

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: P738179

Luminaire Tested: **22PT-45-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PB1-L930
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

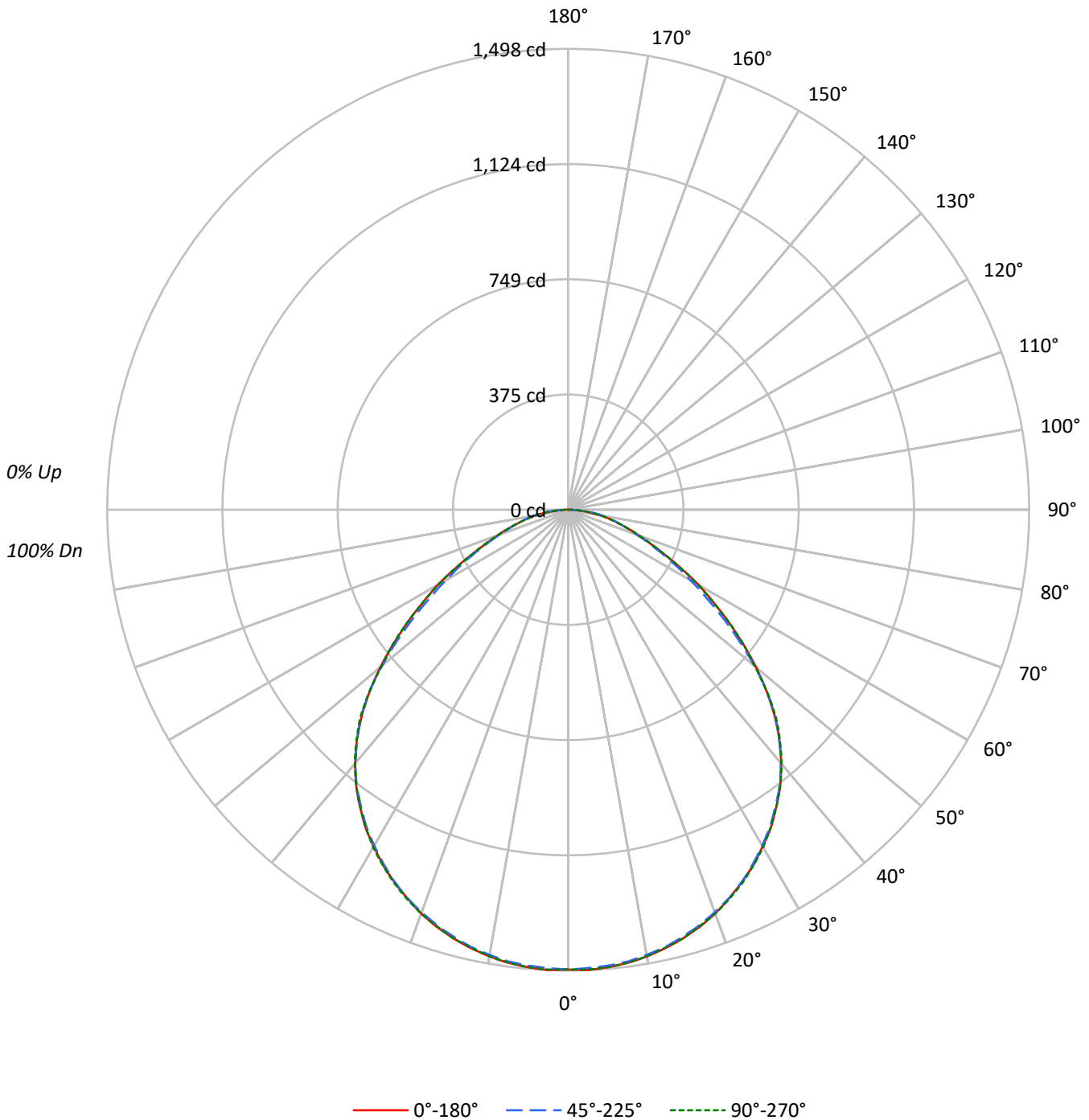
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3768.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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 (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: P738179
CATALOG NUMBER: 22PT-45-PB1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738179

