

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: P737866

Luminaire Tested: **14PT-50-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PP3-L850
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

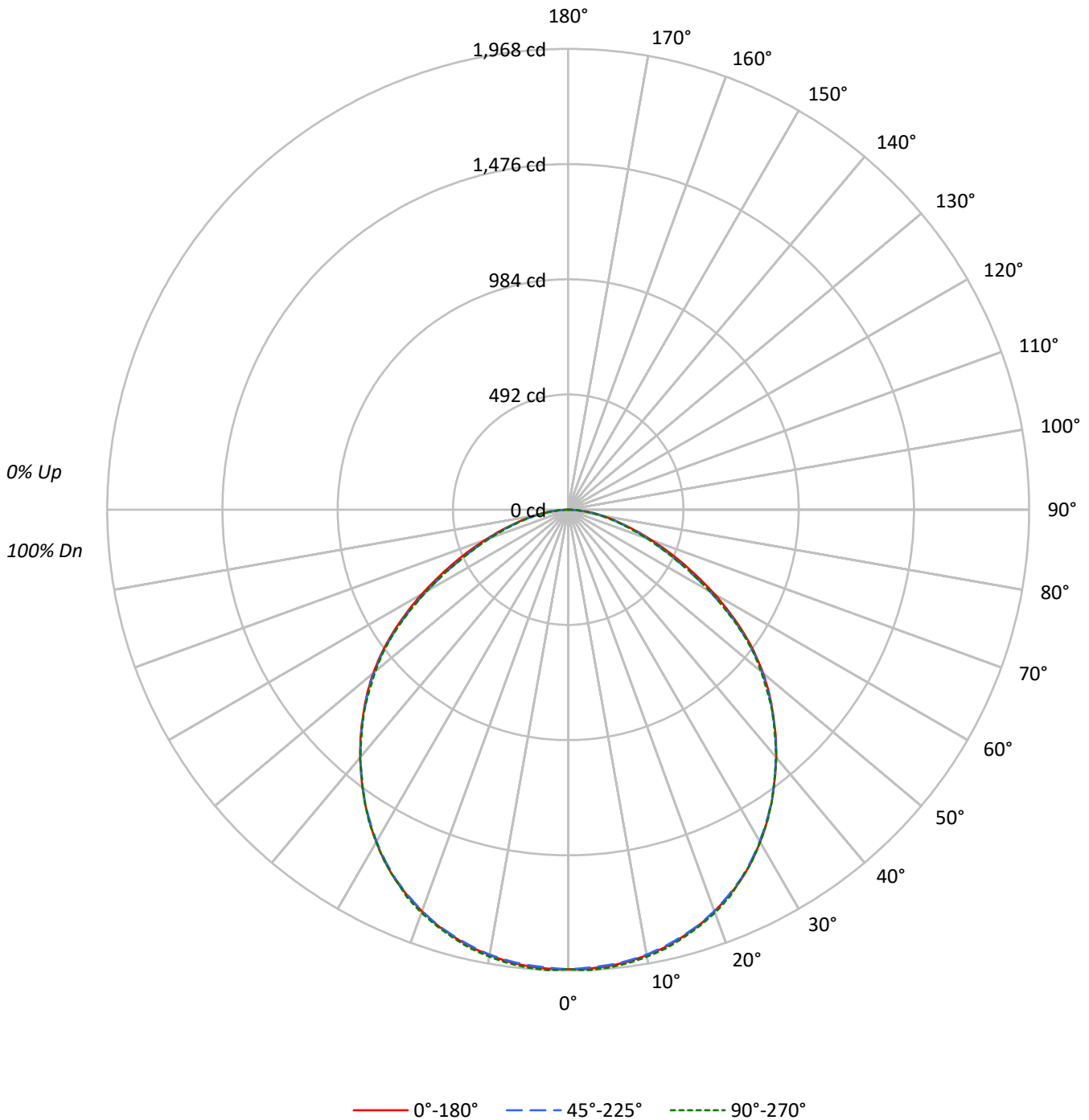
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5071.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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

