

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: P738199

Luminaire Tested: **22PT-45-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738199
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-L830
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

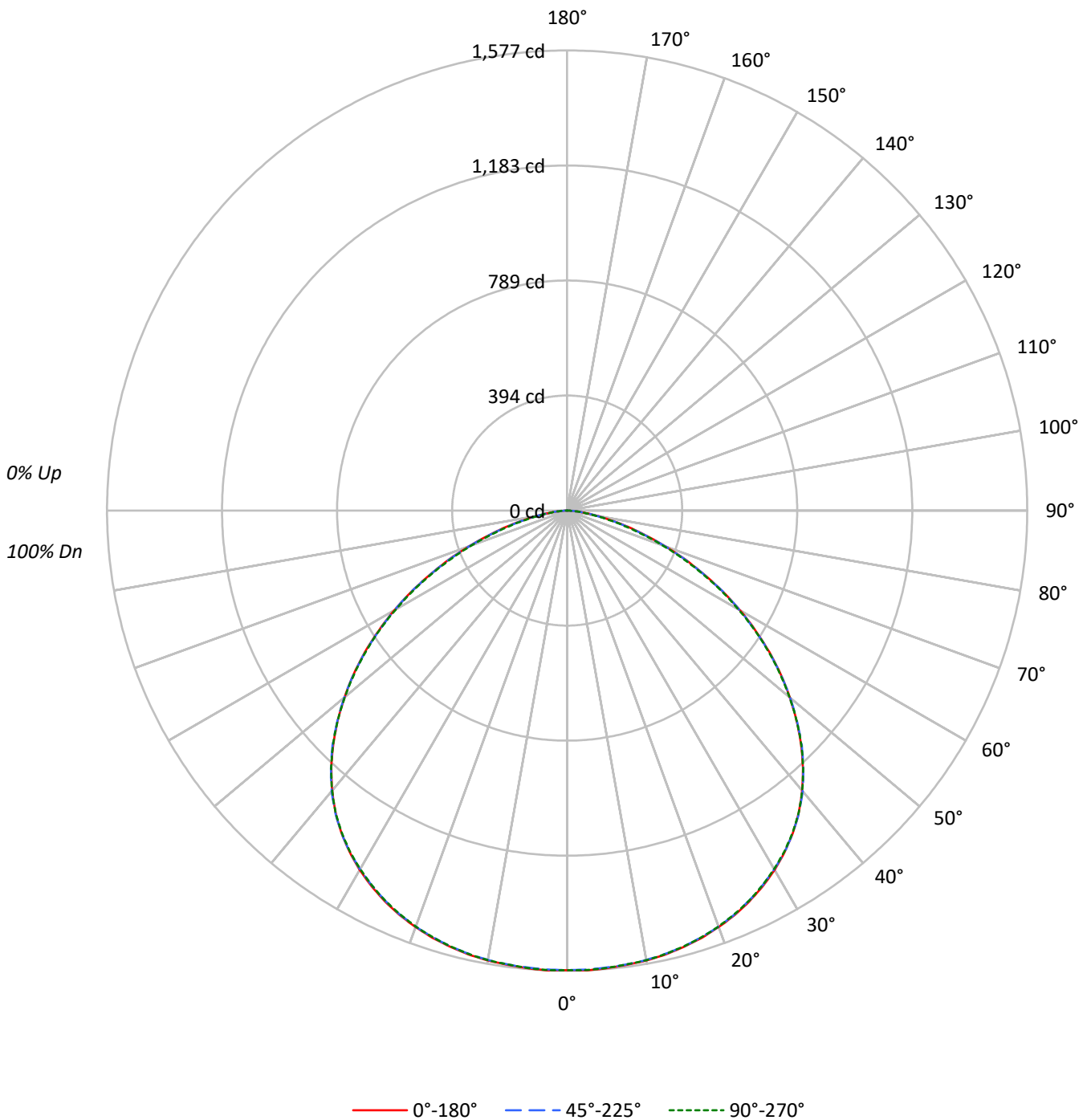
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4519.0 lumens
Efficiency: N/A
Efficacy: 128.0 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 (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