CATALOG NUMBER: 22PT-45-PB1-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	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	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4379	4379	4379
5°	4390	4376	4390
10°	4387	4372	4385
15°	4377	4360	4375
20°	4355	4342	4357
25°	4319	4315	4329
30°	4275	4265	4288
35°	4218	4203	4218
40°	4120	4111	4124
45°	3934	3942	3957
50°	3633	3603	3608
55°	3246	3138	3259
60°	2866	2692	2848
65°	2401	2325	2401
70°	2082	2024	2092
75°	1899	1926	1899
80°	1784	1937	1794
85°	1553	1899	1594



TEST NUMBER: P738179

CATALOG NUMBER: 22PT-45-PB1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	3.8
10°-20°	406.4	10.8
20°-30°	615.3	16.3
30°-40°	736.0	19.5
40°-50°	728.7	19.3
50°-60°	560.3	14.9
60°-70°	341.2	9.1
70°-80°	180.6	4.8
80°-90°	57.8	1.5
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°	1163.4	30.9
0°-40°	1899.4	50.4
0°-60°	3188.4	84.6
0°-90°	3768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1494	1494	1494	1494	1494	
5°	1493	1492	1488	1490	1493	142
15°	1443	1440	1437	1440	1442	407
25°	1336	1335	1335	1336	1339	616
35°	1179	1178	1175	1179	1179	737
45°	950	950	951	952	955	728
55°	636	627	614	625	638	570
65°	346	338	335	335	346	350
75°	168	168	170	169	168	180
85°	46	53	56	54	47	53
90°	0	0	0	0	0	



TEST NUMBER: P738179

CATALOG NUMBER: 22PT-45-PB1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1494.5	1494.5	1494.5	1494.5	1494.5
2.5°	1498.1	1495.7	1491.4	1494.5	1496.3
5°	1492.6	1492.0	1487.8	1490.2	1492.6
7.5°	1486.0	1484.1	1481.1	1483.5	1485.4
10°	1474.4	1473.2	1469.6	1472.6	1473.8
12.5°	1459.8	1458.6	1456.2	1458.6	1458.0
15°	1442.8	1440.4	1437.4	1440.4	1442.2
17.5°	1421.6	1419.1	1416.7	1418.5	1419.7
20°	1396.7	1393.0	1392.4	1394.8	1397.3
22.5°	1366.9	1366.9	1366.3	1368.1	1369.3
25°	1335.9	1334.7	1334.7	1336.5	1338.9
27.5°	1302.5	1300.1	1298.9	1301.9	1303.7
30°	1263.6	1263.0	1260.6	1265.4	1267.3
32.5°	1226.0	1219.9	1221.1	1223.5	1224.1
35°	1179.2	1178.0	1174.9	1178.6	1179.2
37.5°	1131.8	1131.2	1129.4	1130.6	1131.2
40°	1077.1	1076.5	1074.7	1077.1	1078.3
42.5°	1016.4	1015.1	1015.1	1017.0	1018.8
45°	949.5	950.1	951.4	952.0	955.0
47.5°	874.8	876.0	877.2	876.0	876.6
50°	797.1	796.4	790.4	794.6	791.6
52.5°	715.0	705.9	701.1	710.8	717.5
55°	635.5	626.9	614.2	625.1	637.9
57.5°	558.9	544.3	531.0	543.7	556.5
60°	489.0	466.6	459.3	467.2	486.0
62.5°	414.3	398.5	396.1	397.3	413.7
65°	346.3	337.8	335.3	334.7	346.3
67.5°	290.4	284.9	281.9	284.3	291.6
70°	243.0	240.6	236.3	240.6	244.2
72.5°	204.1	203.5	199.9	203.5	202.3
75°	167.7	167.7	170.1	168.9	167.7
77.5°	136.7	137.9	142.2	138.5	134.9
80°	105.7	108.7	114.8	109.4	106.3
82.5°	75.3	82.0	88.7	82.0	77.8
85°	46.2	52.9	56.5	53.5	47.4
87.5°	20.0	23.7	24.9	23.1	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)