

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: P738428

Luminaire Tested: **24PT-20-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PW1-L935
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

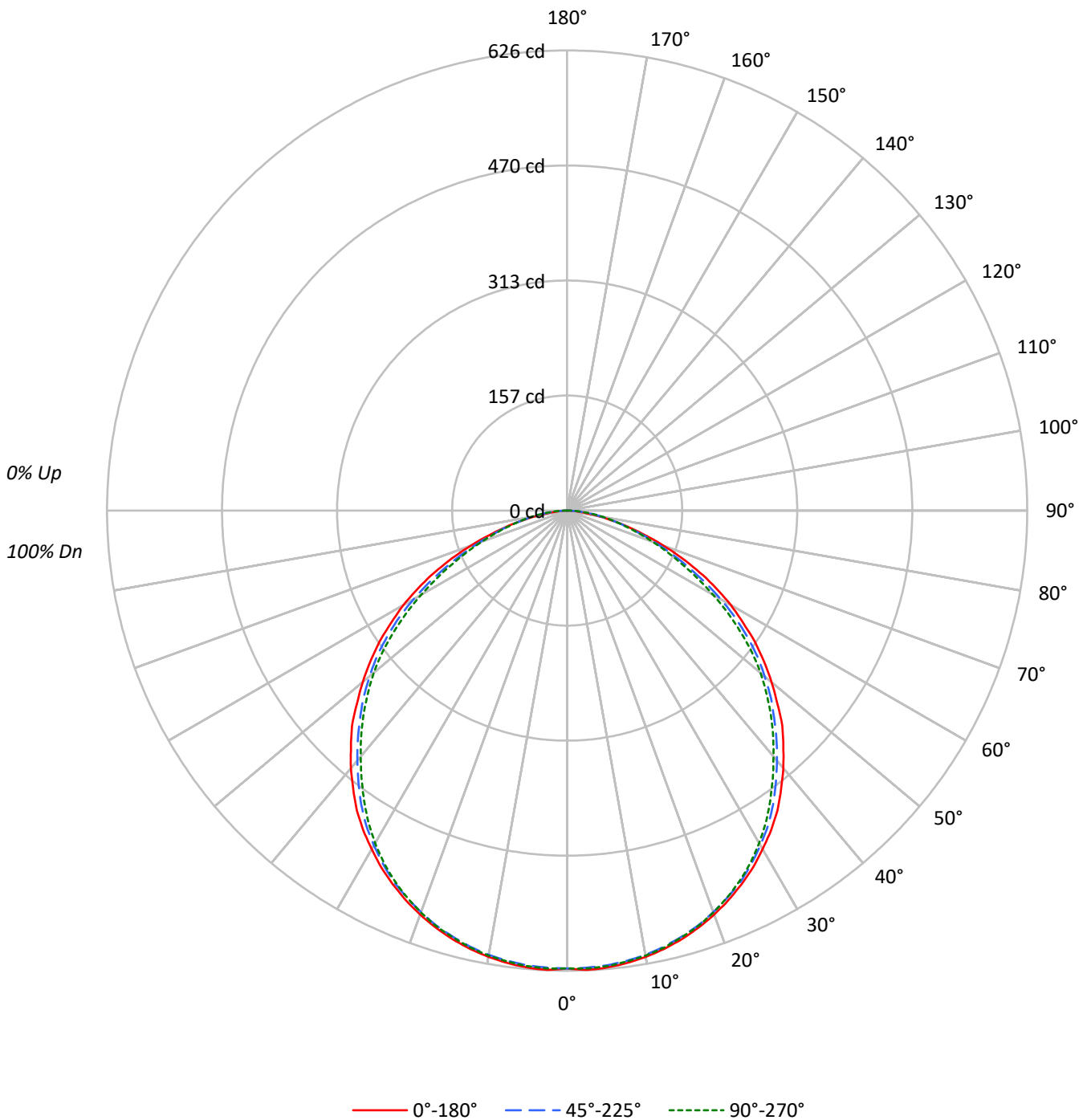
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	893	893	893
5°	898	894	896
10°	898	893	895
15°	896	891	892
20°	892	887	888
25°	888	882	879
30°	880	870	865
35°	873	855	843
40°	857	831	817
45°	840	807	794
50°	810	783	766
55°	780	747	720
60°	738	692	656
65°	675	616	585
70°	585	535	515
75°	479	461	455
80°	349	394	406
85°	234	329	350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	3.6
10°-20°	169.6	10.2
20°-30°	256.7	15.5
30°-40°	305.4	18.4
40°-50°	308.5	18.6
50°-60°	267.0	16.1
60°-70°	182.4	11.0
70°-80°	89.9	5.4
80°-90°	22.5	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°	485.4	29.2
0°-40°	790.8	47.6
0°-60°	1366.3	82.3
0°-90°	1661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	624	622	621	620	622	59
15°	604	602	600	600	601	170
25°	561	559	558	556	556	259
35°	498	494	488	483	482	311
45°	414	407	398	394	392	318
55°	312	308	299	292	288	278
65°	199	191	182	176	172	197
75°	86	84	83	83	82	92
85°	14	18	20	21	21	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	622.9	622.9	622.9	622.9	622.9
2.5°	625.5	623.1	622.4	621.9	623.5
5°	624.0	621.7	621.0	620.4	622.2
7.5°	621.0	618.6	617.9	617.4	618.8
10°	616.5	614.3	613.6	613.0	614.7
12.5°	610.7	608.7	607.8	607.1	608.9
15°	603.5	601.5	600.2	599.9	601.0
17.5°	594.8	592.9	592.0	591.4	592.7
20°	584.8	582.6	581.3	580.6	581.7
22.5°	573.6	571.4	569.8	569.1	569.5
25°	561.0	558.8	557.7	555.6	555.6
27.5°	547.5	545.0	542.3	539.9	540.1
30°	531.8	528.9	525.7	522.6	522.4
32.5°	516.0	512.4	508.4	504.3	503.0
35°	498.5	494.4	488.4	483.0	481.6
37.5°	478.0	474.2	466.3	461.8	459.4
40°	457.6	452.2	444.1	438.9	436.7
42.5°	435.3	430.1	421.4	416.6	414.8
45°	414.0	407.0	398.0	393.5	391.5
47.5°	387.6	381.8	375.5	370.3	367.7
50°	363.1	358.4	350.8	345.1	343.4
52.5°	337.5	333.5	326.3	318.8	317.0
55°	312.1	307.8	298.8	292.5	288.0
57.5°	283.5	279.7	271.2	263.1	259.2
60°	257.2	250.7	241.3	232.5	228.9
62.5°	228.5	222.2	211.4	202.4	200.4
65°	199.0	191.4	181.7	175.8	172.3
67.5°	169.1	161.7	153.6	149.8	147.7
70°	139.6	133.6	127.5	124.8	122.8
72.5°	111.1	107.7	104.3	103.2	101.4
75°	86.4	83.9	83.2	82.7	82.1
77.5°	62.3	63.6	64.3	65.0	64.3
80°	42.3	45.0	47.7	49.2	49.2
82.5°	26.1	30.8	33.1	34.6	34.4
85°	14.2	17.6	20.0	20.7	21.3
87.5°	5.8	7.2	8.1	8.8	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)