

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: P738208

Luminaire Tested: **22PT-45-PR1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PR1-L835  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -  
Ballast/Driver: -

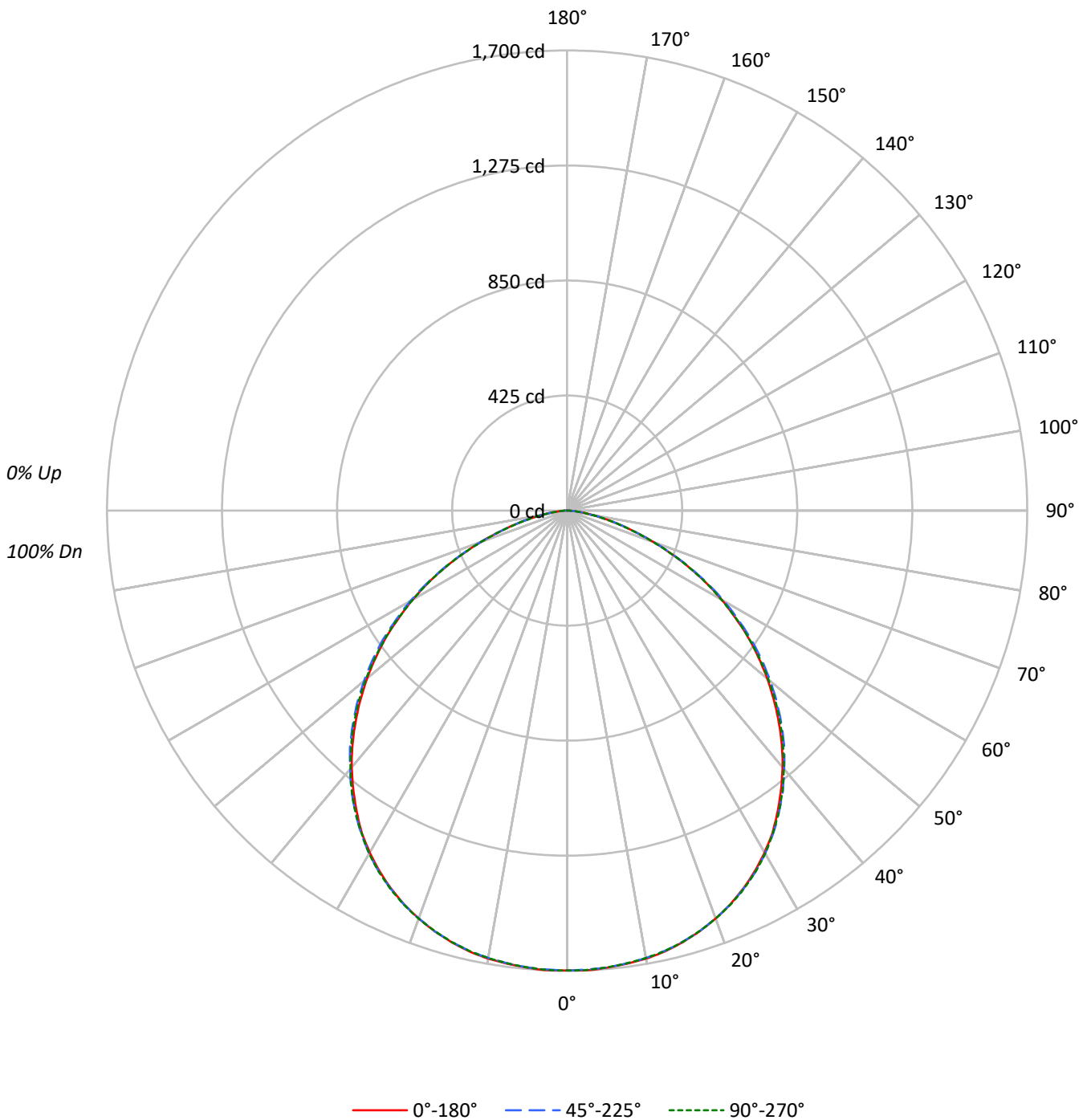
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4540.0 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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<sub>in</sub>): 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	92	86	80	98	90	85	80	87	82	78	84	80	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	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	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	4978	4978	4978
5°	4985	4982	4982
10°	5001	4994	4994
15°	5007	5002	5004
20°	5000	4999	5002
25°	4979	4984	4988
30°	4934	4949	4952
35°	4851	4878	4875
40°	4738	4770	4764
45°	4582	4641	4617
50°	4397	4464	4427
55°	4173	4239	4179
60°	3868	3922	3855
65°	3451	3487	3447
70°	2903	2903	2884
75°	2276	2276	2251
80°	1665	1647	1638
85°	1086	1086	1109



