

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: P738068

Luminaire Tested: **22PT-20-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738068  
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-20-PR1-L935  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

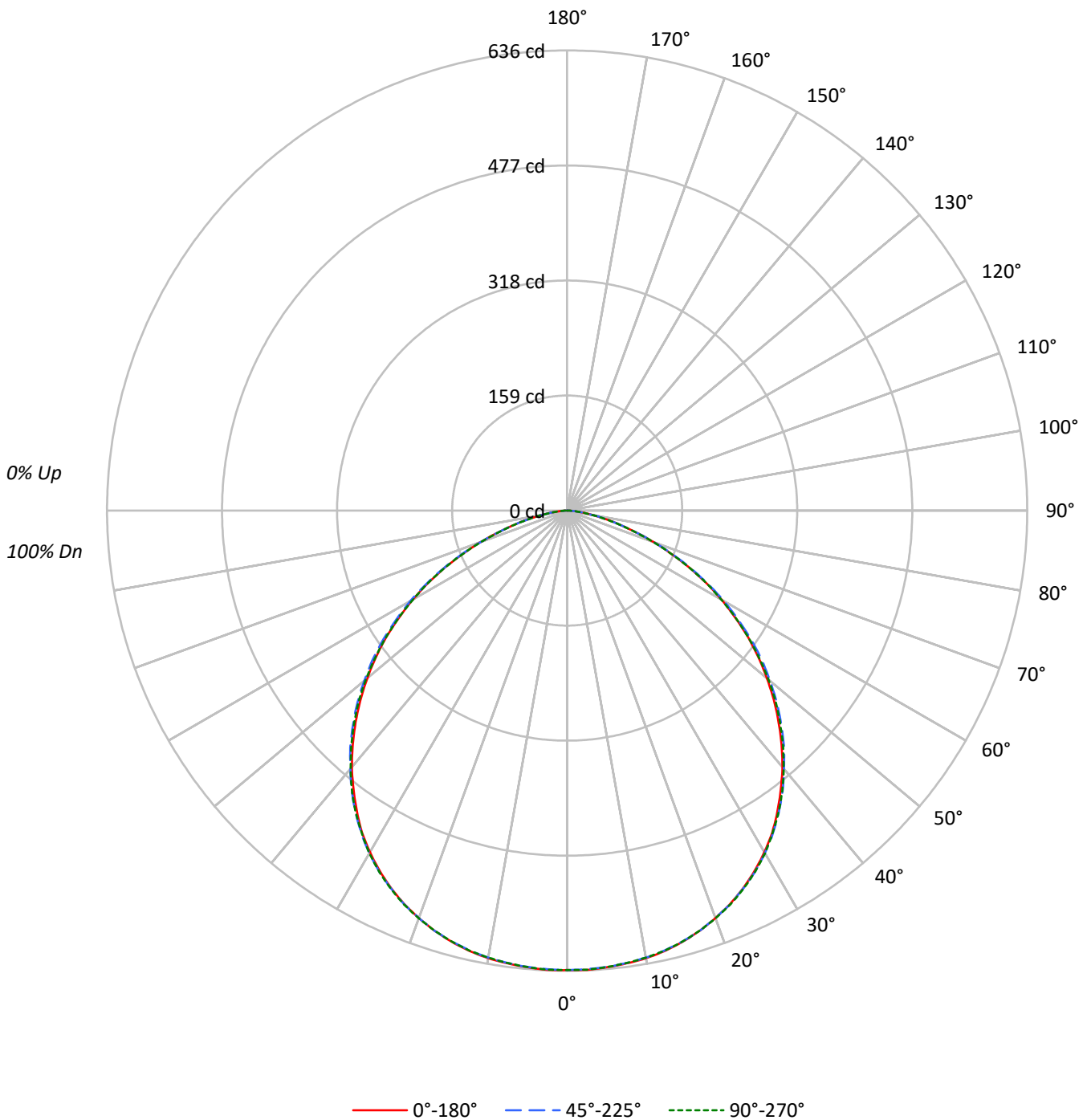
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1697.0 lumens  
Efficiency: N/A  
Efficacy: 114.7 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): 14.8  
Input Voltage (V): NR  
Input Current (Ain): 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°	1861	1861	1861
5°	1864	1862	1862
10°	1869	1867	1867
15°	1872	1870	1870
20°	1869	1868	1870
25°	1861	1863	1865
30°	1844	1850	1851
35°	1813	1823	1822
40°	1771	1783	1781
45°	1713	1735	1726
50°	1643	1668	1655
55°	1560	1585	1562
60°	1446	1466	1441
65°	1290	1303	1289
70°	1085	1085	1079
75°	850	850	841
80°	623	616	613
85°	407	407	414



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.2	3.6
10°-20°	174.0	10.3
20°-30°	265.5	15.6
30°-40°	318.2	18.7
40°-50°	321.3	18.9
50°-60°	274.9	16.2
60°-70°	185.4	10.9
70°-80°	81.8	4.8
80°-90°	15.7	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°	499.8	29.4
0°-40°	817.9	48.2
0°-60°	1414.1	83.3
0°-90°	1697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	634	633	633	633	633	60
15°	617	617	616	616	617	174
25°	576	576	576	576	577	265
35°	507	510	510	509	510	317
45°	413	416	419	418	416	319
55°	305	308	310	310	306	272
65°	186	188	188	188	186	184
75°	75	75	75	75	74	82
85°	12	12	12	12	12	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	635.1	635.1	635.1	635.1	635.1
2.5°	635.5	634.7	634.4	634.2	635.1
5°	633.6	632.7	633.2	632.7	633.2
7.5°	631.2	630.4	630.7	630.2	630.7
10°	628.3	627.4	627.4	627.0	627.4
12.5°	623.6	623.0	622.8	622.3	623.0
15°	617.0	616.8	616.4	616.2	616.6
17.5°	609.0	608.6	609.0	608.3	608.8
20°	599.4	599.7	599.2	599.4	599.7
22.5°	588.6	588.6	588.8	588.8	589.3
25°	575.7	576.3	576.3	576.3	576.8
27.5°	561.3	562.1	562.7	562.3	562.7
30°	545.1	546.6	546.8	546.6	547.0
32.5°	527.7	528.8	529.4	529.0	528.5
35°	506.9	509.9	509.7	509.2	509.5
37.5°	485.1	488.0	489.1	488.2	488.5
40°	463.0	465.6	466.2	466.4	465.6
42.5°	438.6	441.6	443.9	442.8	441.6
45°	413.3	416.5	418.7	418.0	416.5
47.5°	387.3	390.2	393.2	392.1	390.7
50°	360.5	363.4	366.0	365.6	363.0
52.5°	333.1	336.5	338.9	338.0	334.6
55°	305.4	308.1	310.2	309.8	305.8
57.5°	275.2	278.8	279.9	279.2	276.3
60°	246.7	249.1	250.2	249.3	245.9
62.5°	216.4	218.3	219.2	219.0	216.7
65°	186.1	187.6	188.0	187.6	185.9
67.5°	154.9	157.0	157.3	157.3	155.5
70°	126.7	127.3	126.7	128.4	125.9
72.5°	99.3	99.7	99.3	99.3	98.2
75°	75.1	75.3	75.1	75.3	74.3
77.5°	54.3	54.7	53.9	54.6	53.5
80°	36.9	36.9	36.5	36.7	36.3
82.5°	22.9	23.3	22.7	22.7	22.5
85°	12.1	12.1	12.1	12.3	12.3
87.5°	4.2	4.2	4.4	4.4	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)