

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: P738344

Luminaire Tested: **22PT-45-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PW1-L835
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

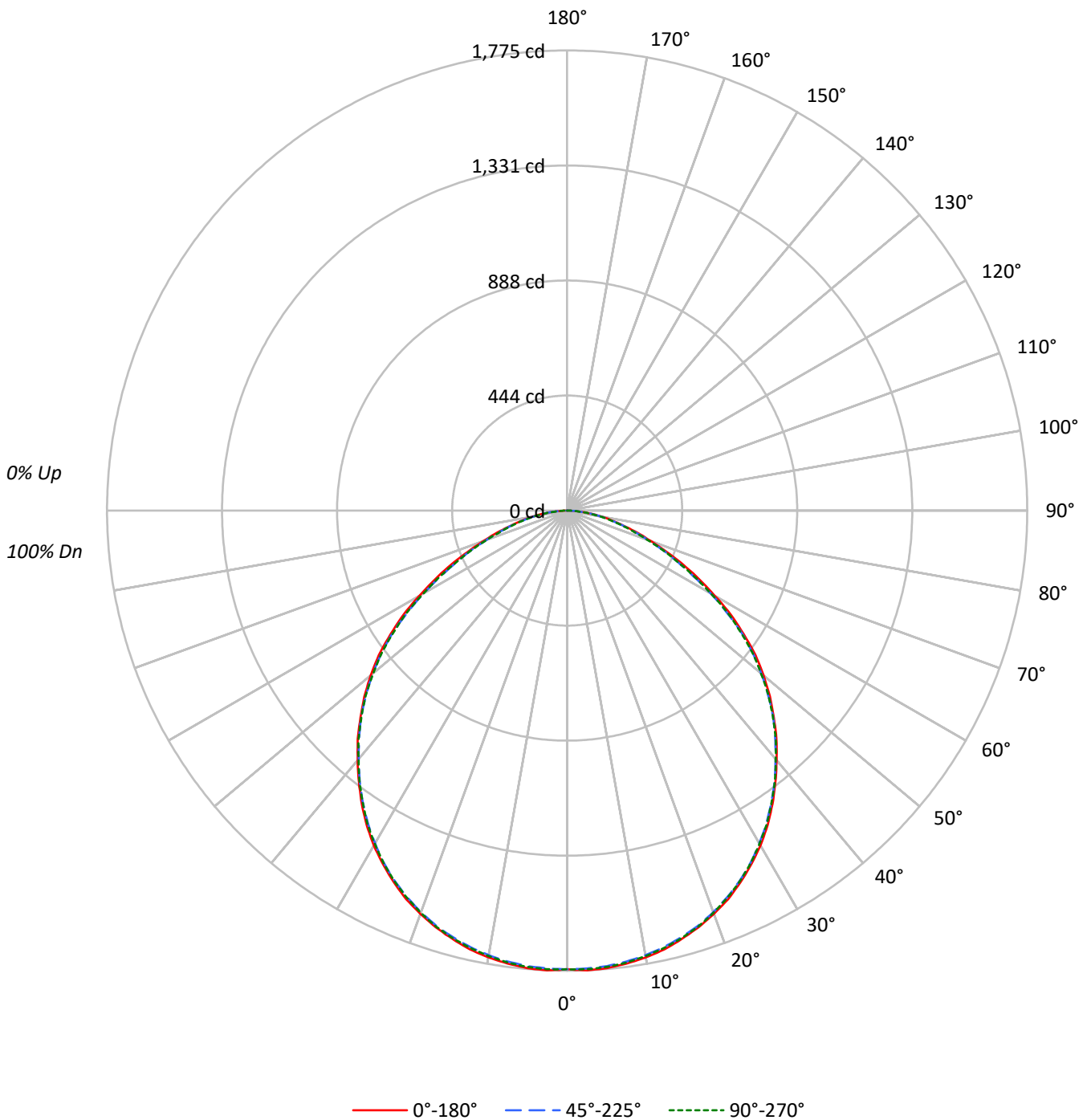
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4608.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 35.3
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	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5184	5184	5184
5°	5210	5187	5197
10°	5206	5181	5191
15°	5189	5167	5179
20°	5162	5140	5148
25°	5116	5093	5099
30°	5048	5016	5023
35°	4940	4914	4917
40°	4809	4784	4788
45°	4670	4653	4647
50°	4508	4458	4447
55°	4248	4191	4168
60°	3856	3745	3753
65°	3428	3268	3268
70°	2938	2831	2810
75°	2549	2493	2436
80°	2293	2200	2158
85°	1822	1839	1738



