

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: P738445

Luminaire Tested: **24PT-30-PL1-L940**

Issue Date: 2/8/2024



**Test Information**

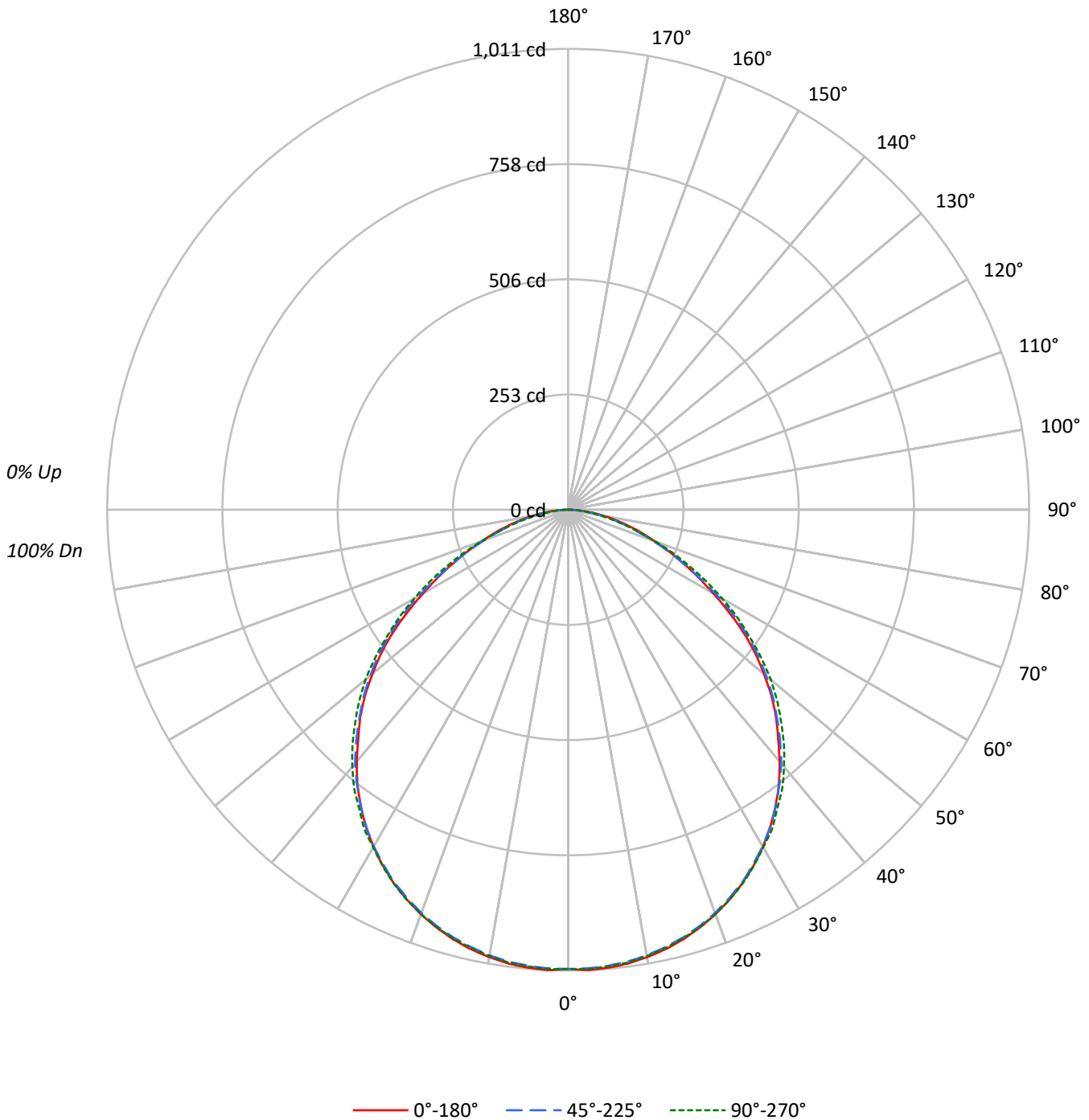
Test Method: LM-79-08  
Report Number: P738445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PL1-L940  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2667.0 lumens  
Efficiency: N/A  
Efficacy: 112.1 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: P738445  
CATALOG NUMBER: 24PT-30-PL1-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P738445

