

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: P738206

Luminaire Tested: **22PT-45-PP3-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PP3-L950  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

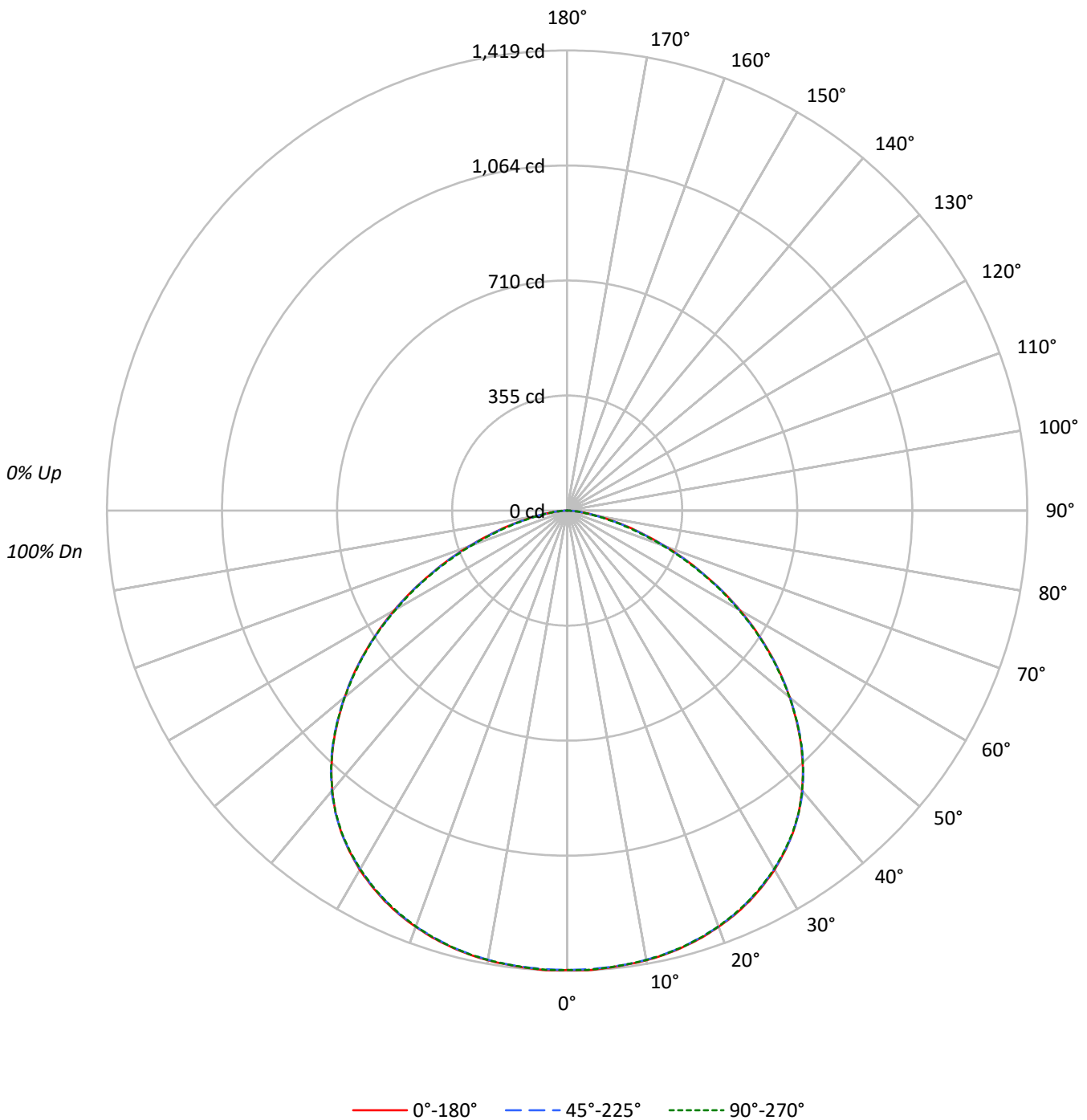
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4065.0 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
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: P738206  
CATALOG NUMBER: 22PT-45-PP3-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P738206

