

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: P737868

Luminaire Tested: **14PT-50-PP3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737868
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-L935
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

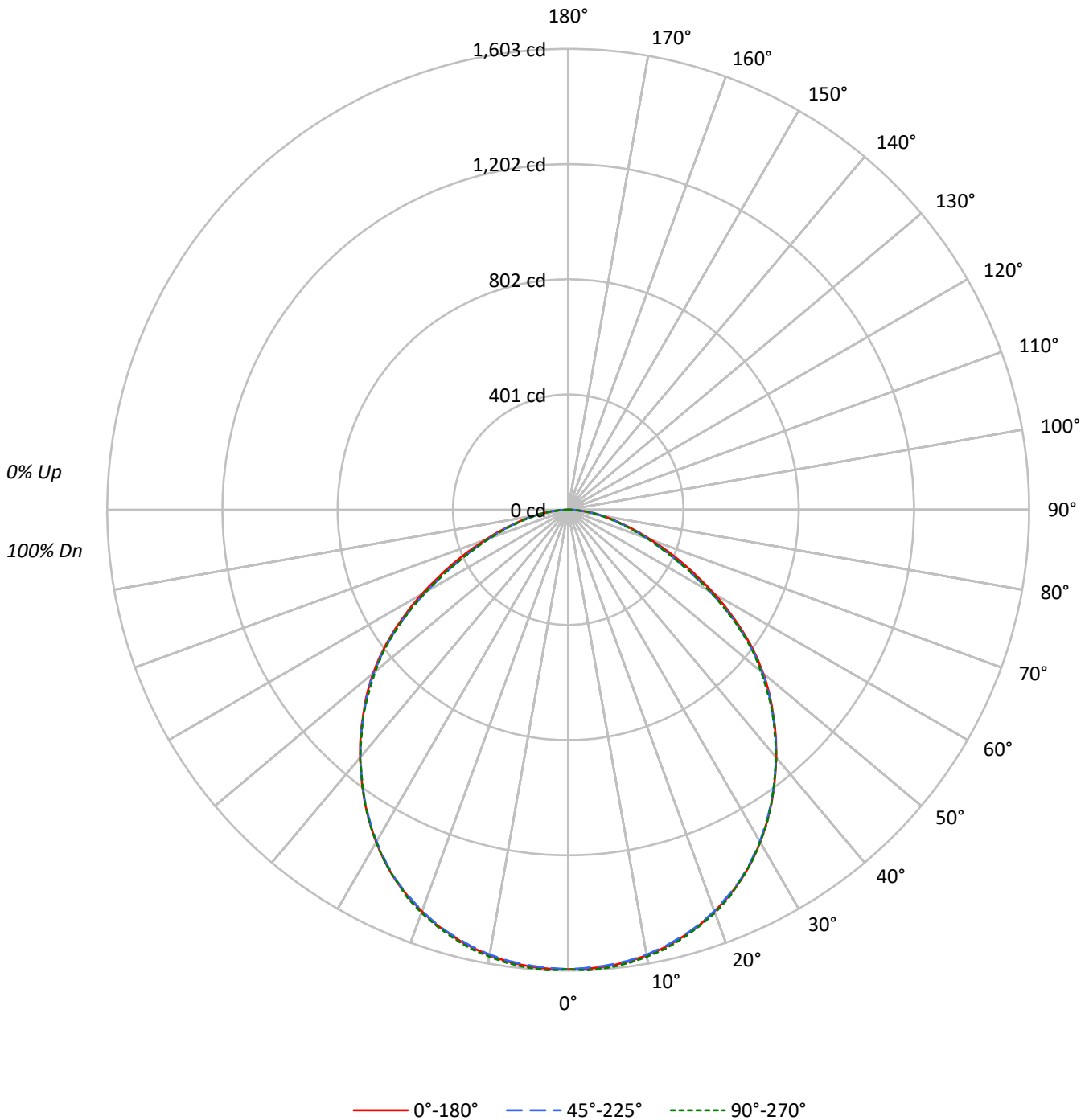
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4131.0 lumens
Efficiency: N/A
Efficacy: 101.0 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°	4793	4793	4793
5°	4797	4787	4813
10°	4791	4784	4807
15°	4775	4766	4788
20°	4744	4740	4760
25°	4701	4694	4699
30°	4623	4613	4623
35°	4522	4516	4520
40°	4406	4392	4404
45°	4274	4262	4267
50°	4131	4111	4082
55°	3889	3843	3831
60°	3528	3410	3417
65°	3100	2943	2939
70°	2681	2559	2528
75°	2319	2232	2185
80°	2055	2023	1934
85°	1696	1758	1658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	3.7
10°-20°	434.4	10.5
20°-30°	654.0	15.8
30°-40°	771.8	18.7
40°-50°	776.3	18.8
50°-60°	655.3	15.9
60°-70°	420.9	10.2
70°-80°	209.3	5.1
80°-90°	57.4	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°	1240.0	30.0
0°-40°	2011.8	48.7
0°-60°	3443.4	83.4
0°-90°	4131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1599	1599	1599	1599	1599	
5°	1594	1595	1591	1598	1599	152
15°	1538	1539	1536	1542	1542	434
25°	1421	1422	1419	1422	1421	654
35°	1236	1236	1234	1235	1235	772
45°	1008	1012	1005	1006	1006	778
55°	744	743	735	732	733	662
65°	437	431	415	411	414	436
75°	200	199	193	191	189	217
