

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: P738189

Luminaire Tested: **22PT-45-PC3-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738189  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PC3-L940  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -  
Ballast/Driver: -

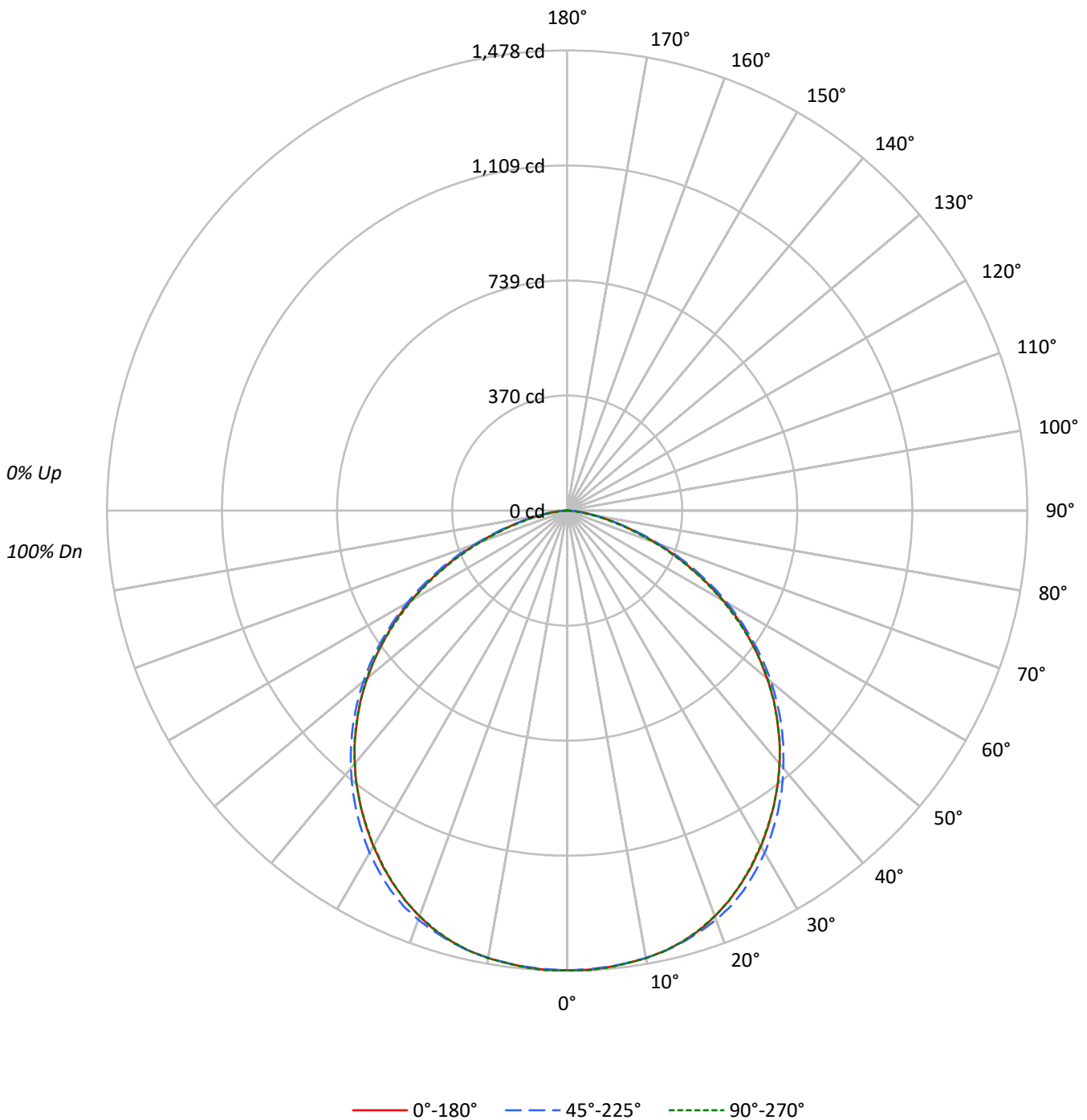
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3966.0 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.3  
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: P738189  
CATALOG NUMBER: 22PT-45-PC3-L940