CATALOG NUMBER: 22PT-45-PP3-L950

**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	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

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

	0°	45°	90°
0°	4151	4151	4151
5°	4165	4159	4162
10°	4190	4184	4187
15°	4223	4219	4219
20°	4260	4256	4254
25°	4298	4290	4290
30°	4328	4320	4318
35°	4340	4340	4335
40°	4312	4321	4312
45°	4227	4238	4232
50°	4085	4091	4080
55°	3888	3879	3871
60°	3610	3601	3574
65°	3224	3221	3184
70°	2756	2739	2679
75°	2196	2132	2067
80°	1564	1534	1453
85°	1015	1015	985



TEST NUMBER: P738206

CATALOG NUMBER: 22PT-45-PP3-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.7	3.3
10°-20°	393.0	9.7
20°-30°	612.0	15.1
30°-40°	757.4	18.6
40°-50°	785.4	19.3
50°-60°	677.0	16.7
60°-70°	460.3	11.3
70°-80°	206.0	5.1
80°-90°	39.2	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°	1139.8	28.0
0°-40°	1897.2	46.7
0°-60°	3359.6	82.6
0°-90°	4065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4065.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1416	1413	1414	1414	1415	135
15°	1392	1390	1391	1390	1391	394
25°	1329	1327	1327	1326	1327	613
35°	1213	1212	1213	1212	1212	758
45°	1020	1019	1023	1020	1021	785
55°	761	758	759	758	758	679
65°	465	469	465	463	459	462
75°	194	194	188	187	183	209
85°	30	31	30	29	29	40
90°	0	0	0	0	0	



TEST NUMBER: P738206

CATALOG NUMBER: 22PT-45-PP3-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1416.8	1416.8	1416.8	1416.8	1416.8
2.5°	1418.8	1415.9	1415.9	1416.4	1417.9
5°	1415.9	1413.1	1414.0	1413.5	1414.9
7.5°	1412.1	1409.8	1411.2	1410.2	1411.2
10°	1408.3	1405.9	1406.4	1405.9	1407.4
12.5°	1401.7	1398.9	1399.8	1399.8	1400.3
15°	1392.2	1389.9	1390.8	1389.9	1390.8
17.5°	1380.8	1378.1	1378.6	1378.1	1379.0
20°	1366.2	1364.4	1364.8	1363.9	1364.4
22.5°	1349.7	1347.3	1347.8	1346.9	1346.9
25°	1329.4	1327.4	1327.0	1326.4	1327.0
27.5°	1305.6	1303.4	1303.4	1302.8	1302.8
30°	1279.2	1276.8	1276.8	1276.3	1276.3
32.5°	1247.9	1247.0	1247.5	1246.6	1246.0
35°	1213.4	1211.9	1213.4	1211.5	1211.9
37.5°	1173.2	1171.4	1174.1	1172.3	1172.7
40°	1127.3	1126.4	1129.7	1128.2	1127.3
42.5°	1076.2	1076.2	1077.7	1078.1	1077.2
45°	1020.0	1019.0	1022.8	1020.4	1021.3
47.5°	959.3	958.0	960.8	960.3	959.9
50°	896.1	895.0	897.4	895.0	895.0
52.5°	830.3	829.7	830.3	827.9	827.3
55°	761.1	758.3	759.3	757.8	757.8
57.5°	689.2	685.9	686.4	685.9	686.4
60°	616.0	614.9	614.5	612.1	609.8
62.5°	540.8	541.7	541.2	537.8	535.5
65°	465.0	468.9	464.6	463.2	459.3
67.5°	393.6	395.0	392.2	388.9	384.6
70°	321.7	324.5	319.7	316.4	312.7
72.5°	253.1	255.0	250.7	248.9	244.1
75°	194.0	194.5	188.3	187.3	182.6
77.5°	138.1	140.0	135.3	135.3	130.5
80°	92.7	96.1	90.9	89.4	86.1
82.5°	58.2	58.6	57.2	55.9	54.4
85°	30.2	31.2	30.2	29.3	29.3
87.5°	11.4	11.8	11.4	10.9	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)