

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: P738051

Luminaire Tested: **22PT-20-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

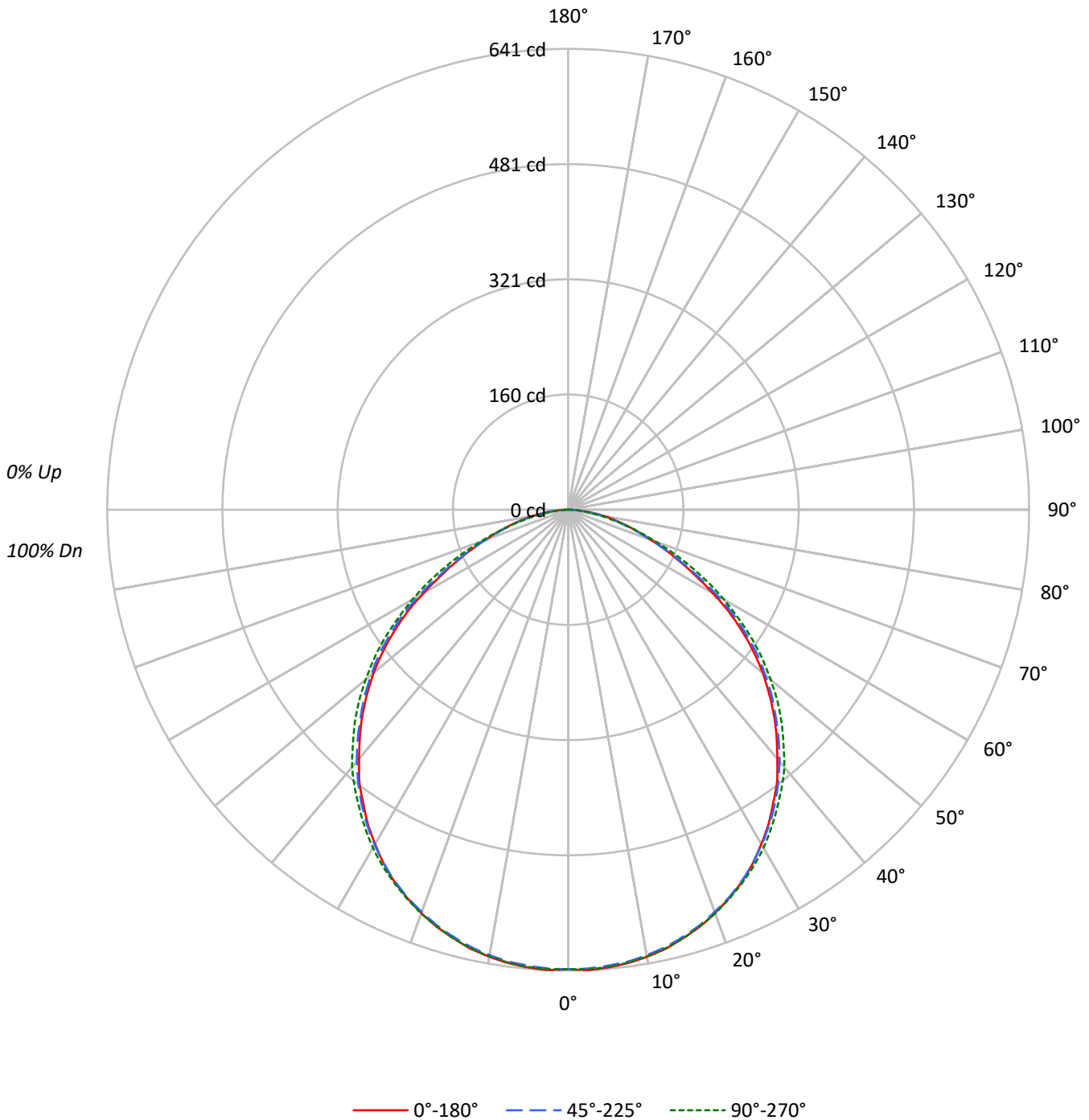
Test Method: LM-79-08  
Report Number: P738051  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PL1-L930  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1684.0 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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

