

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: P738451

Luminaire Tested: **24PT-30-PR1-L930**

Issue Date: 2/8/2024



**Test Information**

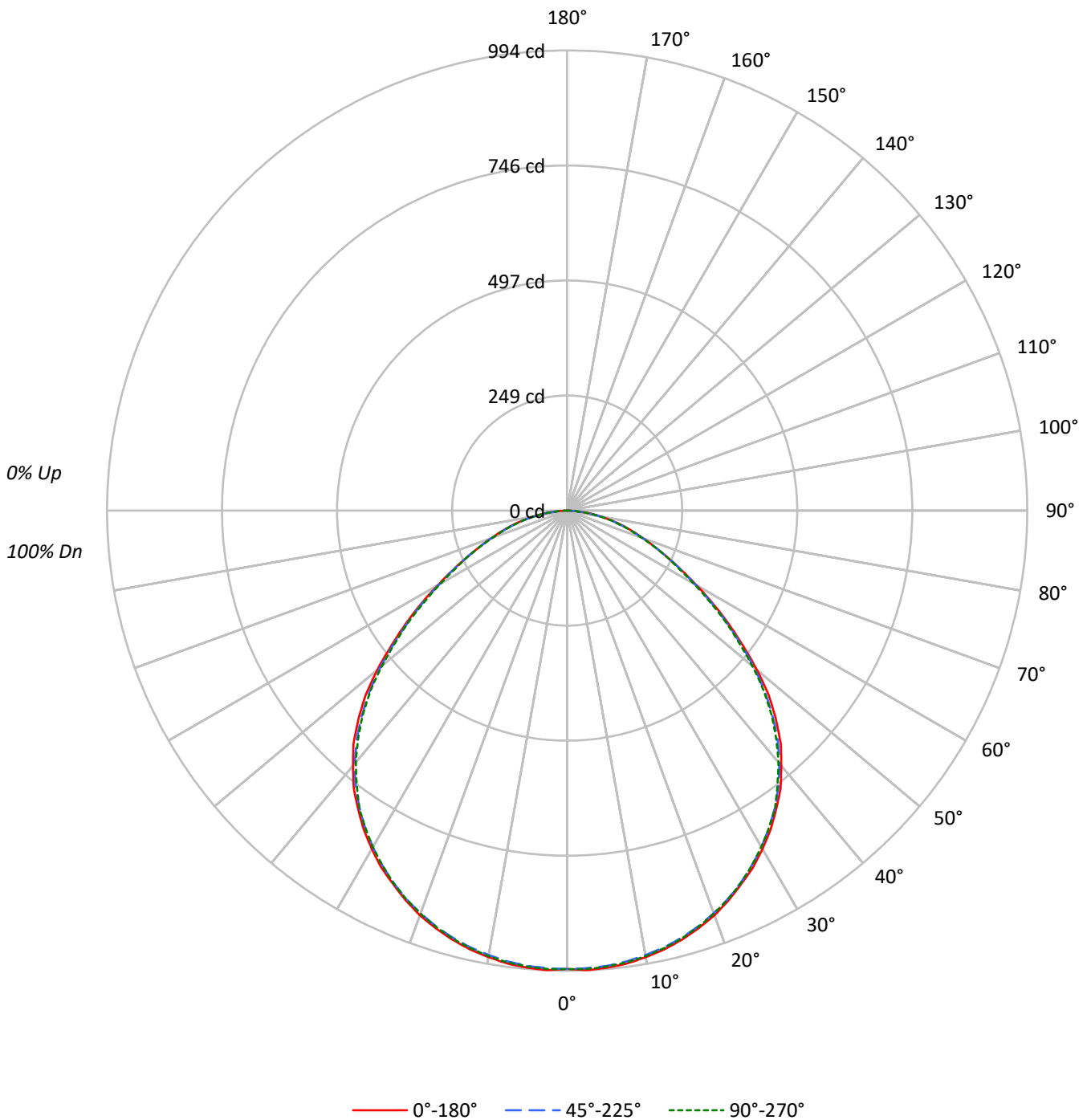
Test Method: LM-79-08  
Report Number: P738451  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PR1-L930  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2522.0 lumens  
Efficiency: N/A  
Efficacy: 106.0 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): 23.8  
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: P738451  
CATALOG NUMBER: 24PT-30-PR1-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P738451

