

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: P738198

Luminaire Tested: **22PT-45-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PL1-L950
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

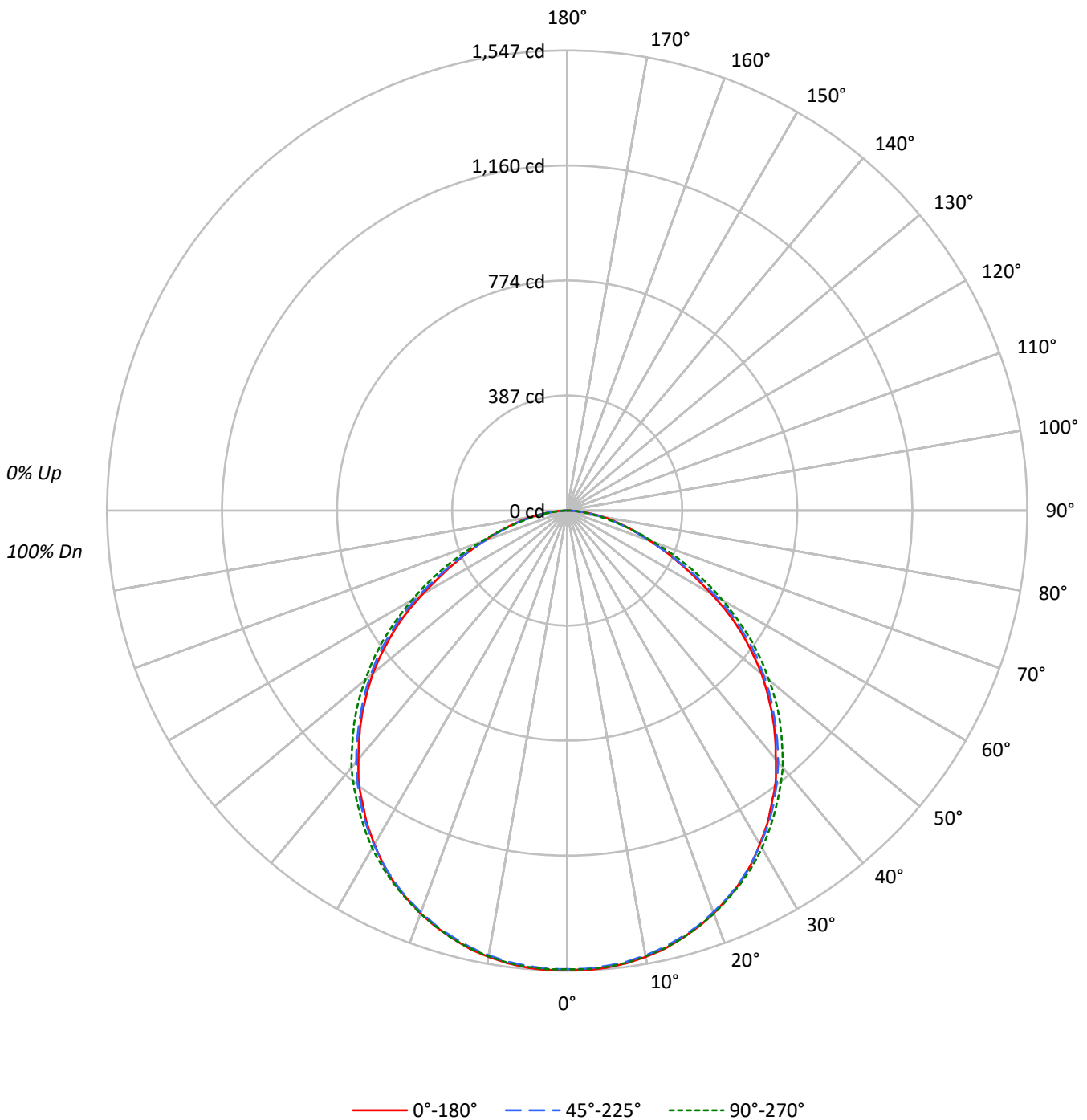
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4063.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 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 (A_{in}): 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	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	71	65		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4518	4518	4518
5°	4536	4519	4530
10°	4532	4517	4528
15°	4516	4503	4518
20°	4493	4479	4497
25°	4457	4449	4468
30°	4383	4392	4434
35°	4291	4321	4372
40°	4174	4221	4315
45°	4046	4081	4196
50°	3886	3933	4040
55°	3649	3722	3838
60°	3281	3391	3535
65°	2874	2933	3153
70°	2523	2501	2663
75°	2270	2174	2182
80°	2037	1927	1719
85°	1614	1594	1308



