

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: P738430

Luminaire Tested: **24PT-20-PW1-L950**

Issue Date: 2/8/2024



**Test Information**

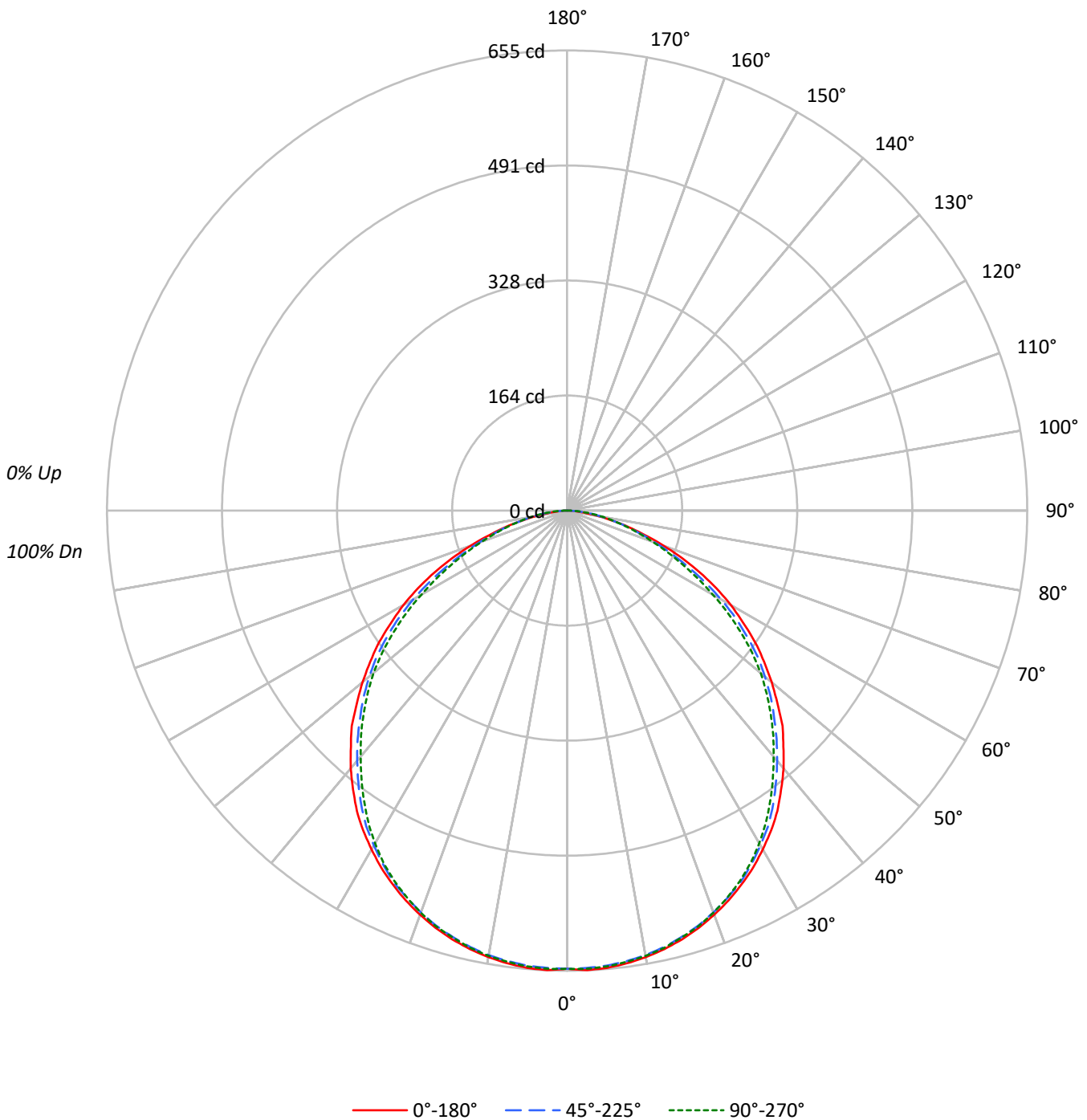
Test Method: LM-79-08  
Report Number: P738430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-20-PW1-L950  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1739.0 lumens  
Efficiency: N/A  
Efficacy: 115.2 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

