

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: P738422

Luminaire Tested: **24PT-20-PR1-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-20-PR1-L950  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

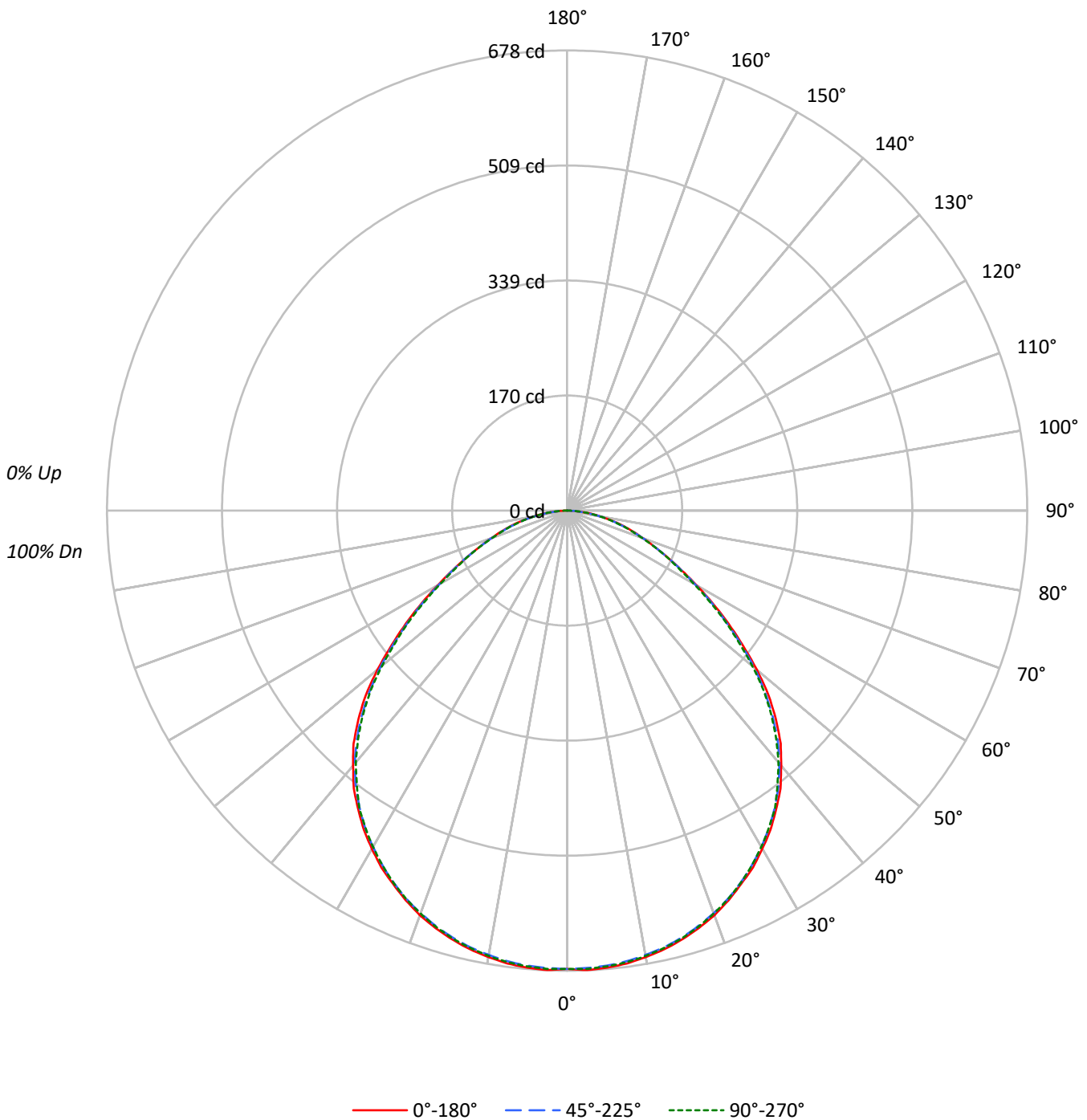
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1720.0 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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 (A<sub>in</sub>): 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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	968	968	968
5°	973	969	970
10°	973	968	970
15°	971	967	969
20°	968	963	964
25°	960	957	958
30°	953	947	947
35°	940	934	935
40°	918	910	907
45°	882	867	863
50°	814	802	795
55°	724	714	709
60°	631	625	618
65°	553	554	551
70°	498	496	489
75°	464	450	452
80°	415	406	406
85°	319	329	316



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.1	3.7
10°-20°	184.0	10.7
20°-30°	278.9	16.2
30°-40°	333.6	19.4
40°-50°	329.4	19.1
50°-60°	256.3	14.9
60°-70°	162.7	9.5
70°-80°	87.3	5.1
80°-90°	23.7	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°	526.9	30.6
0°-40°	860.5	50.0
0°-60°	1446.2	84.1
0°-90°	1720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1720.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	675	675	675	675	675	
5°	676	674	673	673	674	64
15°	654	652	651	651	653	185
25°	607	606	605	604	605	280
35°	537	536	534	532	534	336
45°	435	432	428	426	426	334
55°	290	288	286	284	284	260
65°	163	164	163	161	162	164
75°	84	82	81	81	82	88
85°	19	20	20	20	19	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	675.4	675.4	675.4	675.4	675.4
2.5°	677.6	675.4	674.6	674.2	675.9
5°	675.9	673.9	673.1	672.7	674.2
7.5°	673.1	670.7	669.9	669.5	671.2
10°	668.0	665.8	664.8	664.8	666.3
12.5°	662.0	660.1	659.2	658.4	660.1
15°	654.3	652.0	651.4	650.7	652.6
17.5°	645.0	642.8	642.0	641.6	642.9
20°	634.5	631.6	631.3	631.1	631.8
22.5°	621.4	619.9	619.2	618.8	619.4
25°	606.9	605.8	605.0	603.9	605.4
27.5°	592.8	591.3	589.4	588.5	589.4
30°	575.4	573.6	572.2	571.9	572.2
32.5°	557.5	555.6	553.9	553.8	553.6
35°	536.8	535.7	533.6	531.9	534.2
37.5°	516.2	513.6	511.7	509.6	509.1
40°	490.6	489.7	486.4	484.6	484.4
42.5°	465.7	461.4	459.1	457.8	455.7
45°	434.8	431.8	427.8	425.7	425.5
47.5°	402.5	398.8	395.0	392.2	392.9
50°	364.8	363.1	359.6	357.1	356.2
52.5°	326.0	325.6	321.8	320.3	318.6
55°	289.8	288.3	285.6	283.8	283.8
57.5°	254.2	252.8	251.5	247.9	247.9
60°	220.2	220.0	217.8	215.7	215.5
62.5°	189.9	191.0	188.9	186.8	185.7
65°	163.1	163.7	163.3	161.2	162.3
67.5°	139.5	139.7	139.0	137.8	138.6
70°	118.8	119.7	118.4	117.7	116.7
72.5°	100.7	100.3	99.2	99.7	98.4
75°	83.7	82.4	81.3	81.1	81.5
77.5°	66.7	66.4	65.4	65.4	64.9
80°	50.2	49.8	49.2	49.4	49.2
82.5°	35.6	34.7	33.9	34.3	34.5
85°	19.4	19.8	20.0	20.0	19.2
87.5°	7.9	7.7	7.9	8.3	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)