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	3.6
10°-20°	481.1	10.4
20°-30°	725.8	15.8
30°-40°	859.7	18.7
40°-50°	865.4	18.8
50°-60°	731.8	15.9
60°-70°	475.8	10.3
70°-80°	236.8	5.1
80°-90°	63.8	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°	1374.7	29.8
0°-40°	2234.4	48.5
0°-60°	3831.6	83.2
0°-90°	4608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1769	1769	1769	1769	1769	
5°	1771	1765	1763	1762	1767	168
15°	1711	1705	1703	1703	1707	483
25°	1582	1577	1575	1574	1577	729
35°	1381	1375	1374	1374	1375	863
45°	1127	1123	1123	1121	1121	870
55°	832	824	820	817	816	742
65°	494	481	471	468	471	491
75°	225	225	220	214	215	244
85°	54	55	55	55	52	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1775.4	1769.4	1767.4	1766.4	1770.9
5°	1771.4	1764.9	1763.4	1762.4	1766.9
7.5°	1762.4	1756.4	1754.4	1753.9	1758.4
10°	1749.8	1743.8	1741.3	1740.3	1744.8
12.5°	1733.8	1727.3	1724.8	1723.8	1727.8
15°	1710.7	1705.2	1703.2	1702.7	1707.2
17.5°	1685.6	1680.1	1679.1	1677.6	1682.1
20°	1655.6	1650.0	1648.5	1646.5	1651.0
22.5°	1622.5	1615.9	1613.9	1612.4	1615.9
25°	1582.3	1576.8	1575.3	1573.8	1577.3
27.5°	1538.2	1534.2	1532.2	1530.7	1532.7
30°	1492.1	1485.0	1482.5	1481.5	1484.5
32.5°	1438.9	1433.9	1430.4	1429.9	1433.4
35°	1381.2	1375.2	1373.7	1373.7	1374.7
37.5°	1320.0	1317.0	1314.5	1313.0	1316.0
40°	1257.3	1256.3	1250.8	1250.3	1251.8
42.5°	1195.6	1191.6	1187.6	1189.6	1190.6
45°	1126.9	1122.9	1122.9	1121.4	1121.4
47.5°	1060.7	1056.7	1051.2	1051.7	1052.7
50°	989.0	984.0	978.0	981.5	975.5
52.5°	915.8	906.8	902.3	902.3	901.8
55°	831.5	824.5	820.5	817.0	816.0
57.5°	750.3	739.8	729.7	730.7	734.2
60°	658.0	653.0	639.0	640.0	640.5
62.5°	574.8	565.2	550.7	550.7	555.7
65°	494.5	481.0	471.4	467.9	471.4
67.5°	415.8	408.2	400.2	394.7	399.7
70°	343.0	339.0	330.5	325.0	328.0
72.5°	283.9	278.3	271.3	268.3	265.3
75°	225.2	225.2	220.2	214.2	215.2
77.5°	177.5	176.0	172.5	170.0	170.0
80°	135.9	134.4	130.4	129.4	127.9
82.5°	93.8	94.3	92.3	90.8	88.8
85°	54.2	55.2	54.7	54.7	51.7
87.5°	23.1	21.1	22.6	22.1	24.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)