

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: P737724

Luminaire Tested: **14PT-20-PL1-L935**

Issue Date: 2/8/2024



**Test Information**

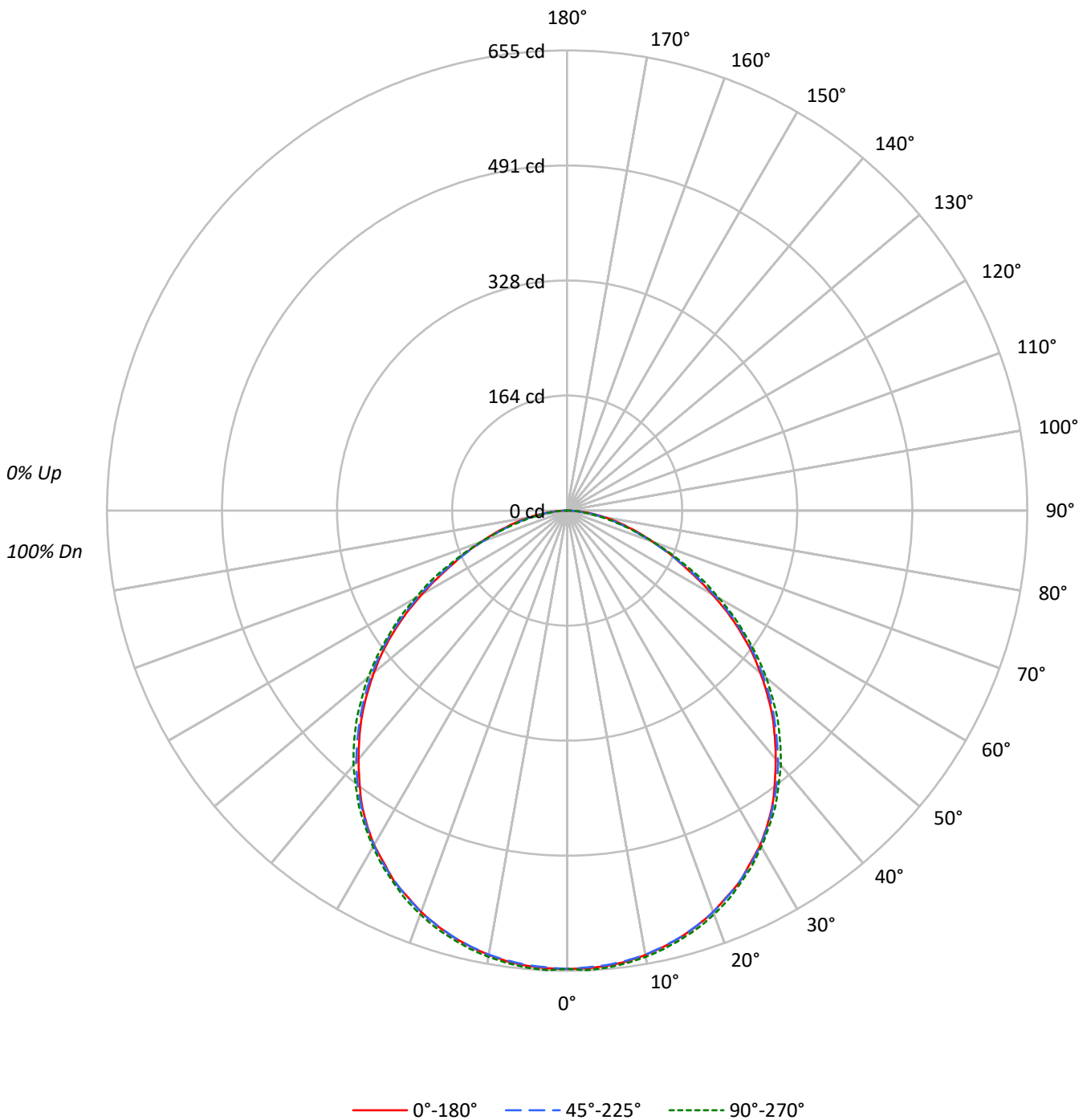
Test Method: LM-79-08  
Report Number: P737724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PL1-L935  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1720.0 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
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	30	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°	1956	1956	1956
5°	1958	1954	1965
10°	1955	1953	1964
15°	1950	1949	1959
20°	1940	1940	1951
25°	1927	1924	1935
30°	1902	1905	1914
35°	1866	1873	1888
40°	1808	1829	1852
45°	1752	1766	1800
50°	1674	1693	1726
55°	1577	1602	1621
60°	1431	1461	1497
65°	1271	1285	1336
70°	1136	1112	1140
75°	1025	966	946
80°	931	863	768
85°	791	715	616



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	3.6
10°-20°	177.5	10.3
20°-30°	268.5	15.6
30°-40°	320.1	18.6
40°-50°	321.9	18.7
50°-60°	273.2	15.9
60°-70°	181.9	10.6
70°-80°	90.8	5.3
80°-90°	24.3	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°	507.9	29.5
0°-40°	828.0	48.1
0°-60°	1423.0	82.7
0°-90°	1720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1720.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	651	651	649	652	653	62
15°	628	629	628	630	631	177
25°	582	582	582	584	585	268
35°	510	510	512	515	516	318
45°	413	414	416	422	424	318
55°	302	304	306	309	310	269
65°	179	181	181	184	188	180
75°	88	87	83	82	82	95
85°	23	22	21	20	18	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	652.5	652.5	652.5	652.5	652.5
2.5°	652.0	652.5	650.8	653.9	654.7
5°	650.6	650.8	649.3	652.2	653.0
7.5°	647.4	647.7	646.2	649.3	649.8
10°	642.3	642.8	641.6	644.5	645.2
12.5°	635.8	636.5	635.3	638.5	638.9
15°	628.1	628.8	627.8	630.5	631.0
17.5°	618.6	619.1	618.6	621.1	622.5
20°	608.0	608.0	608.0	610.2	611.4
22.5°	594.7	595.9	595.4	598.3	599.5
25°	582.4	582.4	581.7	584.3	584.8
27.5°	565.2	567.1	566.9	569.3	569.8
30°	549.5	550.0	550.2	551.9	552.9
32.5°	530.4	530.9	531.6	534.0	534.3
35°	509.9	510.3	511.8	515.4	515.9
37.5°	485.9	488.6	489.8	493.7	494.1
40°	462.0	463.7	467.3	471.4	473.3
42.5°	437.6	439.5	441.7	447.2	448.9
45°	413.2	413.9	416.5	422.1	424.5
47.5°	386.1	388.3	390.7	395.5	397.0
50°	359.0	361.4	362.9	367.2	370.1
52.5°	331.7	333.9	335.6	338.2	341.1
55°	301.7	303.9	306.5	309.4	310.2
57.5°	271.2	273.7	275.4	278.5	281.6
60°	238.6	241.3	243.7	246.6	249.7
62.5°	208.1	209.4	211.8	216.6	221.2
65°	179.1	180.6	181.1	183.7	188.3
67.5°	155.0	155.0	152.8	153.8	158.8
70°	129.6	128.6	126.9	126.0	130.1
72.5°	109.0	107.8	104.2	102.5	104.7
75°	88.5	87.3	83.4	81.5	81.7
77.5°	71.1	69.1	66.0	62.6	61.9
80°	53.9	53.2	50.0	46.9	44.5
82.5°	38.2	36.5	34.8	32.9	30.9
85°	23.0	22.5	20.8	19.6	17.9
87.5°	9.4	9.4	8.9	8.5	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)