

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: P738611

Luminaire Tested: **24PT-60-PR1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-60-PR1-L930  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

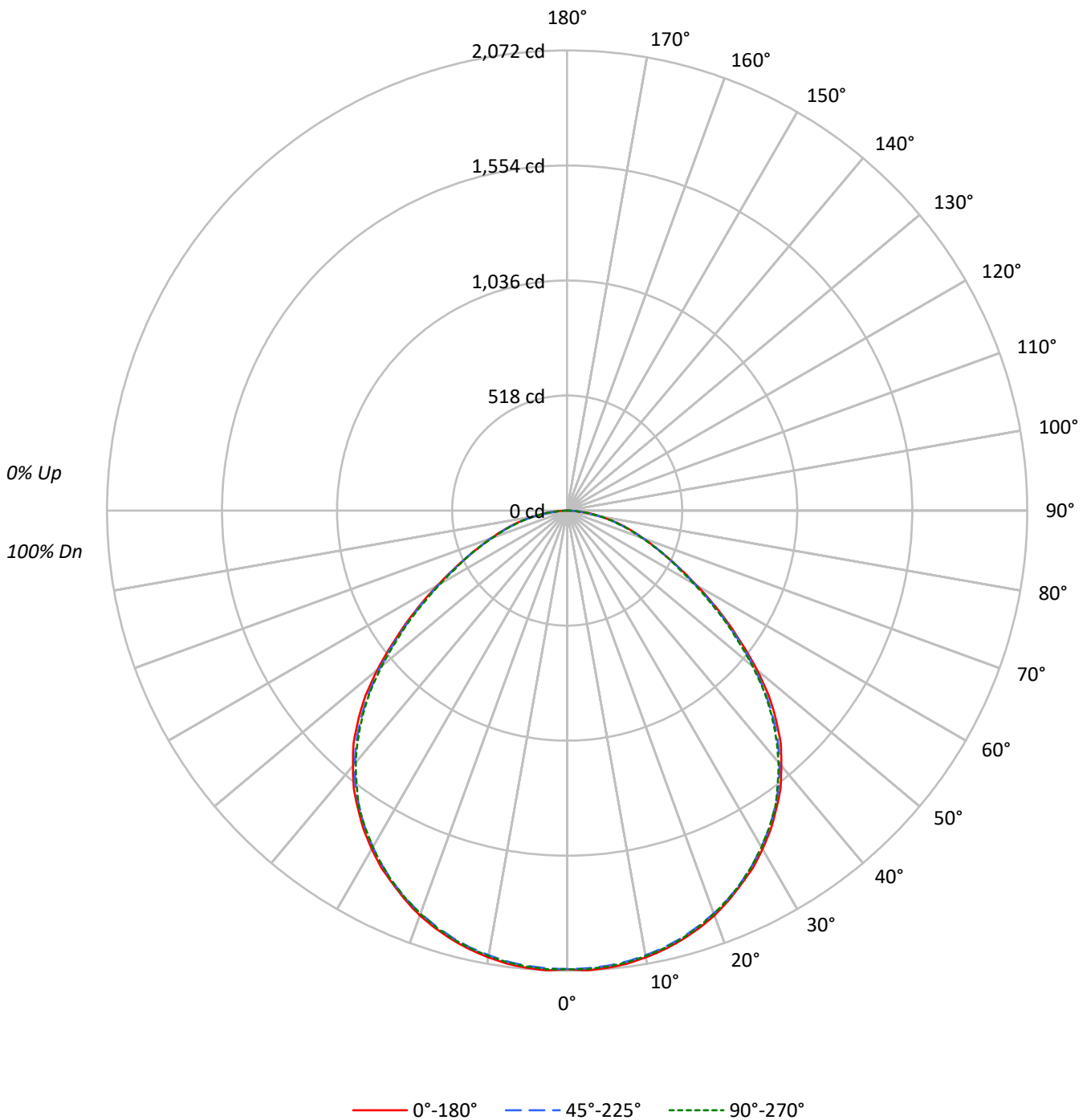
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5259.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.7  
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	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	2961	2961	2961
5°	2975	2962	2967
10°	2974	2960	2966
15°	2969	2957	2962
20°	2960	2945	2948
25°	2936	2927	2929
30°	2913	2897	2897
35°	2873	2856	2859
40°	2808	2784	2772
45°	2696	2653	2638
50°	2488	2452	2429
55°	2215	2183	2169
60°	1931	1909	1890
65°	1692	1694	1684
70°	1523	1518	1496
75°	1418	1377	1379
80°	1266	1243	1243
85°	977	1005	967



