

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: P738605

Luminaire Tested: **24PT-60-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PL1-L940
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

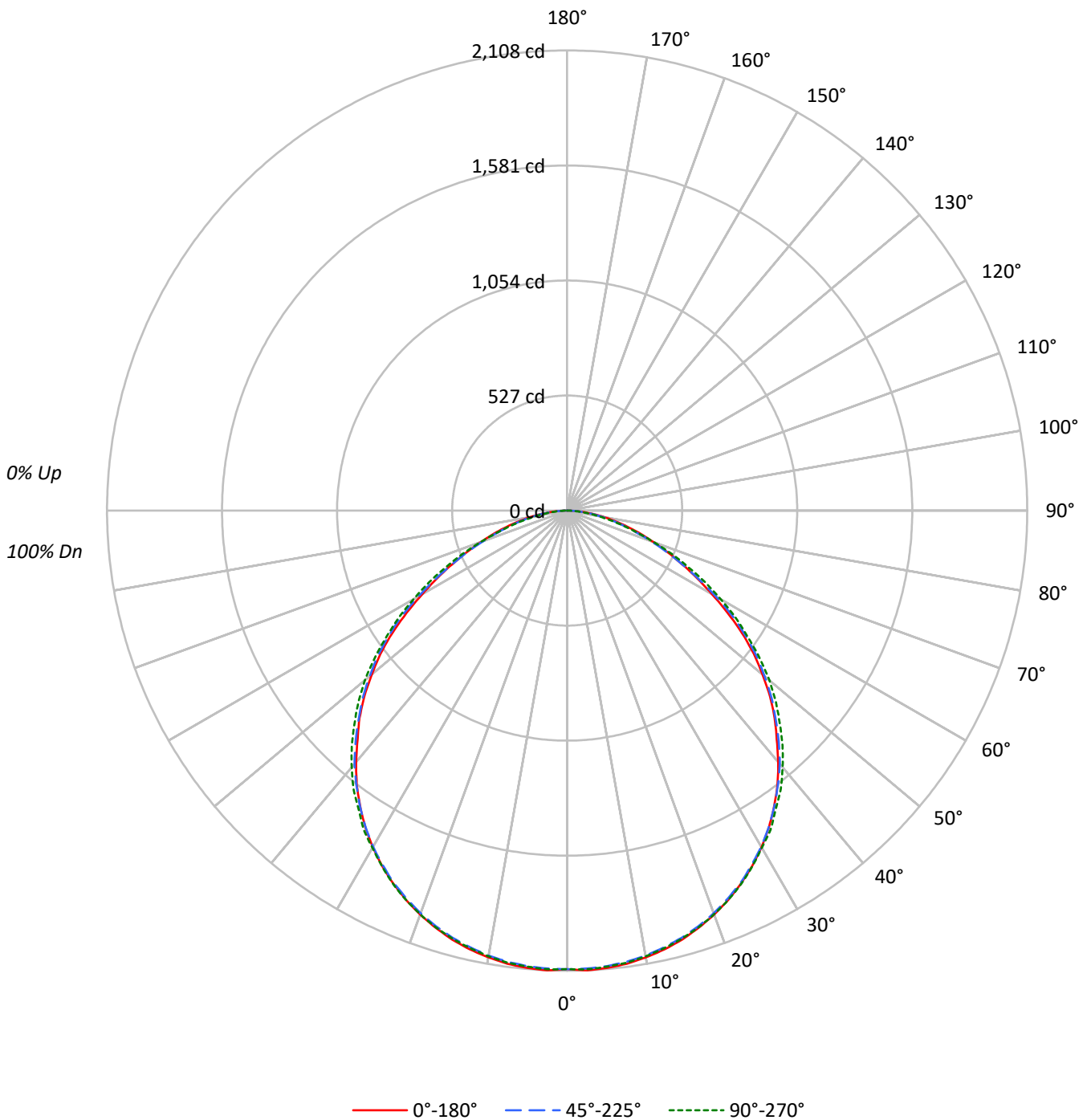
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5561.0 lumens
Efficiency: N/A
Efficacy: 109.7 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_{in}): 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: P738605
CATALOG NUMBER: 24PT-60-PL1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P738605