CATALOG NUMBER: 24PT-30-PR1-L930

**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°	1420	1420	1420
5°	1427	1421	1423
10°	1426	1419	1422
15°	1424	1418	1420
20°	1420	1412	1414
25°	1408	1404	1404
30°	1397	1389	1389
35°	1378	1370	1371
40°	1347	1335	1329
45°	1293	1272	1265
50°	1193	1176	1165
55°	1062	1047	1040
60°	926	916	906
65°	811	812	807
70°	730	728	717
75°	680	660	661
80°	607	596	596
85°	469	482	464



TEST NUMBER: P738451

CATALOG NUMBER: 24PT-30-PR1-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.9	3.7
10°-20°	269.7	10.7
20°-30°	409.0	16.2
30°-40°	489.1	19.4
40°-50°	482.9	19.1
50°-60°	375.9	14.9
60°-70°	238.6	9.5
70°-80°	128.1	5.1
80°-90°	34.7	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°	772.6	30.6
0°-40°	1261.8	50.0
0°-60°	2120.6	84.1
0°-90°	2522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2522.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	991	988	987	986	989	94
15°	959	956	955	954	957	271
25°	890	888	887	886	888	410
35°	787	785	782	780	783	492
45°	638	633	627	624	624	489
55°	425	423	419	416	416	381
65°	239	240	239	236	238	240
75°	123	121	119	119	119	130
85°	28	29	29	29	28	35
90°	0	0	0	0	0	



TEST NUMBER: P738451

CATALOG NUMBER: 24PT-30-PR1-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	990.3	990.3	990.3	990.3	990.3
2.5°	993.6	990.3	989.2	988.6	991.1
5°	991.1	988.1	987.0	986.4	988.6
7.5°	987.0	983.4	982.3	981.7	984.2
10°	979.5	976.2	974.8	974.8	977.0
12.5°	970.7	967.9	966.5	965.4	967.9
15°	959.3	956.0	955.2	954.1	956.8
17.5°	945.8	942.5	941.4	940.8	942.7
20°	930.3	926.1	925.6	925.3	926.4
22.5°	911.2	909.0	907.9	907.3	908.2
25°	889.9	888.3	887.2	885.5	887.7
27.5°	869.2	867.0	864.2	862.8	864.2
30°	843.8	841.0	839.1	838.5	839.1
32.5°	817.5	814.7	812.2	812.0	811.7
35°	787.1	785.4	782.4	779.9	783.2
37.5°	757.0	753.1	750.3	747.3	746.4
40°	719.4	718.0	713.3	710.5	710.2
42.5°	682.9	676.5	673.2	671.2	668.2
45°	637.5	633.1	627.3	624.2	624.0
47.5°	590.2	584.7	579.2	575.0	576.1
50°	535.0	532.5	527.2	523.6	522.2
52.5°	478.0	477.4	471.9	469.7	467.2
55°	424.9	422.7	418.8	416.1	416.1
57.5°	372.7	370.7	368.8	363.5	363.5
60°	322.9	322.6	319.3	316.3	316.0
62.5°	278.4	280.1	277.0	274.0	272.3
65°	239.1	240.0	239.4	236.4	238.0
67.5°	204.6	204.9	203.8	202.1	203.2
70°	174.2	175.6	173.6	172.5	171.1
72.5°	147.6	147.1	145.4	146.2	144.3
75°	122.7	120.8	119.2	118.9	119.4
77.5°	97.9	97.3	95.9	95.9	95.1
80°	73.5	73.0	72.2	72.4	72.2
82.5°	52.3	50.9	49.8	50.3	50.6
85°	28.5	29.0	29.3	29.3	28.2
87.5°	11.6	11.3	11.6	12.2	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)