85°	49	51	51	48	48	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1598.8	1598.8	1598.8	1598.8	1598.8
2.5°	1598.2	1598.8	1594.7	1602.3	1603.4
5°	1594.1	1594.7	1590.7	1598.2	1599.4
7.5°	1586.0	1586.6	1583.1	1590.1	1591.2
10°	1573.8	1575.6	1571.5	1577.9	1579.1
12.5°	1558.7	1559.3	1555.3	1562.8	1564.0
15°	1538.4	1539.0	1535.5	1542.5	1542.5
17.5°	1515.2	1515.8	1513.5	1519.3	1518.7
20°	1486.8	1488.5	1485.6	1489.7	1492.0
22.5°	1456.0	1456.6	1453.1	1458.3	1460.7
25°	1421.2	1421.8	1418.9	1421.8	1420.6
27.5°	1380.6	1381.7	1377.7	1380.6	1381.2
30°	1335.3	1338.2	1332.4	1334.7	1335.3
32.5°	1286.6	1288.3	1284.2	1284.8	1287.7
35°	1235.5	1236.1	1233.8	1234.9	1234.9
37.5°	1180.4	1182.7	1179.2	1181.0	1178.6
40°	1125.8	1123.5	1122.3	1123.5	1125.2
42.5°	1068.4	1069.0	1067.2	1066.0	1063.1
45°	1008.0	1011.5	1005.1	1006.3	1006.3
47.5°	948.8	949.4	945.9	942.4	940.1
50°	885.6	885.6	881.5	878.6	875.1
52.5°	816.5	815.4	810.7	807.8	809.5
55°	744.0	743.4	735.3	732.4	732.9
57.5°	664.5	665.6	653.4	650.5	650.5
60°	588.4	582.6	568.7	564.7	569.9
62.5°	508.9	502.0	486.9	486.9	491.0
65°	437.0	430.6	414.9	410.9	414.3
67.5°	369.7	363.9	349.4	347.0	348.2
70°	305.8	300.6	291.9	286.7	288.4
72.5°	250.7	246.1	240.3	236.2	233.9
75°	200.2	199.1	192.7	190.9	188.6
77.5°	158.4	157.8	152.6	150.3	148.0
80°	119.0	118.4	117.2	113.7	112.0
82.5°	84.7	84.7	84.1	81.2	79.5
85°	49.3	51.1	51.1	48.2	48.2
87.5°	19.7	20.9	19.7	19.7	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)