

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: P737933

Luminaire Tested: **14PT-60-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PW1-L940
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

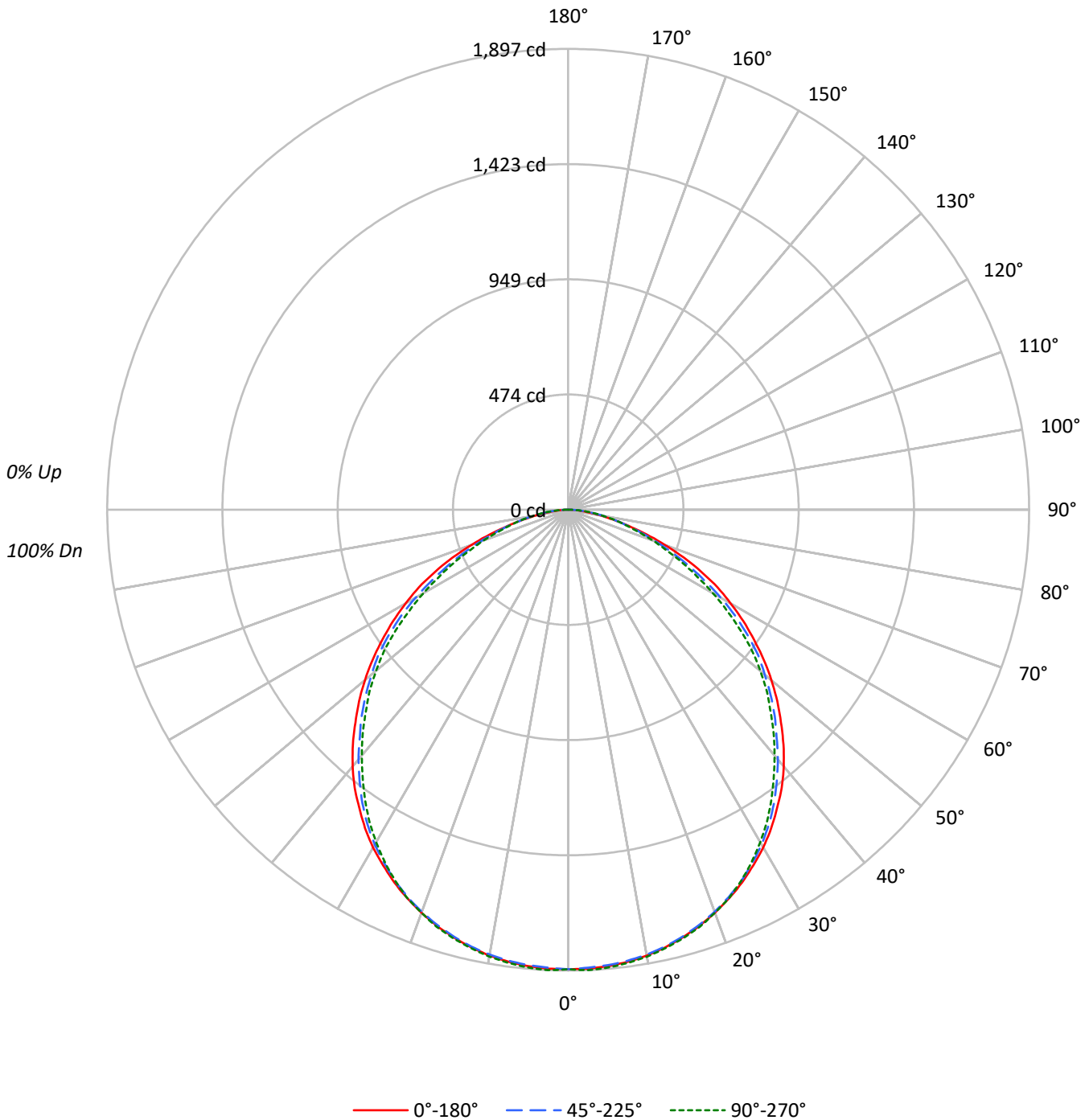
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5020.0 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5671	5671	5671
5°	5676	5664	5693
10°	5674	5661	5689
15°	5656	5647	5669
20°	5633	5619	5633
25°	5601	5578	5574
30°	5559	5510	5471
35°	5484	5402	5333
40°	5401	5253	5171
45°	5251	5096	4993
50°	5093	4926	4812
55°	4880	4715	4528
60°	4627	4354	4127
65°	4281	3888	3695
70°	3711	3385	3256
75°	2963	2898	2817
80°	2251	2517	2517
85°	1665	2146	2146



