

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: P738076

Luminaire Tested: **22PT-20-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PW1-L935
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

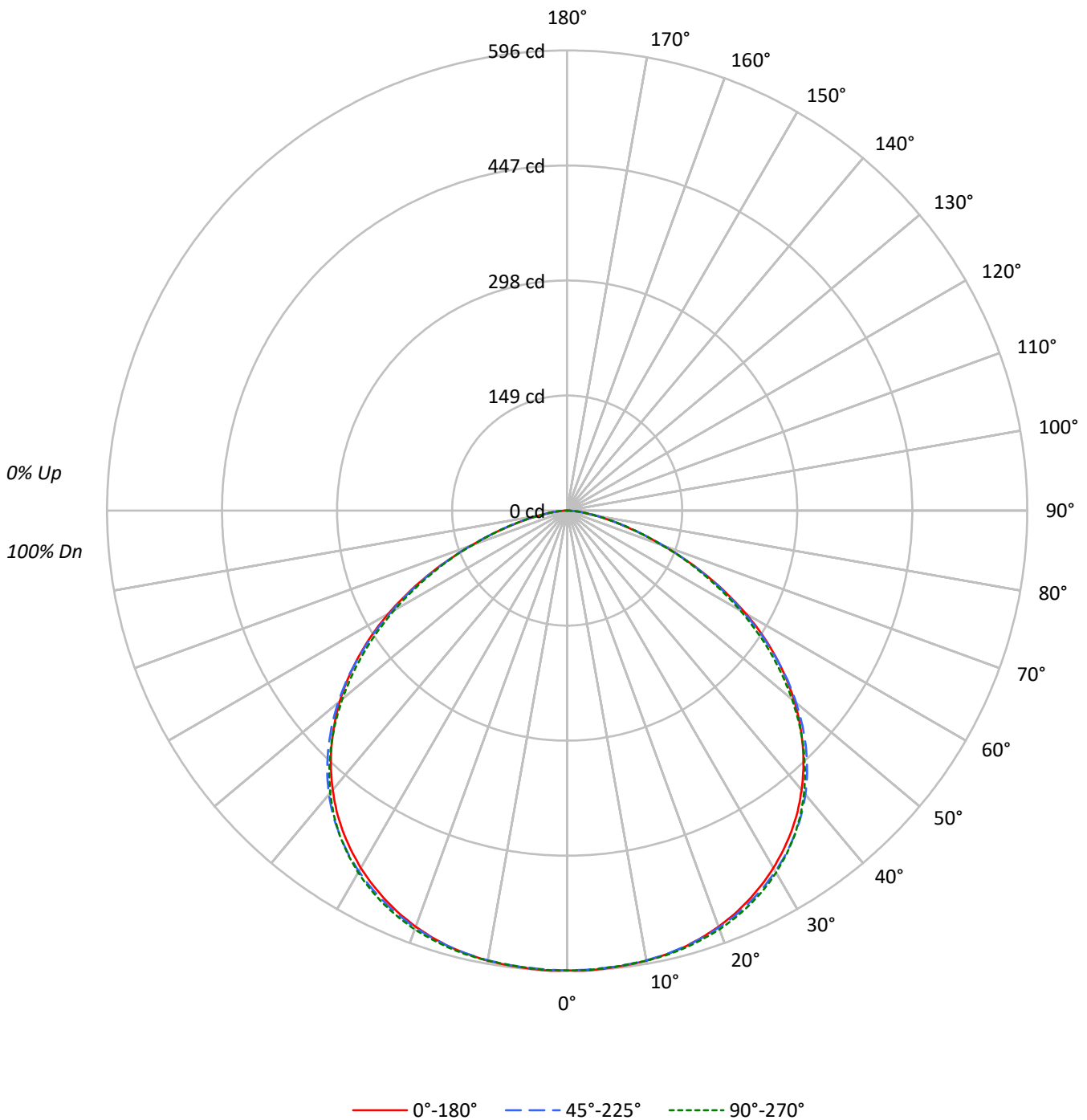
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1722.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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 (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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1745	1745	1745
5°	1750	1748	1748
10°	1762	1759	1761
15°	1775	1775	1780
20°	1789	1792	1800
25°	1799	1809	1818
30°	1808	1825	1832
35°	1812	1836	1837
40°	1807	1836	1826
45°	1789	1815	1793
50°	1753	1765	1733
55°	1685	1677	1645
60°	1568	1551	1518
65°	1383	1370	1344
70°	1133	1139	1115
75°	858	886	880
80°	623	646	636
85°	407	424	450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	3.3
10°-20°	165.4	9.6
20°-30°	257.9	15.0
30°-40°	319.7	18.6
40°-50°	334.5	19.4
50°-60°	291.5	16.9
60°-70°	195.3	11.3
70°-80°	84.6	4.9
80°-90°	16.3	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°	480.0	27.9
0°-40°	799.7	46.4
0°-60°	1425.8	82.8
0°-90°	1722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	595	594	594	594	594	57
15°	585	584	585	586	587	165
25°	557	557	560	561	562	257
35°	507	509	513	514	514	317
45°	432	434	438	434	433	332
55°	330	330	328	325	322	294
65°	200	198	198	196	194	197
75°	76	77	78	78	78	84
85°	12	13	13	13	13	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	595.7	595.7	595.7	595.7	595.7
2.5°	596.4	595.3	595.1	595.1	595.7
5°	595.1	594.4	594.2	594.0	594.4
7.5°	593.8	593.0	593.2	592.7	593.2
10°	592.1	591.3	591.3	591.3	591.9
12.5°	589.1	588.5	588.7	589.1	590.0
15°	585.3	584.4	585.1	585.7	586.8
17.5°	579.9	579.3	580.4	581.5	582.3
20°	573.6	572.9	574.8	576.4	577.2
22.5°	565.7	565.5	568.0	569.7	570.4
25°	556.6	556.7	559.7	561.4	562.3
27.5°	546.1	546.5	550.4	551.9	552.7
30°	534.4	535.4	539.5	540.8	541.4
32.5°	521.2	522.7	527.6	528.4	528.4
35°	506.7	508.6	513.3	513.9	513.5
37.5°	490.6	492.6	498.0	497.1	496.5
40°	472.4	474.8	480.1	478.4	477.4
42.5°	453.1	455.4	460.1	457.6	456.0
45°	431.8	434.1	438.0	434.3	432.6
47.5°	408.8	411.5	413.5	409.4	407.3
50°	384.5	385.4	387.3	382.6	380.2
52.5°	358.1	358.1	359.6	354.5	351.7
55°	329.8	329.6	328.3	324.7	322.1
57.5°	299.8	298.5	297.6	293.8	290.8
60°	267.6	265.7	264.6	261.5	259.1
62.5°	234.0	232.9	231.6	229.1	226.5
65°	199.5	198.4	197.6	195.7	193.8
67.5°	165.2	164.6	164.6	163.3	163.1
70°	132.2	132.6	132.9	132.9	130.1
72.5°	102.4	102.6	103.7	102.9	102.6
75°	75.8	77.1	78.3	77.7	77.7
77.5°	54.5	56.4	56.4	56.0	55.4
80°	36.9	37.7	38.3	38.1	37.7
82.5°	23.4	24.1	23.4	23.8	24.1
85°	12.1	13.0	12.6	12.8	13.4
87.5°	4.0	4.5	4.7	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)