

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: P738597

Luminaire Tested: **24PT-60-PC3-L940**

Issue Date: 2/8/2024



**Test Information**

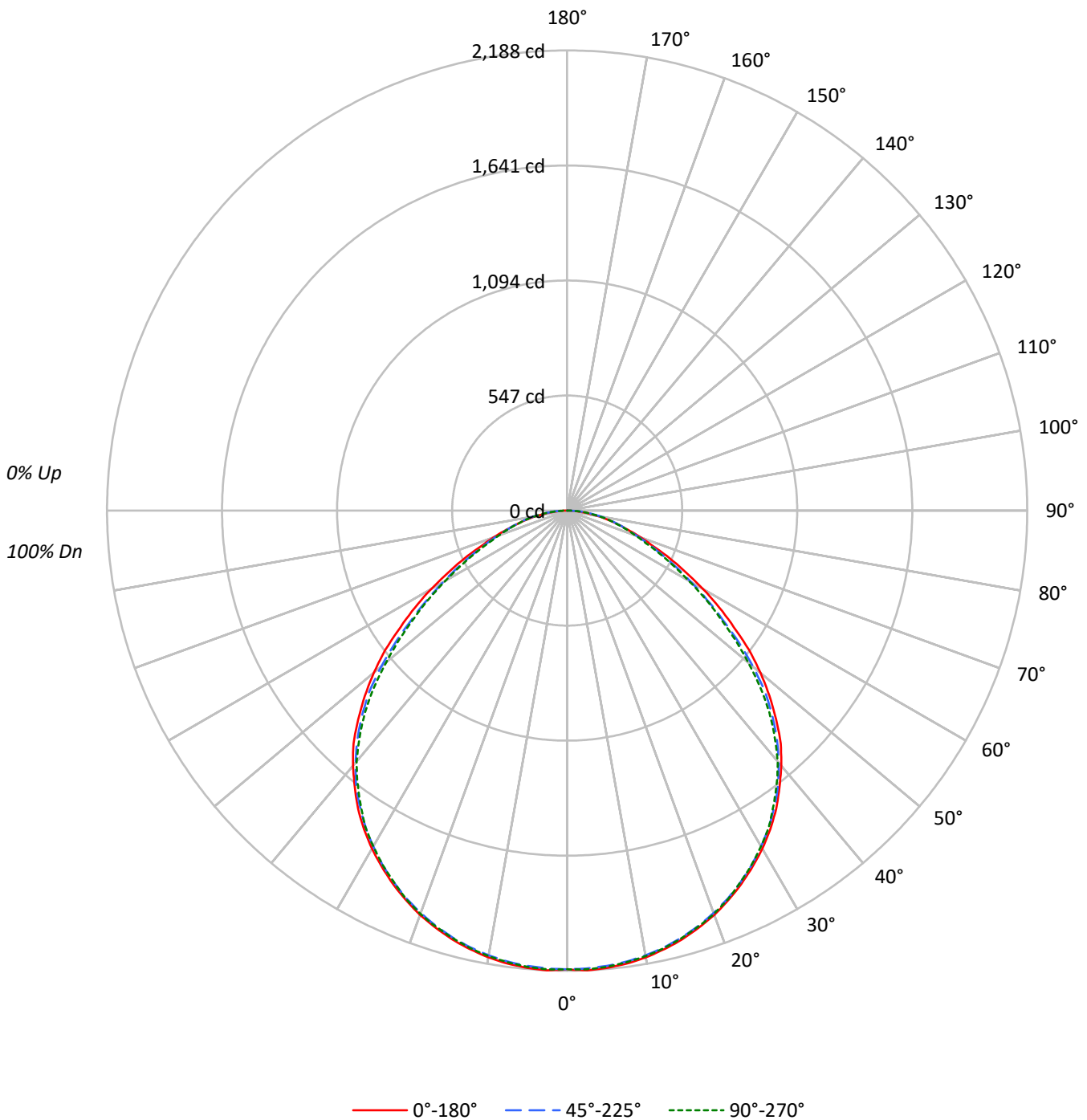
Test Method: LM-79-08  
Report Number: P738597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-60-PC3-L940  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5502.0 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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 (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	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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°	3128	3128	3128
5°	3141	3128	3134
10°	3141	3127	3132
15°	3134	3120	3123
20°	3122	3107	3113
25°	3100	3085	3084
30°	3074	3054	3053
35°	3033	3008	2994
40°	2965	2929	2916
45°	2850	2797	2757
50°	2676	2573	2505
55°	2419	2255	2213
60°	2140	1951	1913
65°	1829	1691	1648
70°	1550	1484	1440
75°	1359	1382	1335
80°	1218	1343	1268
85°	1028	1229	1168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.8	3.8
10°-20°	593.6	10.8
20°-30°	899.3	16.3
30°-40°	1074.1	19.5
40°-50°	1059.6	19.3
50°-60°	820.3	14.9
60°-70°	504.2	9.2
70°-80°	264.2	4.8
80°-90°	80.1	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°	1699.7	30.9
0°-40°	2773.8	50.4
0°-60°	4653.6	84.6
0°-90°	5502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2181	2181	2181	2181	2181	
5°	2182	2176	2173	2172	2178	208
15°	2111	2105	2102	2100	2104	596
25°	1960	1954	1950	1949	1949	903
35°	1733	1725	1719	1713	1711	1082
45°	1405	1395	1379	1365	1360	1081
