

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: P738037

Luminaire Tested: **22PT-20-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PB1-L940
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

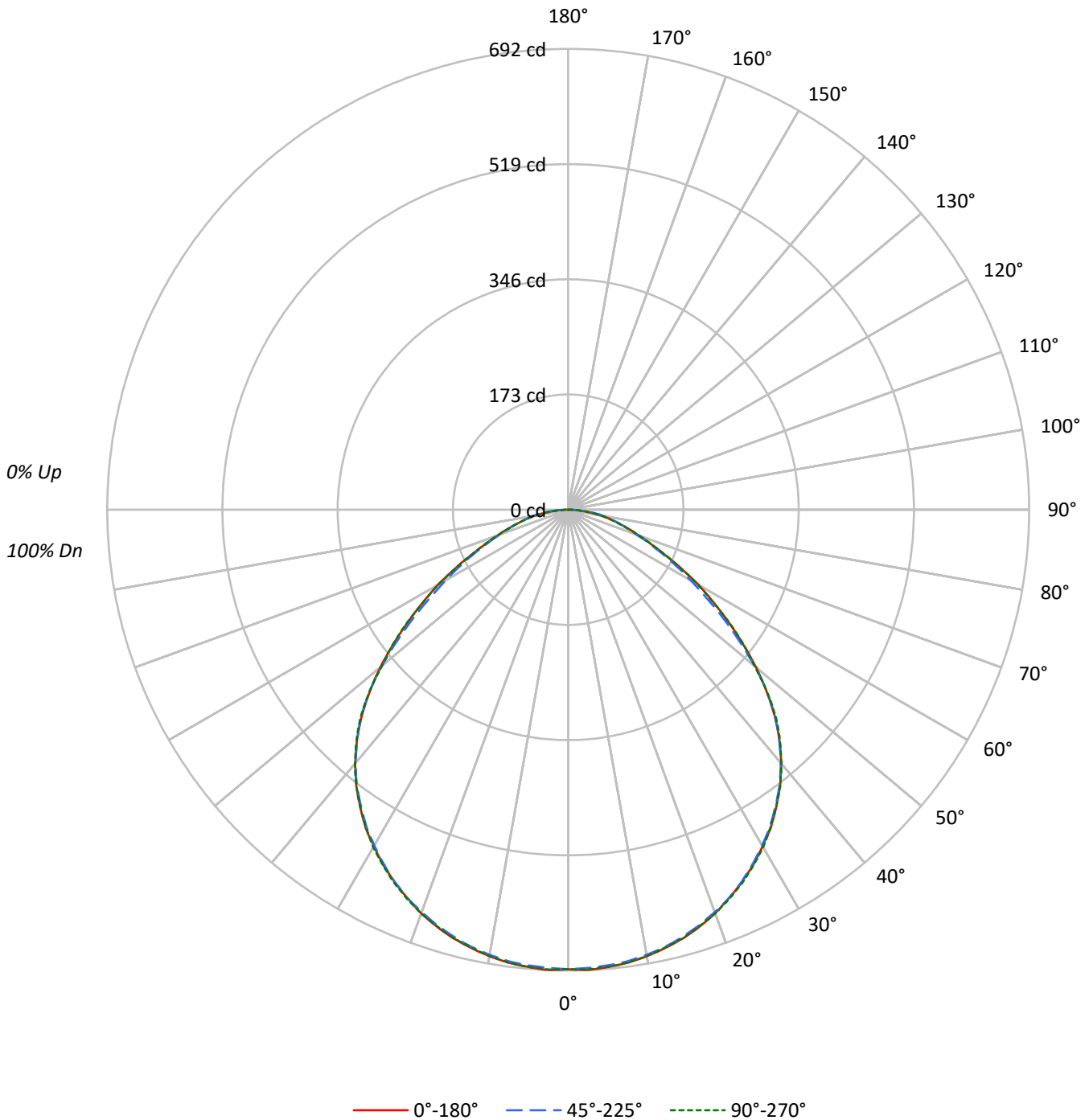
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1740.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
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	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2022	2022	2022
5°	2027	2021	2027
10°	2026	2019	2025
15°	2021	2014	2020
20°	2011	2005	2012
25°	1994	1992	1999
30°	1974	1969	1980
35°	1948	1941	1948
40°	1903	1898	1905
45°	1817	1820	1827
50°	1678	1664	1666
55°	1499	1449	1505
60°	1323	1243	1315
65°	1109	1074	1109
70°	961	935	966
75°	876	890	876
80°	823	894	828
85°	716	877	736



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	3.8
10°-20°	187.7	10.8
20°-30°	284.2	16.3
30°-40°	339.9	19.5
40°-50°	336.5	19.3
50°-60°	258.7	14.9
60°-70°	157.6	9.1
70°-80°	83.4	4.8
80°-90°	26.7	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°	537.3	30.9
0°-40°	877.1	50.4
0°-60°	1472.4	84.6
0°-90°	1740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	690	690	690	690	690	
5°	689	689	687	688	689	66
15°	666	665	664	665	666	188
25°	617	616	616	617	618	284
35°	544	544	543	544	544	340
45°	438	439	439	440	441	336
55°	293	290	284	289	295	263
65°	160	156	155	155	160	162
75°	77	77	79	78	77	83
85°	21	24	26	25	22	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.1	690.1	690.1	690.1	690.1
2.5°	691.8	690.7	688.7	690.1	691.0
5°	689.3	689.0	687.0	688.2	689.3
7.5°	686.2	685.4	684.0	685.1	685.9
10°	680.9	680.3	678.6	680.0	680.6
12.5°	674.1	673.6	672.4	673.6	673.3
15°	666.3	665.2	663.8	665.2	666.0
17.5°	656.5	655.3	654.2	655.1	655.6
20°	645.0	643.3	643.0	644.1	645.2
22.5°	631.2	631.2	630.9	631.8	632.3
25°	616.9	616.3	616.3	617.2	618.3
27.5°	601.5	600.4	599.8	601.2	602.0
30°	583.5	583.2	582.1	584.4	585.2
32.5°	566.1	563.3	563.9	565.0	565.3
35°	544.5	544.0	542.6	544.2	544.5
37.5°	522.6	522.4	521.5	522.1	522.4
40°	497.4	497.1	496.3	497.4	498.0
42.5°	469.3	468.8	468.8	469.6	470.5
45°	438.5	438.8	439.3	439.6	441.0
47.5°	404.0	404.5	405.1	404.5	404.8
50°	368.1	367.8	365.0	366.9	365.5
52.5°	330.2	326.0	323.7	328.2	331.3
55°	293.4	289.5	283.6	288.7	294.6
57.5°	258.1	251.4	245.2	251.1	257.0
60°	225.8	215.5	212.1	215.7	224.4
62.5°	191.3	184.0	182.9	183.5	191.0
65°	159.9	156.0	154.9	154.6	159.9
67.5°	134.1	131.6	130.2	131.3	134.7
70°	112.2	111.1	109.1	111.1	112.8
72.5°	94.3	94.0	92.3	94.0	93.4
75°	77.4	77.4	78.6	78.0	77.4
77.5°	63.1	63.7	65.6	64.0	62.3
80°	48.8	50.2	53.0	50.5	49.1
82.5°	34.8	37.9	41.0	37.9	35.9
85°	21.3	24.4	26.1	24.7	21.9
87.5°	9.3	10.9	11.5	10.7	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)