

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: P737708

Luminaire Tested: **14PT-20-PB1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PB1-L935  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

**Summary**

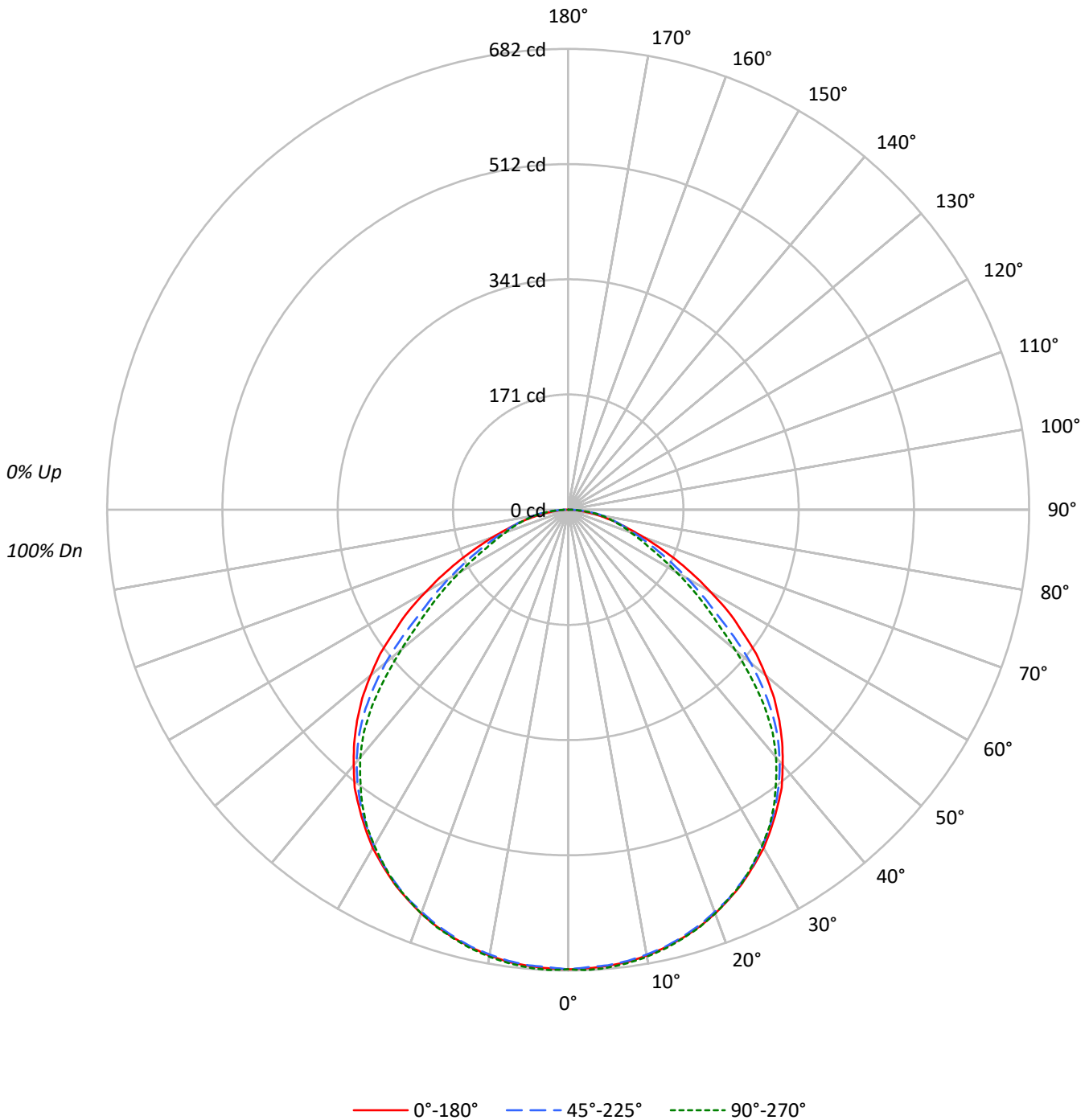
Lumens per Lamp: N/A  
Luminaire Lumens: 1696.0 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.2  
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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2039	2039	2039
5°	2040	2037	2047
10°	2040	2035	2045
15°	2036	2031	2038
20°	2029	2021	2029
25°	2018	2009	2015
30°	2001	1990	1987
35°	1972	1957	1944
40°	1932	1906	1873
45°	1873	1813	1738
50°	1779	1643	1502
55°	1640	1395	1294
60°	1460	1219	1109
65°	1252	1056	944
70°	1034	931	865
75°	872	892	843
80°	737	910	867
85°	574	922	805



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.5	3.8
10°-20°	185.0	10.9
20°-30°	280.3	16.5
30°-40°	334.0	19.7
40°-50°	326.6	19.3
50°-60°	247.0	14.6
60°-70°	151.8	8.9
70°-80°	80.9	4.8
80°-90°	25.8	1.5
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°	529.9	31.2
0°-40°	863.9	50.9
0°-60°	1437.5	84.8
0°-90°	1696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1696.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	678	678	677	679	680	64
15°	656	657	654	657	657	185
25°	610	609	607	608	609	281
35°	539	538	535	532	531	337
45°	442	439	428	413	410	340
55°	314	298	267	252	248	281
65°	176	162	149	137	133	176
75°	75	76	77	74	73	81
85°	17	22	27	25	23	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	680.2	680.2	680.2	680.2	680.2
2.5°	679.3	680.2	677.7	681.0	681.8
5°	677.7	678.5	676.8	679.3	680.2
7.5°	675.1	675.1	673.5	676.0	676.8
10°	670.1	670.1	668.5	671.0	671.8
12.5°	663.4	663.4	662.6	664.3	665.1
15°	655.9	656.7	654.2	656.7	656.7
17.5°	646.7	645.9	645.0	646.7	647.5
20°	635.8	635.8	633.3	635.0	635.8
22.5°	623.3	623.3	622.4	623.3	622.4
25°	609.9	609.1	607.4	608.2	609.1
27.5°	594.0	594.0	592.3	592.3	591.5
30°	578.1	577.3	574.7	573.1	573.9
32.5°	558.9	558.0	555.5	553.8	554.7
35°	538.8	537.9	534.6	532.1	531.2
37.5°	518.7	516.2	512.0	508.7	505.3
40°	493.6	491.1	486.9	479.4	478.5
42.5°	468.5	466.0	459.3	450.1	447.6
45°	441.7	439.2	427.5	413.3	409.9
47.5°	413.3	409.1	390.7	373.1	366.4
50°	381.5	374.0	352.2	329.6	322.1
52.5°	350.5	337.2	308.7	288.6	281.1
55°	313.7	297.8	266.9	251.8	247.6
57.5°	281.1	259.3	234.3	219.2	215.8
60°	243.5	223.4	203.3	189.9	184.9
62.5°	209.2	191.6	174.9	163.1	157.3
65°	176.5	162.3	148.9	137.2	133.0
67.5°	144.7	137.2	126.3	117.1	114.6
70°	118.0	113.8	106.2	102.1	98.7
72.5°	93.7	95.4	90.4	88.7	86.2
75°	75.3	76.1	77.0	74.5	72.8
77.5°	56.9	61.1	64.4	62.7	61.1
80°	42.7	46.9	52.7	50.2	50.2
82.5°	29.3	34.3	39.3	37.6	36.8
85°	16.7	21.8	26.8	25.1	23.4
87.5°	6.7	10.9	11.7	11.7	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)