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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	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	51	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°	4615	4615	4615
5°	4630	4623	4627
10°	4658	4652	4655
15°	4695	4690	4690
20°	4736	4731	4730
25°	4778	4769	4769
30°	4811	4802	4800
35°	4825	4825	4819
40°	4793	4804	4793
45°	4699	4711	4705
50°	4541	4547	4536
55°	4322	4312	4304
60°	4013	4004	3973
65°	3584	3581	3540
70°	3064	3045	2978
75°	2441	2369	2297
80°	1740	1704	1615
85°	1130	1130	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.3
10°-20°	436.9	9.7
20°-30°	680.3	15.1
30°-40°	842.0	18.6
40°-50°	873.1	19.3
50°-60°	752.6	16.7
60°-70°	511.7	11.3
70°-80°	229.0	5.1
80°-90°	43.6	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°	1267.0	28.0
0°-40°	2109.1	46.7
0°-60°	3734.8	82.6
0°-90°	4519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1575	1575	1575	1575	1575	
5°	1574	1571	1572	1571	1573	150
15°	1548	1545	1546	1545	1546	438
25°	1478	1476	1475	1475	1475	681
35°	1349	1347	1349	1347	1347	843
45°	1134	1133	1137	1134	1135	873
55°	846	843	844	842	842	754
65°	517	521	516	515	511	513
75°	216	216	209	208	203	232
85°	34	35	34	33	33	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1575.0	1575.0	1575.0	1575.0	1575.0
2.5°	1577.2	1574.0	1574.0	1574.6	1576.2
5°	1574.0	1570.9	1571.9	1571.3	1573.0
7.5°	1569.9	1567.2	1568.8	1567.7	1568.8
10°	1565.6	1562.9	1563.5	1562.9	1564.6
12.5°	1558.2	1555.1	1556.1	1556.1	1556.7
15°	1547.7	1545.1	1546.1	1545.1	1546.1
17.5°	1535.1	1532.0	1532.5	1532.0	1533.0
20°	1518.8	1516.8	1517.2	1516.2	1516.8
22.5°	1500.4	1497.7	1498.3	1497.3	1497.3
25°	1477.8	1475.6	1475.2	1474.6	1475.2
27.5°	1451.4	1448.9	1448.9	1448.3	1448.3
30°	1422.1	1419.4	1419.4	1418.8	1418.8
32.5°	1387.3	1386.2	1386.8	1385.8	1385.2
35°	1348.9	1347.3	1348.9	1346.9	1347.3
37.5°	1304.2	1302.2	1305.3	1303.2	1303.6
40°	1253.2	1252.2	1255.9	1254.2	1253.2
42.5°	1196.4	1196.4	1198.0	1198.5	1197.5
45°	1133.9	1132.9	1137.0	1134.3	1135.4
47.5°	1066.5	1065.0	1068.1	1067.5	1067.1
50°	996.1	995.0	997.6	995.0	995.0
52.5°	923.0	922.4	923.0	920.3	919.7
55°	846.1	843.0	844.1	842.5	842.5
57.5°	766.2	762.5	763.1	762.5	763.1
60°	684.8	683.6	683.2	680.5	677.9
62.5°	601.2	602.2	601.6	597.9	595.3
65°	516.9	521.2	516.5	514.9	510.6
67.5°	437.6	439.1	436.0	432.3	427.6
70°	357.7	360.8	355.4	351.8	347.6
72.5°	281.4	283.5	278.8	276.7	271.4
75°	215.6	216.2	209.3	208.3	202.9
77.5°	153.5	155.6	150.4	150.4	145.1
80°	103.1	106.8	101.0	99.4	95.7
82.5°	64.7	65.2	63.6	62.1	60.5
85°	33.6	34.7	33.6	32.6	32.6
87.5°	12.7	13.1	12.7	12.1	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)