

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: P737864

Luminaire Tested: **14PT-50-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737864
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-L835
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

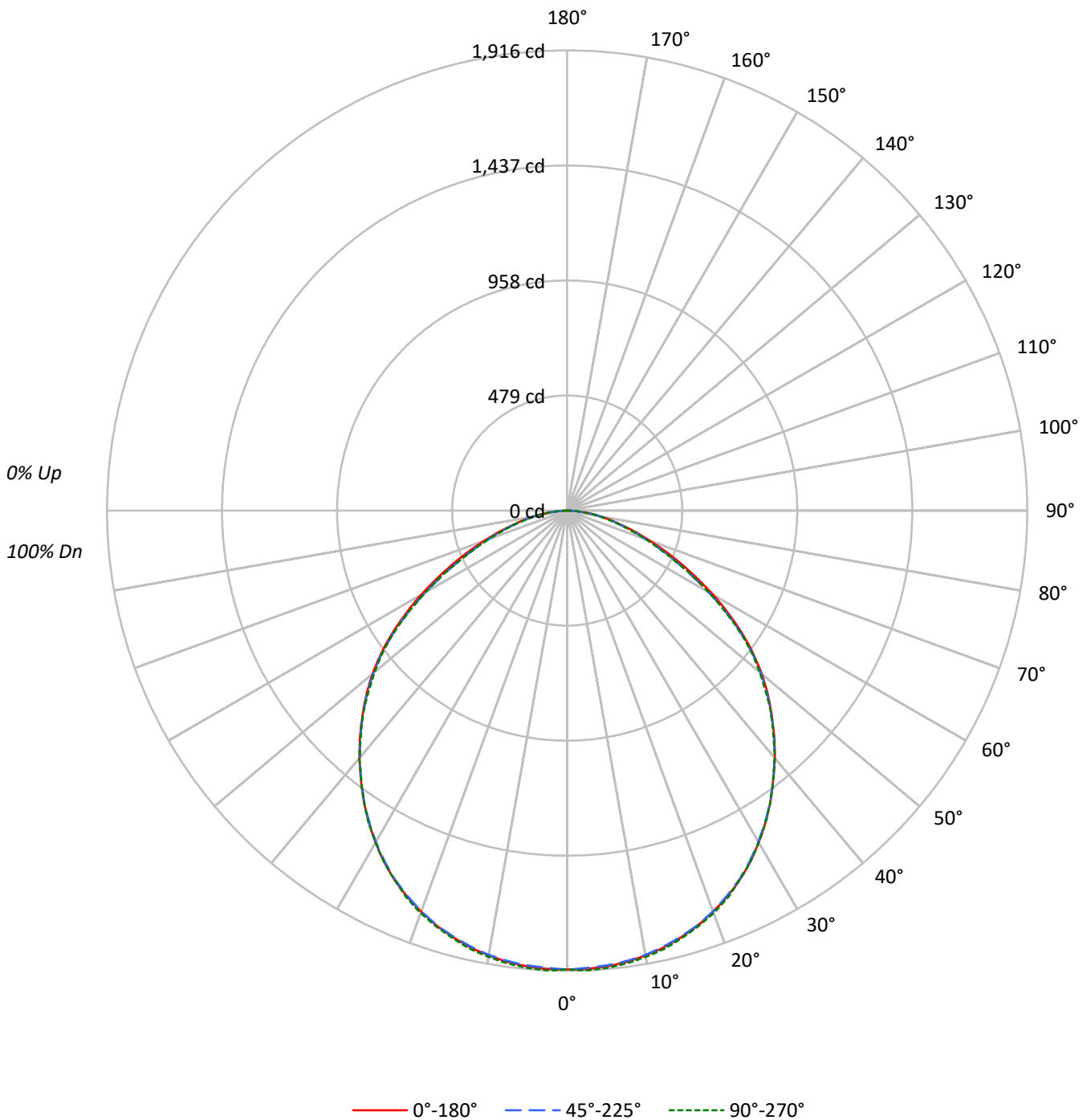
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4937.0 lumens
Efficiency: N/A
Efficacy: 120.7 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°	5728	5728	5728
5°	5734	5721	5752
10°	5726	5718	5745
15°	5707	5696	5722
20°	5669	5665	5689
25°	5619	5609	5616
30°	5525	5513	5525
35°	5404	5397	5402
40°	5266	5249	5263
45°	5108	5093	5099
50°	4937	4914	4878
55°	4647	4593	4579
60°	4217	4076	4084
65°	3705	3518	3513
70°	3204	3058	3022
75°	2772	2668	2611
80°	2455	2419	2312
85°	2030	2098	1981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	3.7
10°-20°	519.1	10.5
20°-30°	781.6	15.8
30°-40°	922.5	18.7
40°-50°	927.7	18.8
50°-60°	783.2	15.9
60°-70°	503.0	10.2
70°-80°	250.2	5.1
80°-90°	68.6	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°	1481.9	30.0
0°-40°	2404.4	48.7
0°-60°	4115.3	83.4
0°-90°	4937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1911	1911	1911	1911	1911	
5°	1905	1906	1901	1910	1911	181
15°	1839	1839	1835	1843	1843	519
25°	1698	1699	1696	1699	1698	782
35°	1477	1477	1474	1476	1476	923
45°	1205	1209	1201	1203	1203	930
55°	889	888	879	875	876	791
65°	522	515	496	491	495	521
75°	239	238	230	228	225	259
