

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: P737741

Luminaire Tested: **14PT-20-PR1-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PR1-L940  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

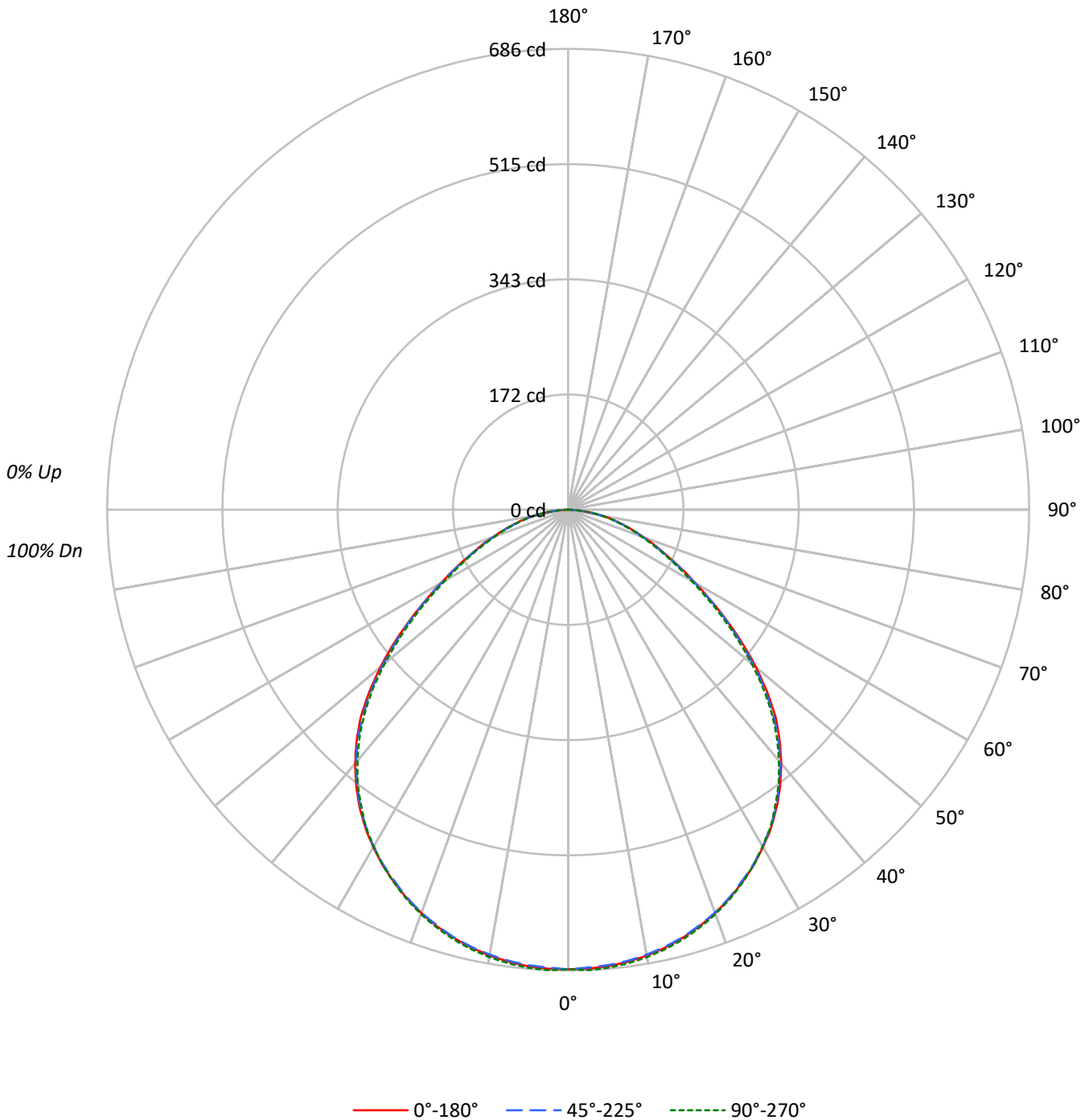
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1730.0 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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