CATALOG NUMBER: 24PT-60-PL1-L940

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3012	3012	3012
5°	3027	3014	3019
10°	3026	3013	3018
15°	3020	3007	3014
20°	3005	2996	3003
25°	2983	2976	2986
30°	2948	2943	2954
35°	2894	2895	2917
40°	2815	2836	2874
45°	2727	2739	2793
50°	2605	2635	2698
55°	2446	2491	2529
60°	2196	2249	2333
65°	1965	1969	2075
70°	1752	1704	1765
75°	1582	1489	1462
80°	1406	1311	1157
85°	1153	1092	905



TEST NUMBER: P738605

CATALOG NUMBER: 24PT-60-PL1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.3	3.6
10°-20°	572.2	10.3
20°-30°	866.9	15.6
30°-40°	1036.0	18.6
40°-50°	1045.1	18.8
50°-60°	886.7	15.9
60°-70°	586.7	10.5
70°-80°	291.1	5.2
80°-90°	77.0	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°	1638.4	29.5
0°-40°	2674.4	48.1
0°-60°	4606.2	82.8
0°-90°	5561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5561.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2101	2101	2101	2101	2101	
5°	2103	2096	2094	2093	2097	200
15°	2034	2028	2026	2026	2030	574
25°	1885	1881	1881	1880	1887	868
35°	1653	1651	1654	1663	1667	1033
45°	1345	1343	1351	1369	1378	1035
55°	978	981	996	1006	1012	870
65°	579	578	580	598	612	578
75°	286	278	269	260	264	306
85°	70	70	66	61	55	83
90°	0	0	0	0	0	



TEST NUMBER: P738605

CATALOG NUMBER: 24PT-60-PL1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2100.9	2100.9	2100.9	2100.9	2100.9
2.5°	2108.2	2101.5	2099.7	2098.5	2103.3
5°	2103.3	2096.1	2094.3	2093.1	2097.3
7.5°	2093.7	2085.8	2084.6	2083.4	2088.8
10°	2078.0	2070.7	2069.5	2068.3	2073.1
12.5°	2059.3	2052.0	2049.6	2050.2	2053.2
15°	2034.5	2027.9	2026.0	2026.0	2030.3
17.5°	2003.7	1997.7	1996.5	1995.8	2001.3
20°	1969.3	1963.2	1963.2	1965.0	1968.1
22.5°	1930.0	1925.8	1923.4	1924.6	1930.6
25°	1885.3	1881.1	1881.1	1880.5	1887.1
27.5°	1835.8	1830.4	1830.4	1835.2	1837.6
30°	1780.3	1775.4	1777.8	1781.5	1783.9
32.5°	1720.5	1717.5	1719.3	1724.7	1734.4
35°	1653.4	1651.0	1654.0	1663.1	1666.7
37.5°	1583.4	1581.6	1585.8	1597.9	1608.2
40°	1503.7	1503.7	1515.2	1526.0	1535.7
42.5°	1420.9	1426.4	1434.8	1451.7	1460.2
45°	1344.9	1343.0	1350.9	1369.0	1377.5
47.5°	1260.3	1258.5	1270.0	1282.7	1296.5
50°	1167.9	1167.3	1181.2	1192.1	1209.6
52.5°	1077.9	1083.4	1092.4	1102.1	1112.4
55°	978.3	980.7	996.4	1005.5	1011.5
57.5°	870.8	878.7	898.0	911.3	916.7
60°	765.7	770.6	784.4	808.0	813.4
62.5°	670.3	672.1	680.6	707.2	714.4
65°	579.1	577.9	580.3	598.5	611.7
67.5°	496.4	491.6	491.6	501.2	517.5
70°	417.9	410.6	406.4	409.4	420.9
72.5°	352.1	342.4	331.5	329.7	337.0
75°	285.6	277.8	268.7	260.3	263.9
77.5°	227.7	221.0	212.6	202.9	198.1
80°	170.3	167.9	158.8	149.8	140.1
82.5°	119.0	117.2	111.1	103.9	97.8
85°	70.1	70.1	66.4	61.0	55.0
87.5°	31.4	30.2	31.4	26.6	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)