

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: P737894

Luminaire Tested: **14PT-60-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PB1-L950
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

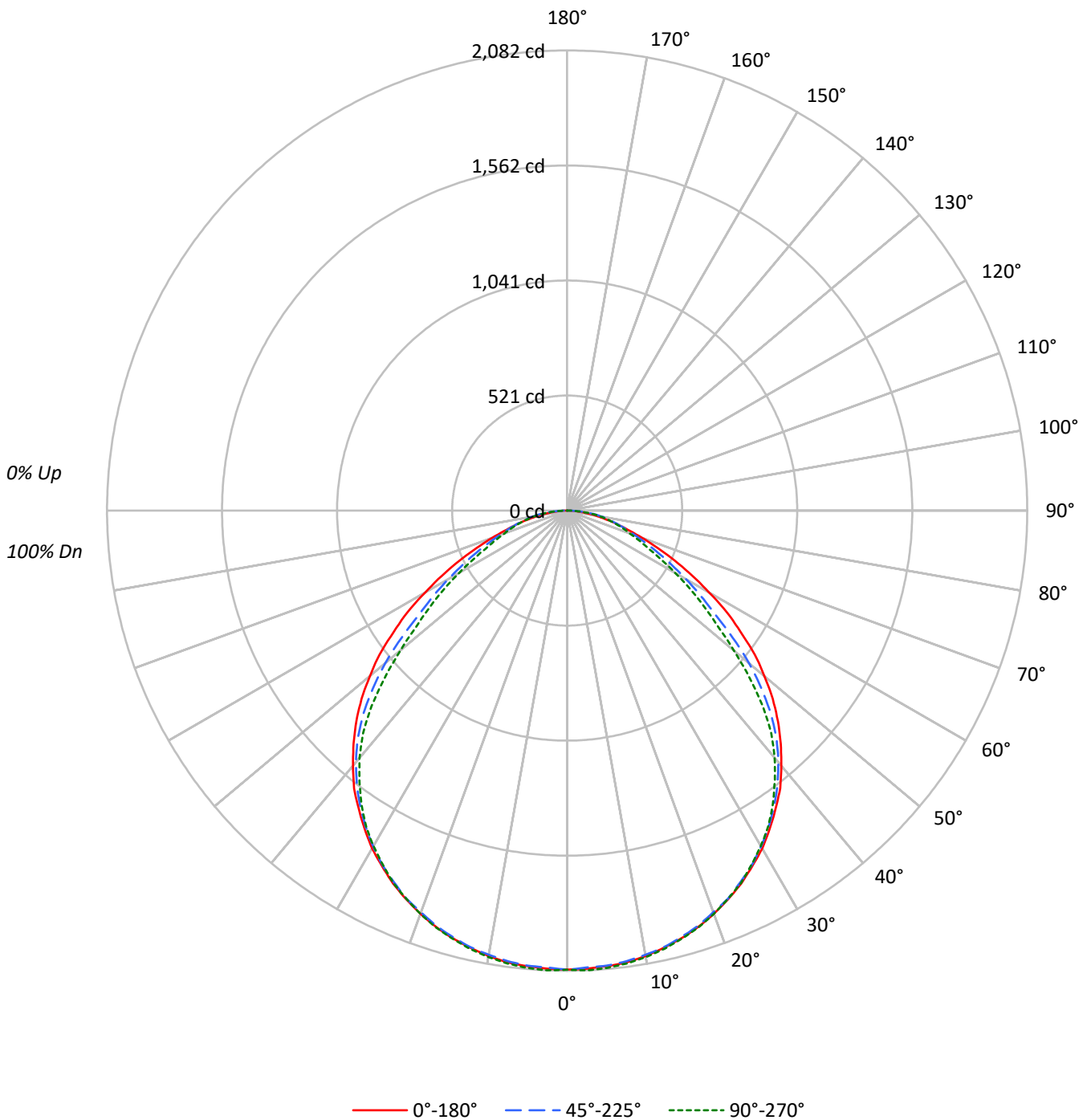
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5179.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6227	6227	6227
5°	6228	6220	6251
10°	6230	6214	6245
15°	6217	6201	6225
20°	6195	6170	6195
25°	6161	6135	6152
30°	6111	6076	6067
35°	6021	5975	5937
40°	5899	5819	5719
45°	5719	5535	5308
50°	5433	5016	4588
55°	5007	4260	3953
60°	4458	3722	3385
65°	3824	3226	2882
70°	3157	2844	2643
75°	2663	2722	2575
80°	2250	2778	2647
85°	1758	2814	2460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	3.8
10°-20°	565.1	10.9
20°-30°	856.0	16.5
30°-40°	1020.0	19.7
40°-50°	997.4	19.3
50°-60°	754.4	14.6
60°-70°	463.5	8.9
70°-80°	246.9	4.8
80°-90°	78.8	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°	1618.0	31.2
0°-40°	2638.0	50.9
0°-60°	4389.8	84.8
0°-90°	5179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5179.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2077	2077	2077	2077	2077	
5°	2069	2072	2067	2074	2077	197
15°	2003	2006	1998	2006	2006	565
25°	1862	1860	1855	1857	1860	858
35°	1645	1643	1632	1625	1622	1029
45°	1349	1341	1306	1262	1252	1038
55°	958	910	815	769	756	858
65°	539	496	455	419	406	536
75°	230	232	235	227	222	246