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	3.6
10°-20°	514.5	10.2
20°-30°	777.6	15.5
30°-40°	923.4	18.4
40°-50°	930.3	18.5
50°-60°	804.1	16.0
60°-70°	549.6	10.9
70°-80°	271.0	5.4
80°-90°	70.1	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°	1471.6	29.3
0°-40°	2394.9	47.7
0°-60°	4129.3	82.3
0°-90°	5020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1886	1887	1882	1890	1892	179
15°	1822	1824	1820	1826	1826	514
25°	1693	1692	1686	1688	1685	780
35°	1498	1494	1476	1463	1457	938
45°	1238	1225	1202	1188	1178	956
55°	934	931	902	875	866	835
65°	604	582	548	524	521	596
75°	256	254	250	250	243	279
85°	48	57	62	64	62	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1891.7	1891.7	1891.7	1891.7	1891.7
2.5°	1891.0	1891.7	1886.8	1895.2	1897.3
5°	1886.1	1886.8	1881.9	1889.6	1891.7
7.5°	1877.0	1878.4	1872.8	1880.5	1881.9
10°	1863.7	1864.4	1859.5	1867.2	1868.6
12.5°	1845.4	1846.1	1841.9	1848.9	1848.9
15°	1822.3	1824.4	1819.5	1825.8	1826.5
17.5°	1796.4	1797.1	1792.2	1799.2	1800.6
20°	1765.5	1765.5	1761.3	1766.9	1765.5
22.5°	1731.2	1731.2	1726.3	1729.1	1730.5
25°	1693.3	1691.9	1686.3	1687.7	1684.9
27.5°	1649.9	1649.9	1640.1	1640.1	1635.2
30°	1605.7	1602.2	1591.7	1585.4	1580.5
32.5°	1555.3	1550.4	1537.0	1525.8	1522.3
35°	1498.5	1493.6	1476.1	1462.8	1457.1
37.5°	1443.8	1432.6	1409.5	1396.2	1389.9
40°	1380.0	1366.0	1342.2	1324.0	1321.2
42.5°	1311.4	1300.1	1269.3	1256.0	1252.5
45°	1238.5	1225.2	1202.0	1188.0	1177.5
47.5°	1167.0	1157.2	1130.5	1113.7	1110.2
50°	1092.0	1083.6	1056.2	1038.0	1031.7
52.5°	1014.2	1008.6	985.4	962.3	954.6
55°	933.6	930.8	902.0	875.4	866.3
57.5°	854.4	850.9	815.1	784.3	775.9
60°	771.7	761.2	726.1	697.4	688.3
62.5°	693.2	670.7	632.9	610.5	600.0
65°	603.5	581.7	548.1	524.3	520.8
67.5°	515.2	489.2	463.3	448.6	437.4
70°	423.3	405.8	386.2	373.6	371.5
72.5°	337.8	325.2	315.4	307.7	301.4
75°	255.8	253.7	250.2	250.2	243.2
77.5°	187.8	192.7	195.5	194.8	196.2
80°	130.4	140.2	145.8	146.5	145.8
82.5°	82.7	93.9	103.0	104.4	105.8
85°	48.4	56.8	62.4	63.8	62.4
87.5°	21.7	27.3	28.7	30.1	28.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)