

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: P738453

Luminaire Tested: **24PT-30-PR1-L940**

Issue Date: 2/8/2024



**Test Information**

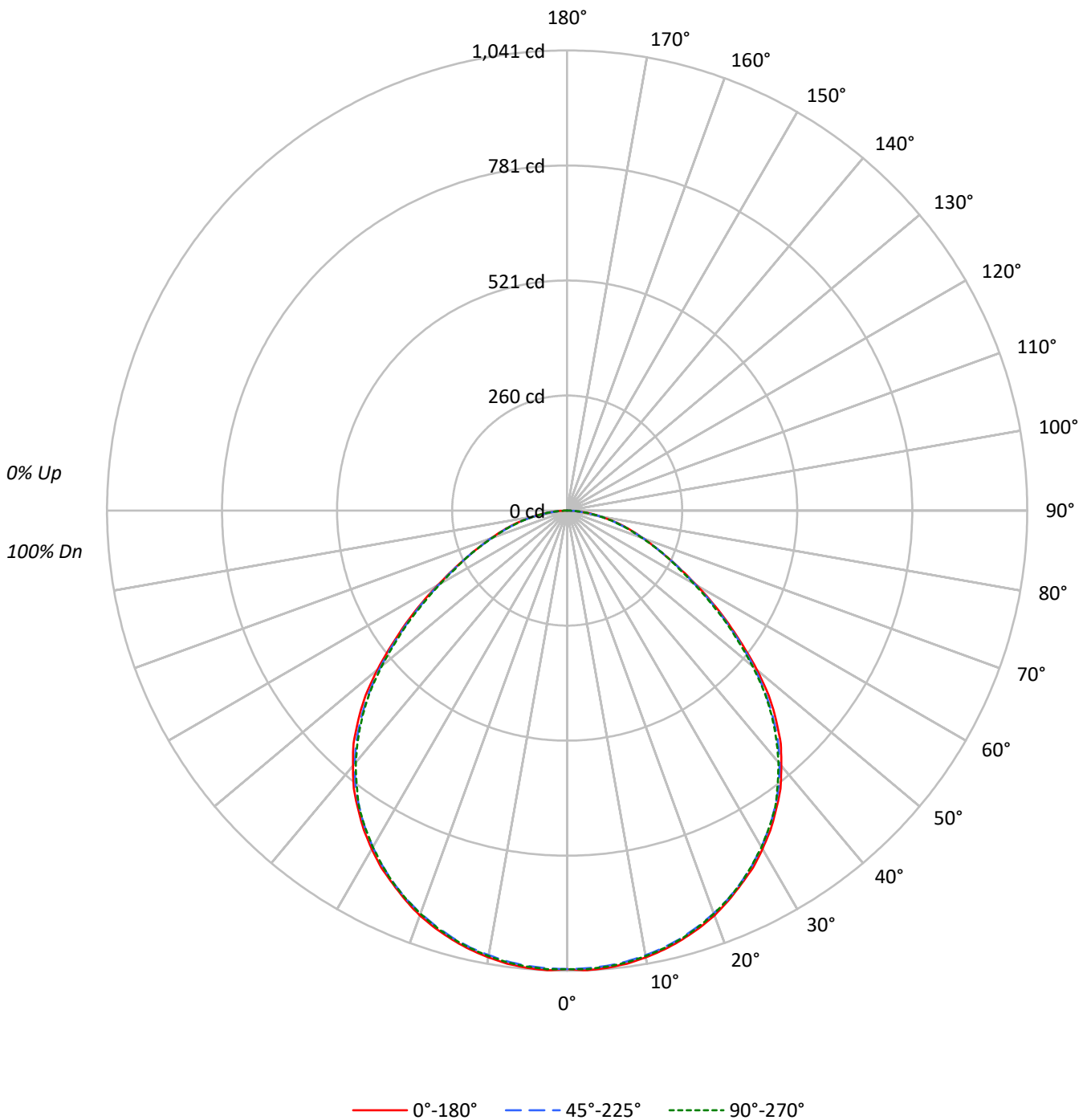
Test Method: LM-79-08  
Report Number: P738453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PR1-L940  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2642.0 lumens  
Efficiency: N/A  
Efficacy: 111.0 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 (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

