

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: P738053

Luminaire Tested: **22PT-20-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PL1-L940
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

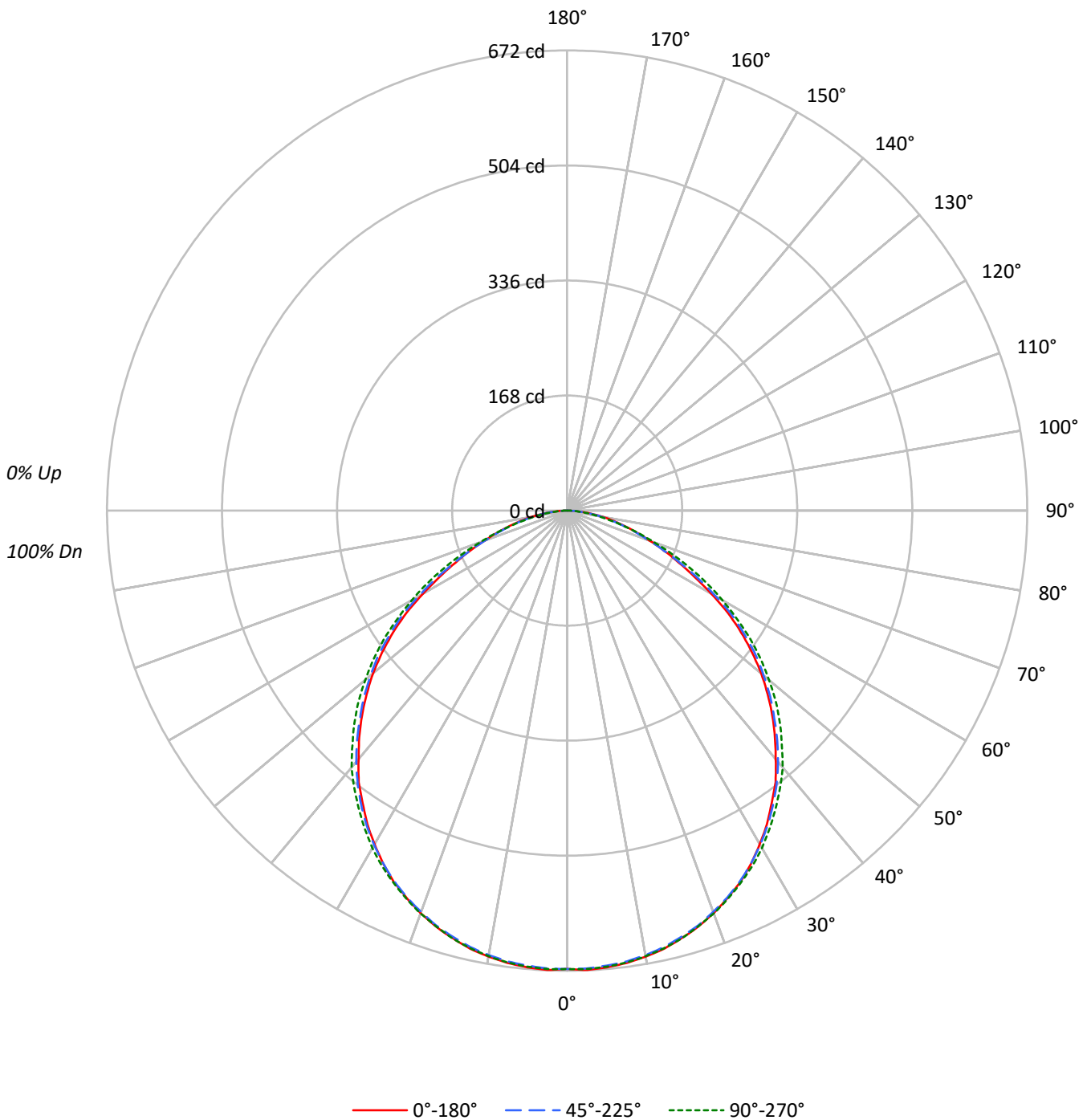
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1764.0 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	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	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°	1962	1962	1962
5°	1969	1962	1967
10°	1968	1961	1966
15°	1961	1955	1962
20°	1951	1944	1952
25°	1935	1931	1939
30°	1903	1907	1925
35°	1863	1876	1898
40°	1812	1833	1873
45°	1757	1772	1822
50°	1687	1708	1754
55°	1584	1616	1666
60°	1425	1472	1535
65°	1248	1273	1369
70°	1096	1085	1156
75°	985	944	948
80°	884	837	746
85°	699	693	568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	3.6
10°-20°	182.1	10.3
20°-30°	275.4	15.6
30°-40°	328.4	18.6
40°-50°	331.5	18.8
50°-60°	282.8	16.0
60°-70°	185.8	10.5
70°-80°	91.0	5.2
80°-90°	23.5	1.3
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°	521.0	29.5
0°-40°	849.3	48.1
0°-60°	1463.7	83.0
0°-90°	1764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	670	668	667	667	669	64
15°	646	645	644	645	647	182
25°	598	597	597	598	600	275
35°	521	522	524	528	531	326
45°	424	425	428	436	440	327
55°	310	312	316	324	326	276
65°	180	180	184	192	197	180
75°	87	86	83	83	84	93
85°	21	21	21	19	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	669.5	669.5	669.5	669.5	669.5
2.5°	671.5	670.1	669.2	668.7	670.1
5°	669.5	668.1	667.0	667.0	668.7
7.5°	666.4	665.0	664.2	663.9	665.6
10°	661.4	659.7	659.1	658.8	660.8
12.5°	655.4	652.9	652.9	652.6	654.6
15°	646.4	645.3	644.5	644.7	646.7
17.5°	637.1	636.0	635.4	635.4	636.6
20°	625.6	624.2	623.6	624.2	626.1
22.5°	612.3	611.5	611.5	612.1	613.5
25°	598.5	597.1	597.4	598.3	599.9
27.5°	581.6	581.4	581.4	583.3	585.3
30°	562.5	562.5	563.6	566.4	569.0
32.5°	543.1	542.8	545.0	547.6	550.4
35°	520.8	522.2	524.5	528.1	530.7
37.5°	500.0	499.7	502.5	509.0	510.7
40°	473.8	475.7	479.1	485.6	489.8
42.5°	449.3	450.7	453.8	461.4	464.2
45°	423.9	425.0	427.6	436.0	439.7
47.5°	397.1	398.6	402.2	409.3	413.5
50°	370.1	372.1	374.6	381.4	384.8
52.5°	340.5	343.1	347.6	353.8	356.3
55°	310.1	311.8	316.3	323.6	326.2
57.5°	278.3	279.7	286.2	291.5	293.5
60°	243.1	244.8	251.2	259.7	261.9
62.5°	209.8	211.2	216.9	227.0	230.4
65°	180.0	180.0	183.6	192.1	197.4
67.5°	153.5	152.9	153.5	160.0	165.6
70°	127.9	128.2	126.7	130.7	134.9
72.5°	106.8	106.8	103.9	104.5	107.9
75°	87.0	86.2	83.4	82.8	83.7
77.5°	69.6	68.2	65.9	64.2	62.2
80°	52.4	51.3	49.6	47.0	44.2
82.5°	36.6	35.5	34.4	33.0	30.1
85°	20.8	20.8	20.6	18.9	16.9
87.5°	8.4	8.2	7.9	7.6	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)