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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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5884	5884	5884
5°	5889	5876	5909
10°	5882	5873	5901
15°	5862	5850	5877
20°	5823	5818	5843
25°	5771	5762	5769
30°	5675	5662	5675
35°	5551	5543	5548
40°	5409	5392	5406
45°	5246	5231	5238
50°	5070	5047	5011
55°	4774	4718	4703
60°	4331	4186	4194
65°	3805	3613	3608
70°	3291	3141	3103
75°	2847	2740	2682
80°	2521	2484	2374
85°	2085	2157	2033



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	3.7
10°-20°	533.2	10.5
20°-30°	802.8	15.8
30°-40°	947.5	18.7
40°-50°	952.9	18.8
50°-60°	804.4	15.9
60°-70°	516.6	10.2
70°-80°	257.0	5.1
80°-90°	70.4	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°	1522.1	30.0
0°-40°	2469.6	48.7
0°-60°	4227.0	83.4
0°-90°	5071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5071.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1963	1963	1963	1963	1963	
5°	1957	1958	1953	1962	1963	186
15°	1888	1889	1885	1894	1894	533
25°	1745	1745	1742	1745	1744	803
35°	1517	1517	1514	1516	1516	948
45°	1237	1242	1234	1235	1235	955
55°	913	912	903	899	900	812
65°	536	529	509	504	509	535
75°	246	244	236	234	232	266
85°	61	63	63	59	59	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1962.6	1962.6	1962.6	1962.6	1962.6
2.5°	1961.9	1962.6	1957.6	1966.9	1968.3
5°	1956.9	1957.6	1952.6	1961.9	1963.3
7.5°	1946.9	1947.6	1943.3	1951.9	1953.3
10°	1932.0	1934.1	1929.1	1936.9	1938.4
12.5°	1913.4	1914.1	1909.2	1918.4	1919.8
15°	1888.5	1889.2	1884.9	1893.5	1893.5
17.5°	1860.0	1860.7	1857.9	1865.0	1864.3
20°	1825.1	1827.2	1823.7	1828.7	1831.5
22.5°	1787.3	1788.1	1783.8	1790.2	1793.0
25°	1744.6	1745.3	1741.7	1745.3	1743.9
27.5°	1694.7	1696.2	1691.2	1694.7	1695.4
30°	1639.2	1642.7	1635.6	1638.5	1639.2
32.5°	1579.3	1581.5	1576.5	1577.2	1580.8
35°	1516.6	1517.4	1514.5	1515.9	1515.9
37.5°	1449.0	1451.8	1447.5	1449.7	1446.8
40°	1382.0	1379.2	1377.7	1379.2	1381.3
42.5°	1311.5	1312.2	1310.1	1308.6	1305.1
45°	1237.4	1241.7	1233.8	1235.3	1235.3
47.5°	1164.7	1165.4	1161.2	1156.9	1154.0
50°	1087.1	1087.1	1082.1	1078.5	1074.3
52.5°	1002.3	1000.9	995.2	991.6	993.8
55°	913.3	912.5	902.6	899.0	899.7
57.5°	815.7	817.1	802.1	798.6	798.6
60°	722.3	715.2	698.1	693.1	699.5
62.5°	624.7	616.2	597.7	597.7	602.7
65°	536.4	528.6	509.3	504.4	508.6
67.5°	453.8	446.7	428.8	426.0	427.4
70°	375.4	369.0	358.3	351.9	354.0
72.5°	307.7	302.0	294.9	289.9	287.1
75°	245.8	244.3	236.5	234.4	231.5
77.5°	194.5	193.8	187.4	184.5	181.7
80°	146.0	145.3	143.9	139.6	137.5
82.5°	104.0	104.0	103.3	99.7	97.6
85°	60.6	62.7	62.7	59.1	59.1
87.5°	24.2	25.6	24.2	24.2	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)