### 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	97	107	103	99	96	99	96	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	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	4326	4326	4326
5°	4331	4328	4334
10°	4342	4341	4342
15°	4347	4353	4346
20°	4325	4360	4322
25°	4275	4345	4272
30°	4212	4294	4205
35°	4139	4221	4139
40°	4061	4133	4061
45°	3954	4032	3960
50°	3819	3894	3834
55°	3641	3713	3641
60°	3395	3481	3374
65°	3047	3154	3008
70°	2607	2699	2530
75°	2068	2126	1961
80°	1483	1537	1411
85°	978	1009	918



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.1	3.5
10°-20°	404.6	10.2
20°-30°	613.8	15.5
30°-40°	733.1	18.5
40°-50°	745.5	18.8
50°-60°	644.8	16.3
60°-70°	443.7	11.2
70°-80°	201.4	5.1
80°-90°	39.0	1.0
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°	1158.5	29.2
0°-40°	1891.5	47.7
0°-60°	3281.9	82.8
0°-90°	3966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3966.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1476	1476	1476	1476	1476	
5°	1473	1471	1472	1472	1474	140
15°	1433	1434	1435	1433	1433	404
25°	1322	1334	1344	1332	1321	609
35°	1157	1178	1180	1176	1157	724
45°	954	972	973	972	956	736
55°	713	725	727	726	713	637
65°	440	452	455	451	434	436
75°	183	190	188	186	173	196
85°	29	31	30	29	27	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1476.3	1476.3	1476.3	1476.3	1476.3
2.5°	1476.3	1474.4	1474.8	1475.4	1478.1
5°	1472.6	1471.1	1471.5	1471.5	1473.5
7.5°	1466.4	1466.0	1466.0	1465.5	1466.9
10°	1459.4	1458.5	1458.9	1458.5	1459.4
12.5°	1448.6	1448.6	1449.0	1447.7	1448.6
15°	1433.1	1434.0	1434.9	1432.7	1432.7
17.5°	1413.3	1415.7	1418.1	1413.8	1411.5
20°	1387.1	1392.8	1398.3	1391.7	1386.2
22.5°	1356.5	1365.9	1374.5	1364.1	1356.5
25°	1322.3	1334.0	1343.9	1331.7	1321.4
27.5°	1285.2	1298.3	1307.7	1297.4	1283.3
30°	1244.9	1260.8	1269.2	1259.3	1242.9
32.5°	1201.6	1220.4	1225.5	1219.4	1200.6
35°	1157.0	1177.7	1180.0	1175.8	1157.0
37.5°	1110.5	1130.3	1132.1	1129.7	1110.5
40°	1061.6	1079.9	1080.5	1080.5	1061.6
42.5°	1009.6	1027.4	1027.4	1026.9	1010.9
45°	954.2	971.5	973.0	971.9	955.6
47.5°	899.2	912.4	914.6	912.8	898.3
50°	837.7	851.3	854.2	852.2	841.0
52.5°	776.6	789.4	792.1	790.7	778.0
55°	712.8	725.0	726.8	725.5	712.8
57.5°	651.3	659.2	661.1	658.3	642.4
60°	579.4	590.7	594.0	590.7	575.7
62.5°	510.0	522.1	525.0	520.3	504.3
65°	439.5	451.7	454.9	451.3	433.9
67.5°	372.9	381.7	384.6	380.4	364.3
70°	304.3	315.6	315.1	309.4	295.3
72.5°	236.7	252.1	249.3	246.0	230.5
75°	182.7	189.7	187.8	186.0	173.2
77.5°	130.5	139.0	134.4	134.7	123.9
80°	87.9	95.8	91.1	89.2	83.6
82.5°	55.8	59.1	58.2	57.3	52.2
85°	29.1	31.0	30.0	29.1	27.3
87.5°	11.3	12.2	11.3	11.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)