TEST NUMBER: P738453  
CATALOG NUMBER: 24PT-30-PR1-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P738453

CATALOG NUMBER: 24PT-30-PR1-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	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					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°	1487	1487	1487
5°	1494	1488	1491
10°	1494	1487	1490
15°	1492	1485	1488
20°	1487	1479	1481
25°	1475	1470	1471
30°	1463	1455	1455
35°	1443	1435	1436
40°	1411	1399	1393
45°	1354	1332	1326
50°	1250	1232	1220
55°	1113	1097	1090
60°	970	959	949
65°	850	851	846
70°	765	763	752
75°	712	691	693
80°	636	624	624
85°	490	505	485



TEST NUMBER: P738453

CATALOG NUMBER: 24PT-30-PR1-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.4	3.7
10°-20°	282.6	10.7
20°-30°	428.4	16.2
30°-40°	512.4	19.4
40°-50°	505.9	19.1
50°-60°	393.8	14.9
60°-70°	250.0	9.5
70°-80°	134.2	5.1
80°-90°	36.4	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°	809.4	30.6
0°-40°	1321.8	50.0
0°-60°	2221.5	84.1
0°-90°	2642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1038	1035	1034	1033	1036	99
15°	1005	1002	1001	1000	1002	284
25°	932	930	929	928	930	430
35°	824	823	820	817	820	516
45°	668	663	657	654	654	513
55°	445	443	439	436	436	399
65°	250	251	251	248	249	251
75°	129	127	125	124	125	136
85°	30	30	31	31	30	37
90°	0	0	0	0	0	



TEST NUMBER: P738453

CATALOG NUMBER: 24PT-30-PR1-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1037.4	1037.4	1037.4	1037.4	1037.4
2.5°	1040.9	1037.4	1036.2	1035.7	1038.3
5°	1038.3	1035.1	1033.9	1033.3	1035.7
7.5°	1033.9	1030.2	1029.0	1028.4	1031.0
10°	1026.1	1022.6	1021.2	1021.2	1023.5
12.5°	1016.8	1013.9	1012.5	1011.3	1013.9
15°	1005.0	1001.5	1000.6	999.5	1002.4
17.5°	990.8	987.3	986.1	985.6	987.6
20°	974.6	970.2	969.6	969.3	970.5
22.5°	954.6	952.3	951.1	950.5	951.4
25°	932.3	930.5	929.4	927.6	930.0
27.5°	910.6	908.2	905.3	903.9	905.3
30°	883.9	881.0	879.0	878.4	879.0
32.5°	856.4	853.5	850.9	850.6	850.3
35°	824.5	822.8	819.6	817.0	820.5
37.5°	793.0	788.9	786.0	782.8	782.0
40°	753.6	752.1	747.2	744.3	744.0
42.5°	715.4	708.7	705.2	703.2	700.0
45°	667.9	663.2	657.1	654.0	653.7
47.5°	618.3	612.5	606.7	602.4	603.6
50°	560.4	557.8	552.3	548.5	547.1
52.5°	500.7	500.2	494.4	492.1	489.5
55°	445.1	442.8	438.8	435.9	435.9
57.5°	390.4	388.4	386.3	380.8	380.8
60°	338.3	338.0	334.5	331.3	331.0
62.5°	291.6	293.4	290.2	287.0	285.3
65°	250.5	251.4	250.8	247.6	249.4
67.5°	214.3	214.6	213.4	211.7	212.9
70°	182.5	183.9	181.9	180.7	179.3
72.5°	154.7	154.1	152.3	153.2	151.2
75°	128.6	126.6	124.8	124.5	125.1
77.5°	102.5	101.9	100.5	100.5	99.6
80°	77.0	76.5	75.6	75.9	75.6
82.5°	54.7	53.3	52.1	52.7	53.0
85°	29.8	30.4	30.7	30.7	29.5
87.5°	12.2	11.9	12.2	12.7	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)