

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: P737872

Luminaire Tested: **14PT-50-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PR1-L835
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

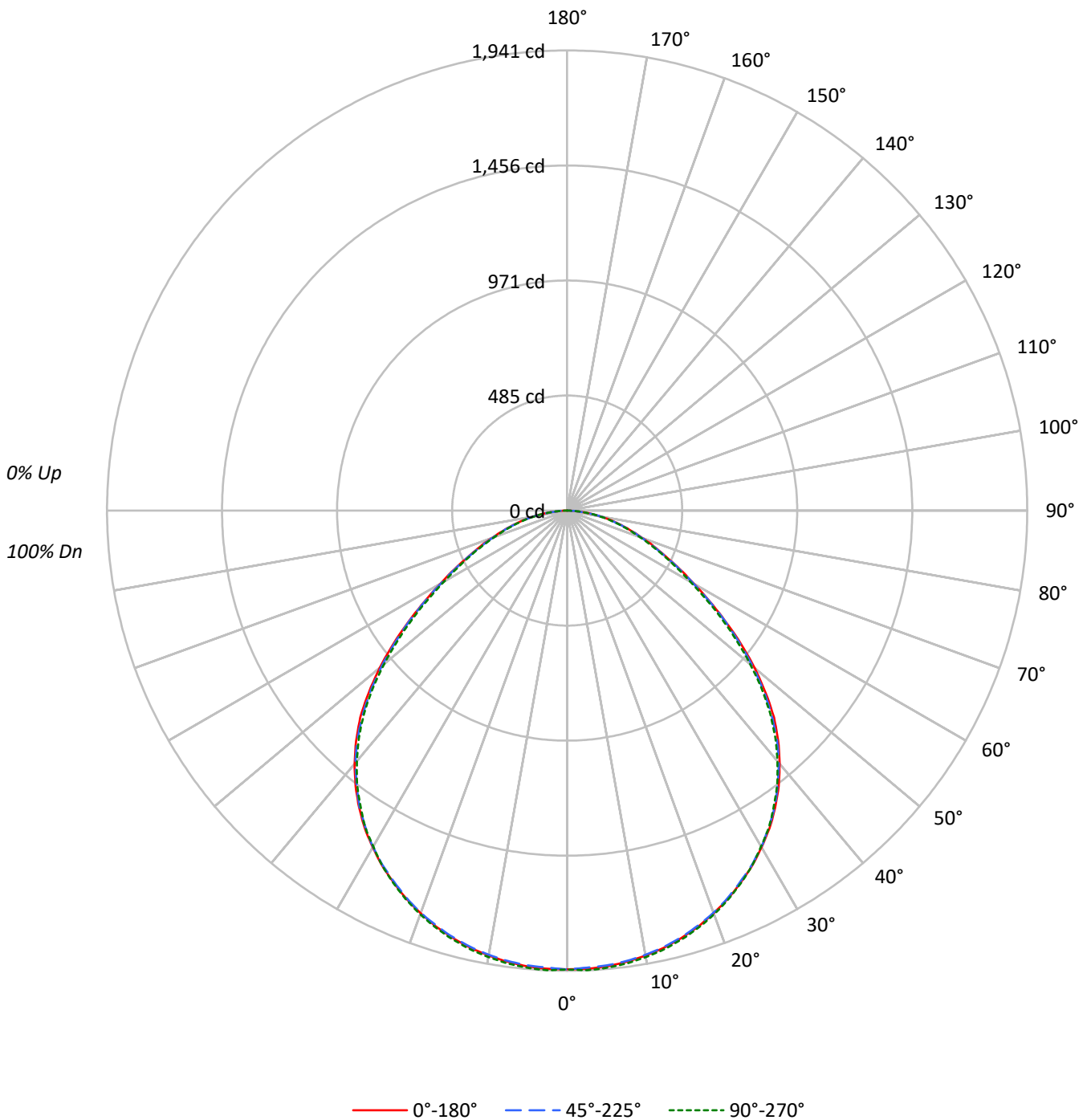
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4894.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5802	5802	5802
5°	5807	5795	5826
10°	5802	5792	5824
15°	5791	5782	5810
20°	5767	5760	5782
25°	5729	5716	5736
30°	5679	5672	5664
35°	5600	5587	5565
40°	5459	5437	5399
45°	5232	5173	5135
50°	4814	4759	4701
55°	4260	4242	4159
60°	3701	3689	3589
65°	3263	3243	3179
70°	2961	2918	2858
75°	2740	2676	2627
80°	2503	2467	2383
85°	1981	1957	1885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	3.8
10°-20°	526.9	10.8
20°-30°	798.2	16.3
30°-40°	952.8	19.5
40°-50°	937.1	19.1
50°-60°	724.3	14.8
60°-70°	456.7	9.3
70°-80°	247.0	5.0
80°-90°	67.5	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°	1508.6	30.8
0°-40°	2461.5	50.3
0°-60°	4122.8	84.2
0°-90°	4894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1935	1935	1935	1935	1935	
5°	1930	1930	1925	1934	1936	183
15°	1866	1866	1863	1869	1872	527
25°	1732	1733	1728	1733	1734	798
35°	1530	1531	1527	1524	1520	955
45°	1234	1229	1220	1210	1211	945
55°	815	822	812	798	796	731
65°	460	461	457	450	448	463
75°	236	234	231	232	227	251
85°	58	58	57	58	55	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1935.2	1935.2	1935.2	1935.2	1935.2
