

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: P738069

Luminaire Tested: **22PT-20-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PR1-L940
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

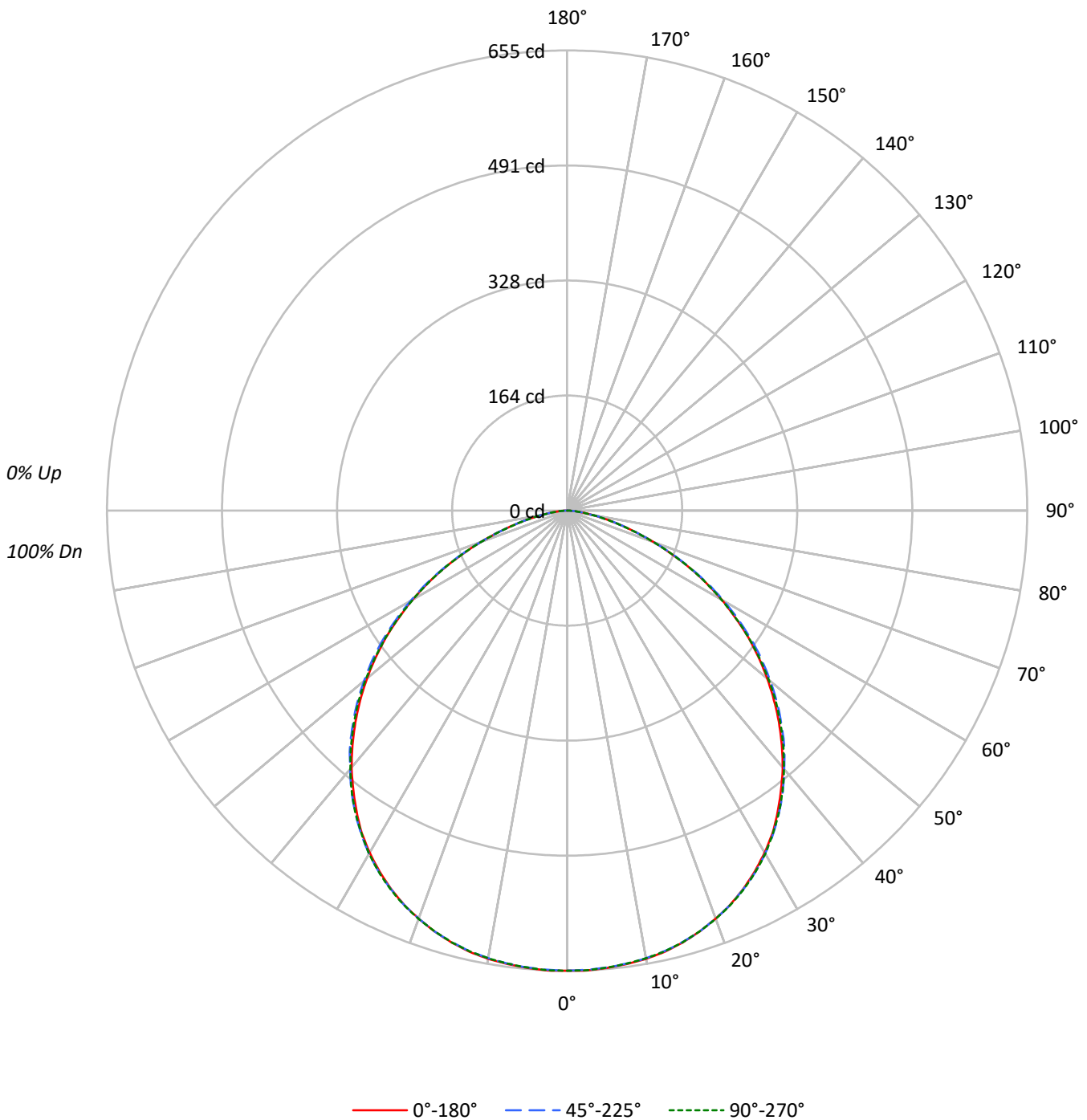
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1750.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1919	1919	1919
5°	1922	1920	1920
10°	1928	1925	1925
15°	1930	1928	1929
20°	1927	1927	1928
25°	1919	1921	1923
30°	1902	1908	1909
35°	1870	1880	1879
40°	1826	1839	1836
45°	1766	1789	1780
50°	1695	1721	1707
55°	1609	1634	1611
60°	1491	1512	1486
65°	1330	1344	1329
70°	1119	1119	1112
75°	877	877	867
80°	643	634	631
85°	420	420	427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.6
10°-20°	179.5	10.3
20°-30°	273.8	15.6
30°-40°	328.1	18.7
40°-50°	331.4	18.9
50°-60°	283.5	16.2
60°-70°	191.2	10.9
70°-80°	84.3	4.8
80°-90°	16.2	0.9
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°	515.4	29.4
0°-40°	843.5	48.2
0°-60°	1458.3	83.3
0°-90°	1750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	655	655	655	655	655	
5°	653	652	653	652	653	62
15°	636	636	636	635	636	180
25°	594	594	594	594	595	273
35°	523	526	526	525	525	327
45°	426	430	432	431	430	328
55°	315	318	320	320	315	281
65°	192	193	194	193	192	190
75°	78	78	78	78	77	84
85°	12	12	12	13	13	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	654.9	654.9	654.9	654.9	654.9
2.5°	655.3	654.5	654.2	654.0	654.9
5°	653.4	652.5	652.9	652.5	652.9
7.5°	651.0	650.1	650.3	649.9	650.3
10°	647.9	647.0	647.0	646.6	647.0
12.5°	643.1	642.5	642.2	641.8	642.5
15°	636.3	636.1	635.7	635.4	635.9
17.5°	628.0	627.6	628.0	627.3	627.8
20°	618.1	618.4	618.0	618.1	618.4
22.5°	607.0	607.0	607.2	607.2	607.7
25°	593.7	594.3	594.3	594.3	594.8
27.5°	578.8	579.7	580.3	579.8	580.3
30°	562.1	563.7	563.9	563.7	564.1
32.5°	544.2	545.3	545.9	545.5	545.0
35°	522.7	525.8	525.6	525.1	525.4
37.5°	500.2	503.3	504.3	503.5	503.7
40°	477.4	480.1	480.7	481.0	480.1
42.5°	452.3	455.4	457.8	456.7	455.4
45°	426.2	429.5	431.7	431.1	429.5
47.5°	399.3	402.4	405.5	404.3	402.9
50°	371.8	374.8	377.5	377.0	374.4
52.5°	343.5	347.0	349.4	348.6	345.1
55°	314.9	317.7	319.9	319.5	315.3
57.5°	283.8	287.5	288.6	287.9	284.9
60°	254.5	256.9	258.0	257.1	253.6
62.5°	223.2	225.2	226.0	225.8	223.4
65°	191.9	193.4	193.9	193.4	191.7
67.5°	159.8	161.9	162.2	162.2	160.4
70°	130.6	131.3	130.6	132.4	129.8
72.5°	102.4	102.8	102.4	102.4	101.3
75°	77.5	77.7	77.5	77.7	76.6
77.5°	56.0	56.4	55.6	56.3	55.1
80°	38.1	38.1	37.6	37.9	37.4
82.5°	23.6	24.1	23.4	23.4	23.2
85°	12.5	12.5	12.5	12.7	12.7
87.5°	4.4	4.4	4.6	4.6	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)