TEST NUMBER: P738051  
CATALOG NUMBER: 22PT-20-PL1-L930

### 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	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	1873	1873	1873
5°	1880	1873	1878
10°	1879	1872	1877
15°	1872	1866	1873
20°	1862	1856	1864
25°	1847	1844	1852
30°	1817	1821	1838
35°	1778	1791	1812
40°	1730	1750	1789
45°	1677	1691	1739
50°	1610	1630	1674
55°	1513	1543	1591
60°	1360	1406	1466
65°	1191	1215	1307
70°	1046	1037	1103
75°	941	901	905
80°	844	798	712
85°	669	659	541



TEST NUMBER: P738051

CATALOG NUMBER: 22PT-20-PL1-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	3.6
10°-20°	173.8	10.3
20°-30°	262.9	15.6
30°-40°	313.5	18.6
40°-50°	316.5	18.8
50°-60°	270.0	16.0
60°-70°	177.4	10.5
70°-80°	86.9	5.2
80°-90°	22.4	1.3
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°	497.4	29.5
0°-40°	810.8	48.1
0°-60°	1397.3	83.0
0°-90°	1684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1684.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	639	639	639	639	639	
5°	639	638	637	637	638	61
15°	617	616	615	616	617	174
25°	571	570	570	571	573	263
35°	497	498	501	504	507	311
45°	405	406	408	416	420	312
55°	296	298	302	309	311	264
65°	172	172	175	183	188	172
75°	83	82	80	79	80	89
85°	20	20	20	18	16	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	639.2	639.2	639.2	639.2	639.2
2.5°	641.0	639.7	638.9	638.4	639.7
5°	639.2	637.8	636.7	636.7	638.4
7.5°	636.2	634.9	634.0	633.8	635.4
10°	631.4	629.7	629.2	628.9	630.8
12.5°	625.7	623.3	623.3	623.0	624.9
15°	617.1	616.0	615.2	615.5	617.4
17.5°	608.2	607.2	606.6	606.6	607.7
20°	597.2	595.9	595.3	595.9	597.7
22.5°	584.6	583.8	583.8	584.3	585.6
25°	571.4	570.1	570.3	571.1	572.7
27.5°	555.3	555.0	555.0	556.9	558.8
30°	537.0	537.0	538.1	540.7	543.2
32.5°	518.4	518.2	520.3	522.7	525.4
35°	497.2	498.5	500.7	504.2	506.6
37.5°	477.3	477.0	479.7	485.9	487.5
40°	452.3	454.2	457.4	463.6	467.6
42.5°	428.9	430.2	433.2	440.4	443.1
45°	404.7	405.8	408.2	416.2	419.7
47.5°	379.1	380.5	384.0	390.7	394.7
50°	353.3	355.2	357.6	364.1	367.3
52.5°	325.1	327.5	331.8	337.7	340.1
55°	296.1	297.7	302.0	309.0	311.4
57.5°	265.7	267.0	273.2	278.3	280.2
60°	232.1	233.7	239.9	247.9	250.1
62.5°	200.3	201.7	207.0	216.7	220.0
65°	171.8	171.8	175.3	183.4	188.5
67.5°	146.5	146.0	146.5	152.7	158.1
70°	122.1	122.3	121.0	124.8	128.8
72.5°	101.9	101.9	99.2	99.8	103.0
75°	83.1	82.3	79.6	79.1	79.9
77.5°	66.4	65.1	62.9	61.3	59.4
80°	50.0	48.9	47.3	44.9	42.2
82.5°	35.0	33.9	32.8	31.5	28.8
85°	19.9	19.9	19.6	18.0	16.1
87.5°	8.1	7.8	7.5	7.3	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)