2.5°	1934.5	1935.2	1929.6	1938.6	1940.7
5°	1929.6	1930.3	1925.4	1933.8	1935.8
7.5°	1919.9	1921.3	1916.4	1924.7	1926.8
10°	1906.0	1907.4	1902.6	1910.9	1913.0
12.5°	1888.7	1889.4	1885.2	1892.8	1894.9
15°	1865.8	1866.5	1863.0	1869.3	1872.0
17.5°	1839.4	1840.1	1835.3	1842.9	1844.3
20°	1807.5	1808.2	1805.5	1811.7	1812.4
22.5°	1772.2	1773.5	1769.4	1774.9	1775.6
25°	1731.9	1733.3	1727.8	1733.3	1734.0
27.5°	1689.6	1690.3	1685.5	1689.6	1688.9
30°	1640.4	1644.5	1638.3	1636.9	1636.2
32.5°	1589.0	1589.7	1583.5	1582.1	1584.9
35°	1530.1	1530.8	1526.6	1524.5	1520.4
37.5°	1465.6	1465.6	1458.0	1456.6	1455.9
40°	1394.8	1394.1	1389.3	1384.4	1379.6
42.5°	1317.8	1319.2	1309.5	1301.2	1299.8
45°	1233.9	1229.1	1220.0	1210.3	1211.0
47.5°	1134.7	1136.1	1123.6	1116.0	1113.9
50°	1032.1	1032.1	1020.3	1012.0	1007.8
52.5°	924.6	925.3	914.2	903.1	901.0
55°	815.0	821.9	811.5	798.3	795.6
57.5°	712.3	717.9	708.2	694.3	693.6
60°	617.3	618.0	615.2	602.0	598.6
62.5°	536.2	532.7	531.3	524.4	520.2
65°	459.9	460.6	457.1	449.5	448.1
67.5°	398.1	397.4	391.2	386.3	383.6
70°	337.8	335.7	332.9	328.8	326.0
72.5°	283.7	283.7	281.6	280.2	275.4
75°	236.5	233.7	231.0	232.4	226.8
77.5°	191.4	188.7	186.6	183.8	182.4
80°	145.0	142.2	142.9	138.7	138.0
82.5°	100.6	100.6	99.2	95.7	96.4
85°	57.6	58.3	56.9	57.6	54.8
87.5°	20.8	21.5	22.9	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)