TEST NUMBER: P737741  
CATALOG NUMBER: 14PT-20-PR1-L940

### 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	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

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

	0°	45°	90°
0°	2051	2051	2051
5°	2053	2048	2059
10°	2051	2047	2059
15°	2047	2044	2054
20°	2039	2036	2044
25°	2025	2021	2028
30°	2008	2005	2002
35°	1980	1975	1967
40°	1930	1922	1909
45°	1849	1829	1815
50°	1701	1682	1662
55°	1506	1500	1470
60°	1308	1304	1269
65°	1153	1146	1124
70°	1047	1032	1010
75°	968	945	929
80°	884	872	843
85°	702	691	667



TEST NUMBER: P737741

CATALOG NUMBER: 14PT-20-PR1-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.9	3.8
10°-20°	186.3	10.8
20°-30°	282.2	16.3
30°-40°	336.8	19.5
40°-50°	331.3	19.1
50°-60°	256.0	14.8
60°-70°	161.4	9.3
70°-80°	87.3	5.0
80°-90°	23.9	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°	533.3	30.8
0°-40°	870.1	50.3
0°-60°	1457.4	84.2
0°-90°	1730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1730.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	684	684	684	684	684	
5°	682	682	681	684	684	65
15°	660	660	659	661	662	186
25°	612	613	611	613	613	282
35°	541	541	540	539	537	338
45°	436	434	431	428	428	334
55°	288	290	287	282	281	259
65°	163	163	162	159	158	164
75°	84	83	82	82	80	89
85°	20	21	20	20	19	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	684.1	684.1	684.1	684.1	684.1
2.5°	683.8	684.1	682.1	685.3	686.0
5°	682.1	682.3	680.6	683.6	684.3
7.5°	678.7	679.2	677.4	680.4	681.1
10°	673.8	674.3	672.5	675.5	676.2
12.5°	667.6	667.9	666.4	669.1	669.8
15°	659.5	659.8	658.6	660.8	661.8
17.5°	650.2	650.5	648.8	651.5	651.9
20°	639.0	639.2	638.2	640.4	640.7
22.5°	626.4	626.9	625.5	627.4	627.7
25°	612.2	612.7	610.8	612.7	613.0
27.5°	597.3	597.5	595.8	597.3	597.0
30°	579.9	581.3	579.1	578.6	578.4
32.5°	561.7	562.0	559.8	559.3	560.2
35°	540.9	541.1	539.7	538.9	537.4
37.5°	518.1	518.1	515.4	514.9	514.6
40°	493.1	492.8	491.1	489.4	487.7
42.5°	465.9	466.3	462.9	460.0	459.5
45°	436.2	434.5	431.3	427.8	428.1
47.5°	401.1	401.6	397.2	394.5	393.8
50°	364.8	364.8	360.7	357.7	356.3
52.5°	326.8	327.1	323.2	319.2	318.5
55°	288.1	290.5	286.9	282.2	281.2
57.5°	251.8	253.8	250.3	245.4	245.2
60°	218.2	218.5	217.5	212.8	211.6
62.5°	189.5	188.3	187.8	185.4	183.9
65°	162.6	162.8	161.6	158.9	158.4
67.5°	140.7	140.5	138.3	136.6	135.6
70°	119.4	118.7	117.7	116.2	115.2
72.5°	100.3	100.3	99.5	99.1	97.3
75°	83.6	82.6	81.6	82.1	80.2
77.5°	67.7	66.7	66.0	65.0	64.5
80°	51.2	50.3	50.5	49.0	48.8
82.5°	35.6	35.6	35.1	33.8	34.1
85°	20.4	20.6	20.1	20.4	19.4
87.5°	7.4	7.6	8.1	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)