85°	51	66	82	77	72	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2077.0	2077.0	2077.0	2077.0	2077.0
2.5°	2074.4	2077.0	2069.3	2079.5	2082.1
5°	2069.3	2071.9	2066.8	2074.4	2077.0
7.5°	2061.7	2061.7	2056.5	2064.2	2066.8
10°	2046.3	2046.3	2041.2	2048.9	2051.4
12.5°	2025.9	2025.9	2023.3	2028.4	2031.0
15°	2002.9	2005.5	1997.8	2005.5	2005.5
17.5°	1974.8	1972.2	1969.7	1974.8	1977.3
20°	1941.6	1941.6	1933.9	1939.0	1941.6
22.5°	1903.3	1903.3	1900.7	1903.3	1900.7
25°	1862.4	1859.8	1854.7	1857.3	1859.8
27.5°	1813.8	1813.8	1808.7	1808.7	1806.2
30°	1765.3	1762.8	1755.1	1750.0	1752.5
32.5°	1706.5	1704.0	1696.3	1691.2	1693.8
35°	1645.2	1642.7	1632.5	1624.8	1622.2
37.5°	1583.9	1576.3	1563.5	1553.3	1543.0
40°	1507.3	1499.6	1486.8	1463.9	1461.3
42.5°	1430.6	1423.0	1402.5	1374.4	1366.8
45°	1348.9	1341.2	1305.5	1262.0	1251.8
47.5°	1262.0	1249.3	1193.1	1139.4	1119.0
50°	1164.9	1142.0	1075.5	1006.6	983.6
52.5°	1070.4	1029.5	942.7	881.4	858.4
55°	958.0	909.5	815.0	769.0	756.2
57.5°	858.4	792.0	715.3	669.3	659.1
60°	743.4	682.1	620.8	579.9	564.6
62.5°	638.7	585.0	533.9	498.2	480.3
65°	539.0	495.6	454.7	419.0	406.2
67.5°	442.0	419.0	385.8	357.7	350.0
70°	360.2	347.4	324.4	311.7	301.5
72.5°	286.1	291.2	275.9	270.8	263.1
75°	229.9	232.5	235.0	227.4	222.3
77.5°	173.7	186.5	196.7	191.6	186.5
80°	130.3	143.1	160.9	153.3	153.3
82.5°	89.4	104.7	120.1	115.0	112.4
85°	51.1	66.4	81.8	76.6	71.5
87.5°	20.4	33.2	35.8	35.8	33.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)