85°	59	61	61	58	58	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1910.7	1910.7	1910.7	1910.7	1910.7
2.5°	1910.0	1910.7	1905.9	1914.9	1916.3
5°	1905.2	1905.9	1901.0	1910.0	1911.4
7.5°	1895.5	1896.2	1892.0	1900.3	1901.7
10°	1880.9	1883.0	1878.1	1885.8	1887.1
12.5°	1862.9	1863.6	1858.7	1867.7	1869.1
15°	1838.6	1839.3	1835.1	1843.4	1843.4
17.5°	1810.9	1811.5	1808.8	1815.7	1815.0
20°	1776.9	1778.9	1775.5	1780.3	1783.1
22.5°	1740.1	1740.8	1736.6	1742.9	1745.7
25°	1698.5	1699.2	1695.7	1699.2	1697.8
27.5°	1649.9	1651.3	1646.5	1649.9	1650.6
30°	1595.9	1599.3	1592.4	1595.2	1595.9
32.5°	1537.6	1539.7	1534.8	1535.5	1539.0
35°	1476.6	1477.3	1474.5	1475.9	1475.9
37.5°	1410.7	1413.4	1409.3	1411.4	1408.6
40°	1345.5	1342.7	1341.3	1342.7	1344.8
42.5°	1276.8	1277.5	1275.4	1274.0	1270.6
45°	1204.7	1208.9	1201.2	1202.6	1202.6
47.5°	1133.9	1134.6	1130.5	1126.3	1123.5
50°	1058.4	1058.4	1053.5	1050.0	1045.9
52.5°	975.8	974.4	968.9	965.4	967.5
55°	889.1	888.4	878.7	875.3	876.0
57.5°	794.1	795.5	780.9	777.5	777.5
60°	703.3	696.3	679.7	674.8	681.1
62.5°	608.2	599.9	581.9	581.9	586.7
65°	522.2	514.6	495.9	491.0	495.2
67.5°	441.8	434.9	417.5	414.7	416.1
70°	365.5	359.3	348.9	342.6	344.7
72.5°	299.6	294.1	287.1	282.3	279.5
75°	239.3	237.9	230.3	228.2	225.4
77.5°	189.3	188.6	182.4	179.6	176.9
80°	142.2	141.5	140.1	135.9	133.9
82.5°	101.3	101.3	100.6	97.1	95.0
85°	59.0	61.0	61.0	57.6	57.6
87.5°	23.6	25.0	23.6	23.6	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)