

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: P738197

Luminaire Tested: **22PT-45-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738197
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-L940
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

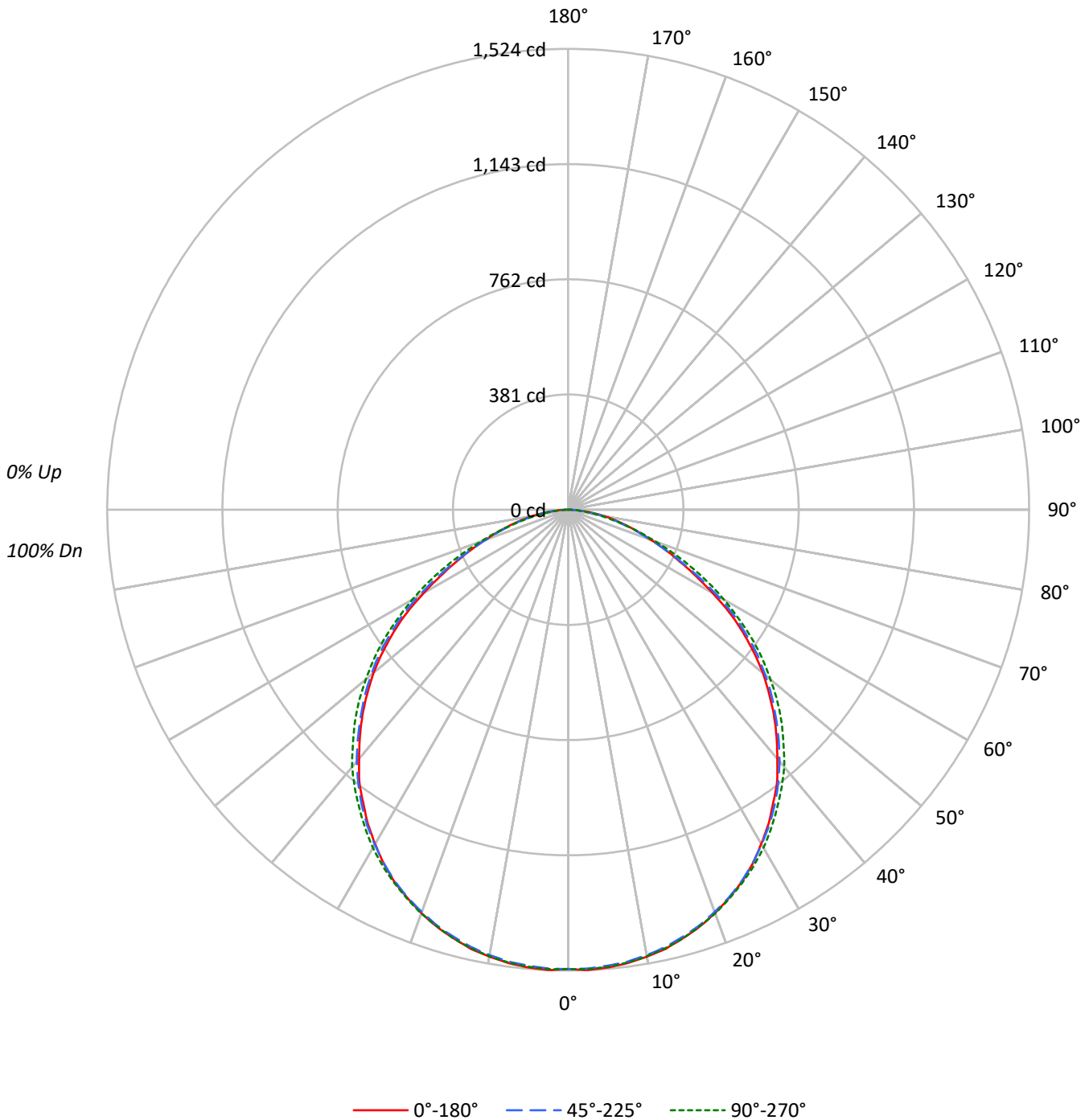
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4003.0 lumens
Efficiency: N/A
Efficacy: 113.4 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 (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	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°	4452	4452	4452
5°	4469	4452	4463
10°	4465	4450	4461
15°	4450	4436	4452
20°	4426	4412	4431
25°	4391	4383	4401
30°	4319	4327	4368
35°	4227	4257	4307
40°	4112	4158	4251
45°	3986	4021	4135
50°	3829	3875	3980
55°	3595	3667	3781
60°	3232	3341	3483
65°	2831	2889	3107
70°	2486	2464	2623
75°	2236	2142	2149
80°	2006	1898	1694
85°	1590	1570	1291