55°	968	942	902	889	885	868
65°	539	514	498	484	486	538
75°	245	248	250	245	241	264
85°	62	70	75	73	71	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2181.2	2181.2	2181.2	2181.2	2181.2
2.5°	2188.5	2181.8	2178.8	2178.2	2183.0
5°	2182.4	2175.8	2173.3	2172.1	2177.6
7.5°	2172.7	2165.4	2163.0	2161.2	2166.0
10°	2157.5	2150.3	2147.8	2146.6	2150.9
12.5°	2135.7	2129.0	2127.2	2125.4	2130.8
15°	2111.4	2104.7	2101.7	2099.9	2104.1
17.5°	2079.8	2074.4	2070.7	2070.7	2074.4
20°	2045.8	2039.2	2036.1	2034.3	2040.4
22.5°	2004.0	1999.7	1996.1	1993.0	1999.7
25°	1959.6	1953.6	1949.9	1948.7	1949.3
27.5°	1909.3	1905.0	1900.1	1898.3	1899.5
30°	1856.4	1851.0	1844.3	1840.7	1843.7
32.5°	1797.5	1789.7	1784.2	1780.6	1784.8
35°	1732.6	1724.7	1718.6	1713.2	1710.7
37.5°	1658.5	1656.1	1647.6	1637.9	1637.3
40°	1583.9	1577.2	1565.0	1560.8	1557.8
42.5°	1503.7	1489.8	1477.0	1464.9	1460.6
45°	1405.4	1395.1	1379.3	1364.7	1359.8
47.5°	1304.6	1291.2	1276.1	1250.6	1247.5
50°	1199.6	1180.2	1153.4	1132.2	1123.1
52.5°	1090.3	1064.2	1027.2	1009.0	1004.1
55°	967.7	941.6	902.1	888.8	885.1
57.5°	858.4	820.2	788.0	772.8	777.7
60°	746.1	709.1	680.5	666.0	667.2
62.5°	636.2	607.1	585.8	571.9	573.7
65°	539.1	514.2	498.4	483.8	485.7
67.5°	443.8	432.2	420.7	412.2	407.3
70°	369.7	364.9	353.9	346.0	343.6
72.5°	302.3	305.4	296.3	293.8	293.2
75°	245.3	247.7	249.5	244.7	241.0
77.5°	196.1	199.7	207.0	200.3	199.1
80°	147.5	154.8	162.7	158.4	153.6
82.5°	103.2	112.3	119.6	114.1	111.7
85°	62.5	69.8	74.7	72.8	71.0
87.5°	27.9	30.4	32.8	33.4	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)