°	1668	2669	2336



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.0	3.8
10°-20°	536.7	10.9
20°-30°	813.0	16.5
30°-40°	968.8	19.7
40°-50°	947.4	19.3
50°-60°	716.5	14.6
60°-70°	440.2	8.9
70°-80°	234.5	4.8
80°-90°	74.8	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°	1536.8	31.2
0°-40°	2505.5	50.9
0°-60°	4169.4	84.8
0°-90°	4919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4919.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1973	1973	1973	1973	1973	
5°	1965	1968	1963	1970	1973	187
15°	1902	1905	1898	1905	1905	537
25°	1769	1766	1762	1764	1766	815
35°	1563	1560	1550	1543	1541	977
45°	1281	1274	1240	1199	1189	986
55°	910	864	774	730	718	815
65°	512	471	432	398	386	509
75°	218	221	223	216	211	234
85°	48	63	78	73	68	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1972.7	1972.7	1972.7	1972.7	1972.7
2.5°	1970.3	1972.7	1965.4	1975.1	1977.6
5°	1965.4	1967.9	1963.0	1970.3	1972.7
7.5°	1958.2	1958.2	1953.3	1960.6	1963.0
10°	1943.6	1943.6	1938.7	1946.0	1948.4
12.5°	1924.2	1924.2	1921.8	1926.6	1929.0
15°	1902.3	1904.8	1897.5	1904.8	1904.8
17.5°	1875.7	1873.2	1870.8	1875.7	1878.1
20°	1844.1	1844.1	1836.8	1841.7	1844.1
22.5°	1807.7	1807.7	1805.3	1807.7	1805.3
25°	1768.9	1766.5	1761.6	1764.0	1766.5
27.5°	1722.8	1722.8	1717.9	1717.9	1715.5
30°	1676.7	1674.3	1667.0	1662.1	1664.6
32.5°	1620.9	1618.4	1611.2	1606.3	1608.7
35°	1562.6	1560.2	1550.5	1543.2	1540.8
37.5°	1504.4	1497.1	1485.0	1475.3	1465.6
40°	1431.6	1424.3	1412.2	1390.4	1387.9
42.5°	1358.8	1351.5	1332.1	1305.4	1298.2
45°	1281.2	1273.9	1239.9	1198.7	1189.0
47.5°	1198.7	1186.5	1133.2	1082.2	1062.8
50°	1106.5	1084.6	1021.5	956.0	934.2
52.5°	1016.7	977.9	895.4	837.1	815.3
55°	909.9	863.8	774.0	730.4	718.2
57.5°	815.3	752.2	679.4	635.7	626.0
60°	706.1	647.9	589.6	550.8	536.2
62.5°	606.6	555.7	507.1	473.2	456.2
65°	512.0	470.7	431.9	397.9	385.8
67.5°	419.8	397.9	366.4	339.7	332.4
70°	342.1	330.0	308.2	296.0	286.3
72.5°	271.8	276.6	262.1	257.2	249.9
75°	218.4	220.8	223.2	216.0	211.1
77.5°	165.0	177.1	186.8	182.0	177.1
80°	123.7	135.9	152.9	145.6	145.6
82.5°	84.9	99.5	114.0	109.2	106.8
85°	48.5	63.1	77.6	72.8	67.9
87.5°	19.4	31.5	34.0	34.0	31.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)