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	3.6
10°-20°	419.4	10.3
20°-30°	634.3	15.6
30°-40°	756.3	18.6
40°-50°	763.6	18.8
50°-60°	651.4	16.0
60°-70°	428.1	10.5
70°-80°	209.6	5.2
80°-90°	54.0	1.3
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°	1200.0	29.5
0°-40°	1956.3	48.1
0°-60°	3371.3	83.0
0°-90°	4063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1542	1539	1536	1536	1540	147
15°	1489	1486	1484	1485	1490	420
25°	1379	1375	1376	1378	1382	634
35°	1200	1203	1208	1216	1222	751
45°	976	979	985	1004	1013	752
55°	714	718	729	745	751	636
65°	415	415	423	442	455	415
75°	200	198	192	191	193	215
85°	48	48	47	44	39	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.1	1542.1	1542.1	1542.1	1542.1
2.5°	1546.6	1543.4	1541.5	1540.2	1543.4
5°	1542.1	1538.9	1536.3	1536.3	1540.2
7.5°	1535.0	1531.7	1529.8	1529.1	1533.0
10°	1523.3	1519.4	1518.1	1517.4	1522.0
12.5°	1509.7	1503.8	1503.8	1503.2	1507.7
15°	1488.9	1486.3	1484.4	1485.0	1489.5
17.5°	1467.5	1464.9	1463.6	1463.6	1466.2
20°	1440.9	1437.6	1436.4	1437.6	1442.2
22.5°	1410.4	1408.5	1408.5	1409.8	1413.0
25°	1378.6	1375.4	1376.0	1378.0	1381.9
27.5°	1339.7	1339.0	1339.0	1343.6	1348.1
30°	1295.6	1295.6	1298.2	1304.7	1310.5
32.5°	1250.8	1250.2	1255.3	1261.2	1267.7
35°	1199.6	1202.8	1208.0	1216.4	1222.3
37.5°	1151.5	1150.9	1157.4	1172.3	1176.2
40°	1091.2	1095.8	1103.5	1118.5	1128.2
42.5°	1034.8	1038.0	1045.2	1062.7	1069.2
45°	976.4	979.0	984.8	1004.3	1012.7
47.5°	914.7	918.0	926.4	942.6	952.4
50°	852.5	857.0	862.8	878.4	886.2
52.5°	784.3	790.2	800.6	814.8	820.7
55°	714.3	718.2	728.6	745.4	751.3
57.5°	641.0	644.2	659.1	671.5	676.0
60°	559.9	563.8	578.7	598.2	603.3
62.5°	483.3	486.6	499.5	522.9	530.7
65°	414.6	414.6	423.0	442.5	454.8
67.5°	353.6	352.3	353.6	368.5	381.5
70°	294.5	295.2	291.9	301.0	310.8
72.5°	245.9	245.9	239.4	240.7	248.5
75°	200.5	198.5	192.0	190.7	192.7
77.5°	160.2	157.0	151.8	147.9	143.4
80°	120.7	118.1	114.2	108.3	101.9
82.5°	84.3	81.7	79.1	75.9	69.4
85°	48.0	48.0	47.4	43.5	38.9
87.5°	19.5	18.8	18.2	17.5	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)