

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: P738241

Luminaire Tested: **22PT-50-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PL1-L840
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

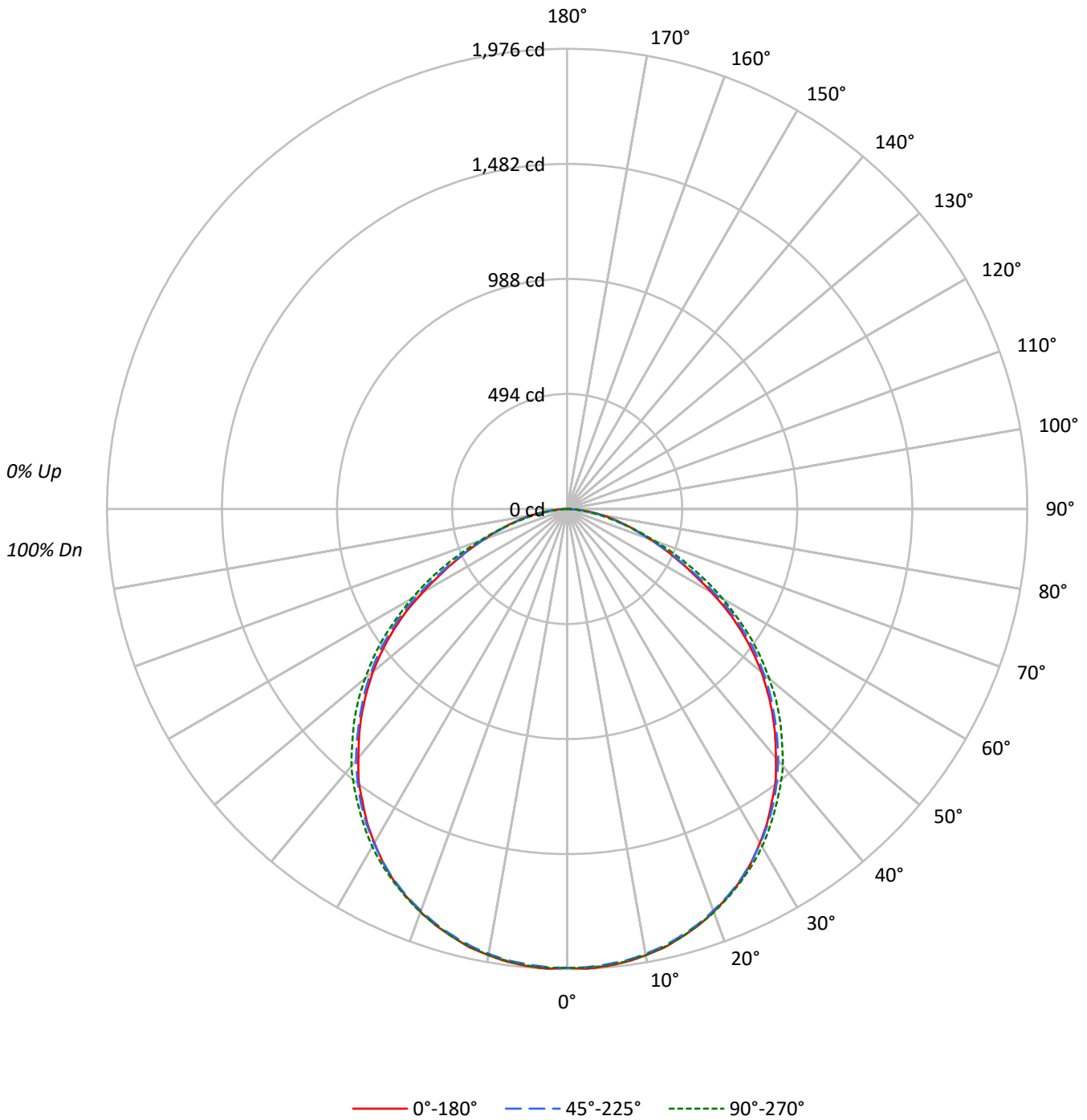
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5191.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 39.3
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

TEST NUMBER: P738241
CATALOG NUMBER: 22PT-50-PL1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P738241