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	3.6
10°-20°	413.2	10.3
20°-30°	624.9	15.6
30°-40°	745.1	18.6
40°-50°	752.3	18.8
50°-60°	641.8	16.0
60°-70°	421.7	10.5
70°-80°	206.5	5.2
80°-90°	53.2	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°	1182.2	29.5
0°-40°	1927.4	48.1
0°-60°	3321.5	83.0
0°-90°	4003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1519	1519	1519	1519	1519	
5°	1519	1516	1514	1514	1517	144
15°	1467	1464	1462	1463	1468	414
25°	1358	1355	1356	1358	1361	625
35°	1182	1185	1190	1198	1204	740
45°	962	964	970	989	998	741
55°	704	708	718	734	740	626
65°	408	408	417	436	448	409
75°	198	196	189	188	190	211
85°	47	47	47	43	38	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1519.3	1519.3	1519.3	1519.3	1519.3
2.5°	1523.8	1520.6	1518.7	1517.4	1520.6
5°	1519.3	1516.1	1513.6	1513.6	1517.4
7.5°	1512.3	1509.1	1507.2	1506.5	1510.4
10°	1500.8	1497.0	1495.7	1495.0	1499.5
12.5°	1487.4	1481.6	1481.6	1481.0	1485.4
15°	1466.9	1464.4	1462.4	1463.1	1467.6
17.5°	1445.8	1443.3	1442.0	1442.0	1444.5
20°	1419.6	1416.4	1415.1	1416.4	1420.9
22.5°	1389.6	1387.7	1387.7	1388.9	1392.1
25°	1358.3	1355.1	1355.7	1357.6	1361.4
27.5°	1319.9	1319.3	1319.3	1323.7	1328.2
30°	1276.4	1276.4	1279.0	1285.4	1291.1
32.5°	1232.3	1231.7	1236.8	1242.6	1249.0
35°	1181.8	1185.0	1190.1	1198.5	1204.2
37.5°	1134.5	1133.9	1140.3	1155.0	1158.8
40°	1075.1	1079.6	1087.2	1101.9	1111.5
42.5°	1019.5	1022.7	1029.7	1047.0	1053.4
45°	962.0	964.5	970.3	989.4	997.8
47.5°	901.2	904.4	912.7	928.7	938.3
50°	839.9	844.4	850.1	865.4	873.1
52.5°	772.8	778.5	788.7	802.8	808.6
55°	703.7	707.6	717.8	734.4	740.2
57.5°	631.5	634.7	649.4	661.5	666.0
60°	551.6	555.4	570.1	589.3	594.4
62.5°	476.2	479.4	492.2	515.2	522.8
65°	408.4	408.4	416.7	435.9	448.1
67.5°	348.4	347.1	348.4	363.1	375.8
70°	290.2	290.8	287.6	296.6	306.2
72.5°	242.2	242.2	235.9	237.1	244.8
75°	197.5	195.6	189.2	187.9	189.8
77.5°	157.9	154.7	149.6	145.7	141.3
80°	118.9	116.3	112.5	106.7	100.4
82.5°	83.1	80.5	78.0	74.8	68.4
85°	47.3	47.3	46.7	42.8	38.4
87.5°	19.2	18.5	17.9	17.3	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)