

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: P737739

Luminaire Tested: **14PT-20-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737739
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-L930
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

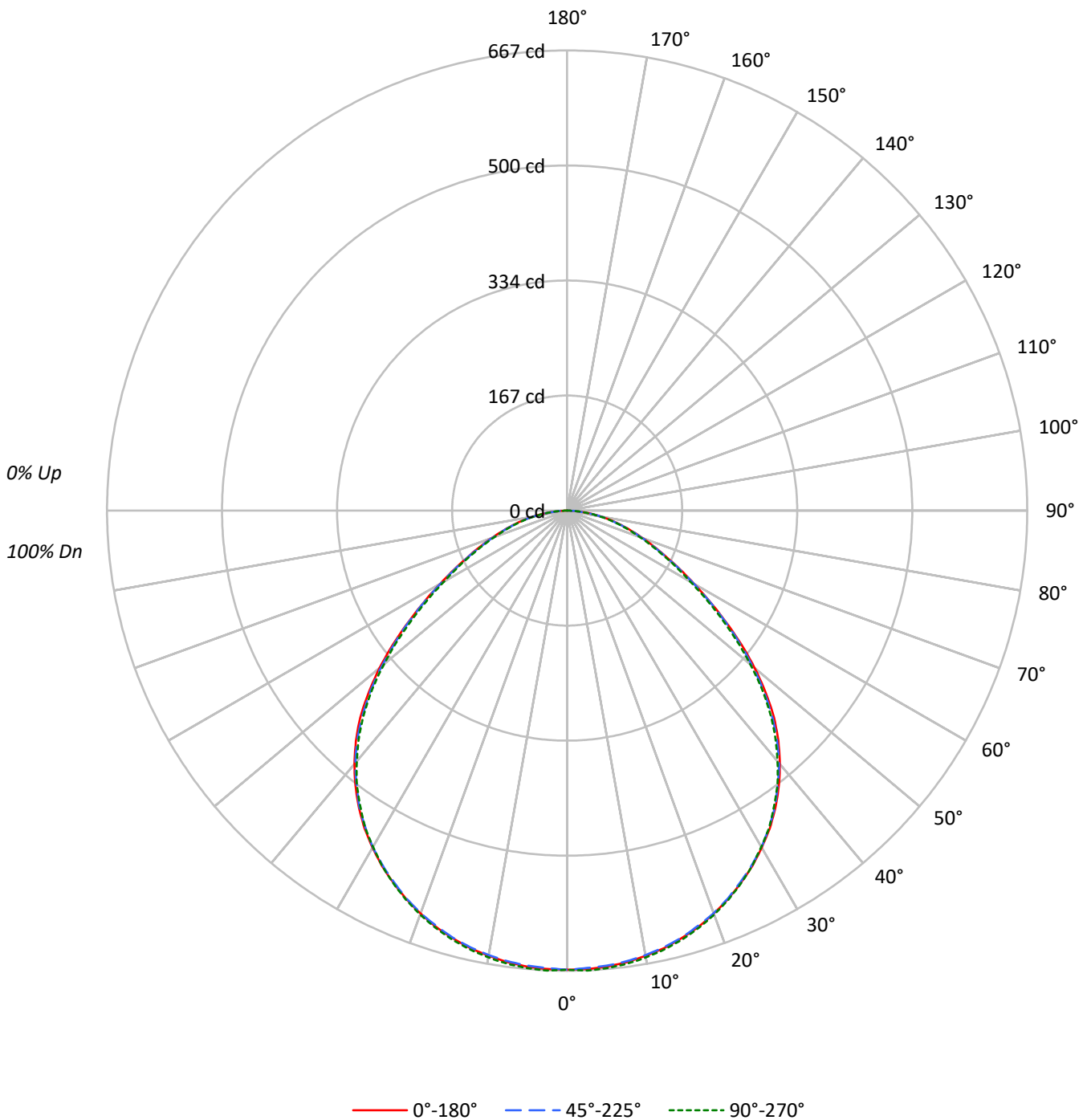
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1683.0 lumens
Efficiency: N/A
Efficacy: 103.9 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_{in}): 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	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°	1995	1995	1995
5°	1997	1993	2003
10°	1996	1992	2003
15°	1991	1989	1998
20°	1983	1981	1989
25°	1970	1966	1973
30°	1953	1950	1948
35°	1926	1921	1913
40°	1877	1870	1857
45°	1799	1779	1766
50°	1655	1637	1617
55°	1465	1459	1430
60°	1273	1269	1234
65°	1122	1115	1093
70°	1019	1004	983
75°	942	920	904
80°	862	848	820
85°	681	674	647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	3.8
10°-20°	181.2	10.8
20°-30°	274.5	16.3
30°-40°	327.7	19.5
40°-50°	322.3	19.1
50°-60°	249.1	14.8
60°-70°	157.1	9.3
70°-80°	84.9	5.0
80°-90°	23.2	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°	518.8	30.8
0°-40°	846.5	50.3
0°-60°	1417.8	84.2
0°-90°	1683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	664	664	662	665	666	63
15°	642	642	641	643	644	181
25°	596	596	594	596	596	274
35°	526	526	525	524	523	329
45°	424	423	420	416	416	325
55°	280	283	279	274	274	252
65°	158	158	157	155	154	159
75°	81	80	79	80	78	86
85°	20	20	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°	665.5	665.5	665.5	665.5	665.5
2.5°	665.2	665.5	663.6	666.7	667.4
5°	663.6	663.8	662.1	665.0	665.7
7.5°	660.2	660.7	659.0	661.9	662.6
10°	655.5	655.9	654.3	657.1	657.8
12.5°	649.5	649.7	648.3	650.9	651.6
15°	641.6	641.9	640.7	642.8	643.8
17.5°	632.6	632.8	631.1	633.8	634.2
20°	621.6	621.8	620.9	623.0	623.3
22.5°	609.4	609.9	608.5	610.4	610.6
25°	595.6	596.1	594.2	596.1	596.3
27.5°	581.0	581.3	579.6	581.0	580.8
30°	564.1	565.5	563.4	562.9	562.7
32.5°	546.5	546.7	544.5	544.1	545.0
35°	526.2	526.4	525.0	524.3	522.8
37.5°	504.0	504.0	501.4	500.9	500.7
40°	479.7	479.4	477.8	476.1	474.4
42.5°	453.2	453.7	450.3	447.5	447.0
45°	424.3	422.7	419.6	416.2	416.5
47.5°	390.2	390.7	386.4	383.8	383.1
50°	354.9	354.9	350.9	348.0	346.6
52.5°	318.0	318.2	314.4	310.6	309.8
55°	280.3	282.7	279.1	274.5	273.6
57.5°	245.0	246.9	243.5	238.8	238.5
60°	212.3	212.5	211.6	207.0	205.8
62.5°	184.4	183.2	182.7	180.3	178.9
65°	158.1	158.4	157.2	154.6	154.1
67.5°	136.9	136.7	134.5	132.9	131.9
70°	116.2	115.4	114.5	113.1	112.1
72.5°	97.6	97.6	96.8	96.4	94.7
75°	81.3	80.4	79.4	79.9	78.0
77.5°	65.8	64.9	64.2	63.2	62.7
80°	49.9	48.9	49.1	47.7	47.5
82.5°	34.6	34.6	34.1	32.9	33.2
85°	19.8	20.0	19.6	19.8	18.8
87.5°	7.2	7.4	7.9	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)