TEST NUMBER: P738430  
CATALOG NUMBER: 24PT-20-PW1-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P738430

CATALOG NUMBER: 24PT-20-PW1-L950

**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°	935	935	935
5°	940	936	938
10°	940	935	937
15°	938	933	934
20°	934	929	929
25°	929	924	920
30°	922	911	906
35°	914	895	883
40°	897	870	856
45°	879	845	831
50°	848	819	802
55°	817	782	754
60°	772	725	687
65°	707	645	612
70°	612	560	539
75°	501	483	476
80°	366	413	425
85°	245	344	365



TEST NUMBER: P738430

CATALOG NUMBER: 24PT-20-PW1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	3.6
10°-20°	177.6	10.2
20°-30°	268.8	15.5
30°-40°	319.8	18.4
40°-50°	323.0	18.6
50°-60°	279.5	16.1
60°-70°	190.9	11.0
70°-80°	94.1	5.4
80°-90°	23.5	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°	508.2	29.2
0°-40°	828.0	47.6
0°-60°	1430.5	82.3
0°-90°	1739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1739.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	653	651	650	650	651	62
15°	632	630	628	628	629	178
25°	587	585	584	582	582	271
35°	522	518	511	506	504	326
45°	434	426	417	412	410	333
55°	327	322	313	306	302	291
65°	208	200	190	184	180	206
75°	90	88	87	86	86	97
85°	15	18	21	22	22	19
90°	0	0	0	0	0	



TEST NUMBER: P738430

CATALOG NUMBER: 24PT-20-PW1-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	652.2	652.2	652.2	652.2	652.2
2.5°	654.8	652.4	651.6	651.1	652.8
5°	653.3	650.9	650.1	649.6	651.4
7.5°	650.1	647.7	646.9	646.3	647.9
10°	645.4	643.1	642.4	641.8	643.5
12.5°	639.4	637.3	636.4	635.6	637.5
15°	631.8	629.8	628.4	628.1	629.2
17.5°	622.8	620.7	619.8	619.2	620.5
20°	612.2	610.0	608.6	607.9	609.0
22.5°	600.5	598.3	596.6	595.8	596.2
25°	587.3	585.1	583.9	581.7	581.7
27.5°	573.2	570.6	567.7	565.3	565.5
30°	556.8	553.8	550.4	547.2	547.0
32.5°	540.2	536.4	532.3	527.9	526.6
35°	521.9	517.6	511.3	505.7	504.2
37.5°	500.4	496.5	488.2	483.4	481.0
40°	479.1	473.4	465.0	459.5	457.2
42.5°	455.7	450.3	441.2	436.1	434.2
45°	433.5	426.1	416.7	412.0	409.9
47.5°	405.8	399.7	393.1	387.7	385.0
50°	380.1	375.2	367.3	361.3	359.6
52.5°	353.3	349.2	341.7	333.7	331.8
55°	326.8	322.2	312.8	306.2	301.5
57.5°	296.8	292.8	284.0	275.5	271.3
60°	269.2	262.5	252.7	243.4	239.6
62.5°	239.3	232.7	221.4	211.9	209.9
65°	208.3	200.4	190.2	184.0	180.4
67.5°	177.0	169.3	160.8	156.9	154.6
70°	146.1	139.9	133.5	130.7	128.6
72.5°	116.3	112.8	109.2	108.0	106.2
75°	90.5	87.9	87.1	86.5	86.0
77.5°	65.2	66.6	67.3	68.1	67.3
80°	44.3	47.1	50.0	51.5	51.5
82.5°	27.3	32.2	34.7	36.2	36.0
85°	14.9	18.5	20.9	21.7	22.2
87.5°	6.0	7.5	8.5	9.2	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)