CATALOG NUMBER: 24PT-30-PL1-L940

**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	70	65	74	69	64	71	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	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	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	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	1445	1445	1445
5°	1452	1446	1448
10°	1451	1445	1448
15°	1448	1442	1445
20°	1441	1437	1440
25°	1431	1427	1432
30°	1414	1412	1416
35°	1388	1389	1399
40°	1350	1360	1379
45°	1308	1314	1340
50°	1249	1264	1294
55°	1173	1195	1213
60°	1053	1079	1119
65°	942	944	995
70°	840	817	846
75°	759	714	701
80°	675	629	555
85°	553	525	434



TEST NUMBER: P738445

CATALOG NUMBER: 24PT-30-PL1-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.6	3.6
10°-20°	274.4	10.3
20°-30°	415.8	15.6
30°-40°	496.9	18.6
40°-50°	501.2	18.8
50°-60°	425.2	15.9
60°-70°	281.3	10.5
70°-80°	139.6	5.2
80°-90°	37.0	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°	785.8	29.5
0°-40°	1282.6	48.1
0°-60°	2209.1	82.8
0°-90°	2667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2667.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1008	1008	1008	1008	1008	
5°	1009	1005	1004	1004	1006	96
15°	976	972	972	972	974	275
25°	904	902	902	902	905	416
35°	793	792	793	798	799	495
45°	645	644	648	657	661	496
55°	469	470	478	482	485	417
65°	278	277	278	287	293	277
75°	137	133	129	125	127	147
85°	34	34	32	29	26	40
90°	0	0	0	0	0	



TEST NUMBER: P738445

CATALOG NUMBER: 24PT-30-PL1-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1007.6	1007.6	1007.6	1007.6	1007.6
2.5°	1011.1	1007.9	1007.0	1006.4	1008.7
5°	1008.7	1005.3	1004.4	1003.8	1005.8
7.5°	1004.1	1000.3	999.8	999.2	1001.8
10°	996.6	993.1	992.5	991.9	994.3
12.5°	987.6	984.1	983.0	983.3	984.7
15°	975.7	972.5	971.7	971.7	973.7
17.5°	961.0	958.1	957.5	957.2	959.8
20°	944.4	941.5	941.5	942.4	943.9
22.5°	925.6	923.6	922.4	923.0	925.9
25°	904.2	902.2	902.2	901.9	905.1
27.5°	880.4	877.8	877.8	880.1	881.3
30°	853.8	851.5	852.6	854.4	855.5
32.5°	825.1	823.7	824.5	827.1	831.8
35°	793.0	791.8	793.3	797.6	799.3
37.5°	759.4	758.5	760.5	766.3	771.3
40°	721.1	721.1	726.7	731.9	736.5
42.5°	681.5	684.1	688.1	696.2	700.3
45°	645.0	644.1	647.9	656.6	660.6
47.5°	604.4	603.6	609.1	615.1	621.8
50°	560.1	559.8	566.5	571.7	580.1
52.5°	517.0	519.6	523.9	528.6	533.5
55°	469.2	470.3	477.9	482.2	485.1
57.5°	417.6	421.4	430.7	437.0	439.6
60°	367.2	369.6	376.2	387.5	390.1
62.5°	321.5	322.3	326.4	339.1	342.6
65°	277.7	277.2	278.3	287.0	293.4
67.5°	238.1	235.7	235.7	240.4	248.2
70°	200.4	196.9	194.9	196.4	201.9
72.5°	168.8	164.2	159.0	158.1	161.6
75°	137.0	133.2	128.9	124.8	126.6
77.5°	109.2	106.0	101.9	97.3	95.0
80°	81.7	80.5	76.2	71.8	67.2
82.5°	57.1	56.2	53.3	49.8	46.9
85°	33.6	33.6	31.9	29.3	26.4
87.5°	15.1	14.5	15.1	12.7	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)