CATALOG NUMBER: 22PT-50-PL1-L840

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	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	71	65	74	69	64	72	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	50	75	64	55	49	62	54	49	60	53	48	58	52	48					46				
6	71	58	50	43	70	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	31	41	35	30					29				
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28					26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5773	5773	5773
5°	5795	5773	5788
10°	5790	5771	5785
15°	5770	5753	5773
20°	5740	5722	5745
25°	5695	5684	5708
30°	5600	5612	5665
35°	5482	5521	5586
40°	5333	5393	5513
45°	5169	5214	5362
50°	4965	5025	5161
55°	4662	4755	4903
60°	4192	4333	4518
65°	3672	3747	4028
70°	3224	3195	3401
75°	2899	2777	2787
80°	2602	2462	2195
85°	2061	2034	1671



TEST NUMBER: P738241

CATALOG NUMBER: 22PT-50-PL1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	3.6
10°-20°	535.8	10.3
20°-30°	810.4	15.6
30°-40°	966.3	18.6
40°-50°	975.6	18.8
50°-60°	832.3	16.0
60°-70°	546.9	10.5
70°-80°	267.8	5.2
80°-90°	69.0	1.3
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°	1533.1	29.5
0°-40°	2499.4	48.1
0°-60°	4307.3	83.0
0°-90°	5191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1970	1970	1970	1970	1970	
5°	1970	1966	1963	1963	1968	187
15°	1902	1899	1896	1897	1903	537
25°	1761	1757	1758	1760	1766	810
35°	1533	1537	1543	1554	1562	959
45°	1248	1251	1258	1283	1294	961
55°	913	918	931	952	960	812
65°	530	530	540	565	581	530
75°	256	254	245	244	246	274
85°	61	61	60	56	50	74
90°	0	0	0	0	0	



TEST NUMBER: P738241

CATALOG NUMBER: 22PT-50-PL1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1970.2	1970.2	1970.2	1970.2	1970.2
2.5°	1976.0	1971.9	1969.4	1967.7	1971.9
5°	1970.2	1966.1	1962.8	1962.8	1967.7
7.5°	1961.1	1957.0	1954.5	1953.7	1958.6
10°	1946.2	1941.2	1939.6	1938.7	1944.5
12.5°	1928.8	1921.3	1921.3	1920.5	1926.3
15°	1902.3	1898.9	1896.5	1897.3	1903.1
17.5°	1874.9	1871.6	1869.9	1869.9	1873.2
20°	1840.9	1836.8	1835.1	1836.8	1842.6
22.5°	1802.0	1799.5	1799.5	1801.1	1805.3
25°	1761.4	1757.2	1758.0	1760.5	1765.5
27.5°	1711.6	1710.8	1710.8	1716.6	1722.4
30°	1655.3	1655.3	1658.6	1666.9	1674.3
32.5°	1598.1	1597.2	1603.9	1611.3	1619.6
35°	1532.6	1536.7	1543.4	1554.1	1561.6
37.5°	1471.2	1470.4	1478.7	1497.8	1502.7
40°	1394.2	1400.0	1409.9	1429.0	1441.4
42.5°	1322.1	1326.2	1335.3	1357.7	1366.0
45°	1247.5	1250.8	1258.2	1283.1	1293.9
47.5°	1168.7	1172.9	1183.6	1204.4	1216.8
50°	1089.1	1094.9	1102.4	1122.3	1132.2
52.5°	1002.1	1009.6	1022.8	1041.1	1048.5
55°	912.6	917.6	930.8	952.4	959.8
57.5°	818.9	823.1	842.1	857.9	863.7
60°	715.3	720.3	739.4	764.2	770.9
62.5°	617.5	621.7	638.2	668.1	678.0
65°	529.6	529.6	540.4	565.3	581.0
67.5°	451.7	450.1	451.7	470.8	487.4
70°	376.3	377.1	373.0	384.6	397.0
72.5°	314.1	314.1	305.9	307.5	317.5
75°	256.1	253.6	245.3	243.7	246.2
77.5°	204.7	200.6	194.0	189.0	183.2
80°	154.2	150.9	145.9	138.4	130.1
82.5°	107.8	104.4	101.1	97.0	88.7
85°	61.3	61.3	60.5	55.5	49.7
87.5°	24.9	24.0	23.2	22.4	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)