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.2	3.6
10°-20°	465.6	10.3
20°-30°	710.2	15.6
30°-40°	851.2	18.7
40°-50°	859.6	18.9
50°-60°	735.5	16.2
60°-70°	496.0	10.9
70°-80°	218.8	4.8
80°-90°	42.0	0.9
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°	1337.0	29.4
0°-40°	2188.1	48.2
0°-60°	3783.2	83.3
0°-90°	4540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4540.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1699	1699	1699	1699	1699	
5°	1695	1693	1694	1693	1694	161
15°	1651	1650	1649	1648	1650	466
25°	1540	1542	1542	1542	1543	709
35°	1356	1364	1364	1362	1363	848
45°	1106	1114	1120	1118	1114	852
55°	817	824	830	829	818	728
65°	498	502	503	502	497	492
75°	201	202	201	202	199	219
85°	32	32	32	33	33	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1699.0	1699.0	1699.0	1699.0	1699.0
2.5°	1700.1	1697.9	1697.3	1696.8	1699.0
5°	1695.0	1692.8	1693.9	1692.8	1693.9
7.5°	1688.8	1686.5	1687.2	1685.9	1687.2
10°	1680.9	1678.5	1678.5	1677.4	1678.5
12.5°	1668.3	1666.7	1666.1	1664.9	1666.7
15°	1650.7	1650.2	1649.1	1648.5	1649.6
17.5°	1629.3	1628.1	1629.3	1627.5	1628.6
20°	1603.6	1604.3	1603.2	1603.6	1604.3
22.5°	1574.7	1574.7	1575.3	1575.3	1576.4
25°	1540.1	1541.7	1541.7	1541.7	1543.0
27.5°	1501.6	1503.8	1505.4	1504.3	1505.4
30°	1458.3	1462.3	1462.8	1462.3	1463.5
32.5°	1411.8	1414.7	1416.3	1415.1	1414.0
35°	1356.1	1364.1	1363.6	1362.3	1363.0
37.5°	1297.7	1305.7	1308.4	1306.2	1306.8
40°	1238.6	1245.5	1247.1	1247.7	1245.5
42.5°	1173.3	1181.3	1187.6	1184.7	1181.3
45°	1105.8	1114.3	1120.0	1118.3	1114.3
47.5°	1036.0	1043.9	1051.9	1049.0	1045.1
50°	964.5	972.3	979.2	978.1	971.2
52.5°	891.2	900.3	906.6	904.3	895.2
55°	816.9	824.3	829.9	828.8	818.1
57.5°	736.3	745.9	748.8	747.0	739.2
60°	660.1	666.5	669.2	667.0	657.9
62.5°	579.0	584.1	586.3	585.9	579.6
65°	497.8	501.9	503.0	501.9	497.2
67.5°	414.5	420.1	420.7	420.7	416.1
70°	338.9	340.5	338.9	343.4	336.7
72.5°	265.6	266.8	265.6	265.6	262.8
75°	201.0	201.5	201.0	201.5	198.8
77.5°	145.3	146.4	144.2	145.9	143.1
80°	98.7	98.7	97.6	98.3	97.1
82.5°	61.3	62.4	60.8	60.8	60.2
85°	32.3	32.3	32.3	33.0	33.0
87.5°	11.4	11.4	11.8	11.8	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)