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.8	3.7
10°-20°	562.5	10.7
20°-30°	852.8	16.2
30°-40°	1019.9	19.4
40°-50°	1007.1	19.1
50°-60°	783.8	14.9
60°-70°	497.6	9.5
70°-80°	267.0	5.1
80°-90°	72.4	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°	1611.1	30.6
0°-40°	2631.1	50.0
0°-60°	4422.0	84.1
0°-90°	5259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5259.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2065	2065	2065	2065	2065	
5°	2067	2060	2058	2057	2062	197
15°	2000	1994	1992	1990	1995	565
25°	1856	1852	1850	1846	1851	856
35°	1641	1638	1632	1626	1633	1026
45°	1329	1320	1308	1302	1301	1020
55°	886	882	873	868	868	793
65°	499	500	499	493	496	500
75°	256	252	248	248	249	271
85°	59	60	61	61	59	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2065.0	2065.0	2065.0	2065.0	2065.0
2.5°	2071.9	2065.0	2062.7	2061.5	2066.7
5°	2066.7	2060.4	2058.1	2056.9	2061.5
7.5°	2058.1	2050.6	2048.3	2047.1	2052.3
10°	2042.5	2035.6	2032.7	2032.7	2037.3
12.5°	2024.1	2018.3	2015.4	2013.1	2018.3
15°	2000.4	1993.5	1991.8	1989.5	1995.2
17.5°	1972.2	1965.3	1963.0	1961.8	1965.8
20°	1939.9	1931.2	1930.1	1929.5	1931.8
22.5°	1900.1	1895.5	1893.2	1892.0	1893.8
25°	1855.7	1852.3	1850.0	1846.5	1851.1
27.5°	1812.5	1807.9	1802.1	1799.2	1802.1
30°	1759.4	1753.7	1749.6	1748.5	1749.6
32.5°	1704.7	1698.9	1693.7	1693.2	1692.6
35°	1641.3	1637.8	1631.5	1626.3	1633.2
37.5°	1578.4	1570.4	1564.6	1558.3	1556.5
40°	1500.0	1497.1	1487.3	1481.6	1481.0
42.5°	1423.9	1410.7	1403.8	1399.7	1393.4
45°	1329.4	1320.2	1308.1	1301.7	1301.1
47.5°	1230.8	1219.3	1207.7	1199.1	1201.4
50°	1115.5	1110.3	1099.4	1091.9	1089.0
52.5°	996.8	995.6	984.1	979.5	974.3
55°	886.1	881.5	873.4	867.6	867.6
57.5°	777.1	773.1	769.0	758.1	758.1
60°	673.3	672.8	665.8	659.5	658.9
62.5°	580.5	584.0	577.6	571.3	567.8
65°	498.7	500.4	499.2	492.9	496.4
67.5°	426.6	427.2	424.9	421.4	423.7
70°	363.2	366.1	362.0	359.7	356.8
72.5°	307.8	306.7	303.2	305.0	300.9
75°	256.0	251.9	248.5	247.9	249.0
77.5°	204.1	202.9	200.0	200.0	198.3
80°	153.3	152.2	150.5	151.0	150.5
82.5°	109.0	106.1	103.8	104.9	105.5
85°	59.4	60.5	61.1	61.1	58.8
87.5°	24.2	23.6	24.2	25.4	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)