

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: P738195

Luminaire Tested: **22PT-45-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738195
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-L930
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

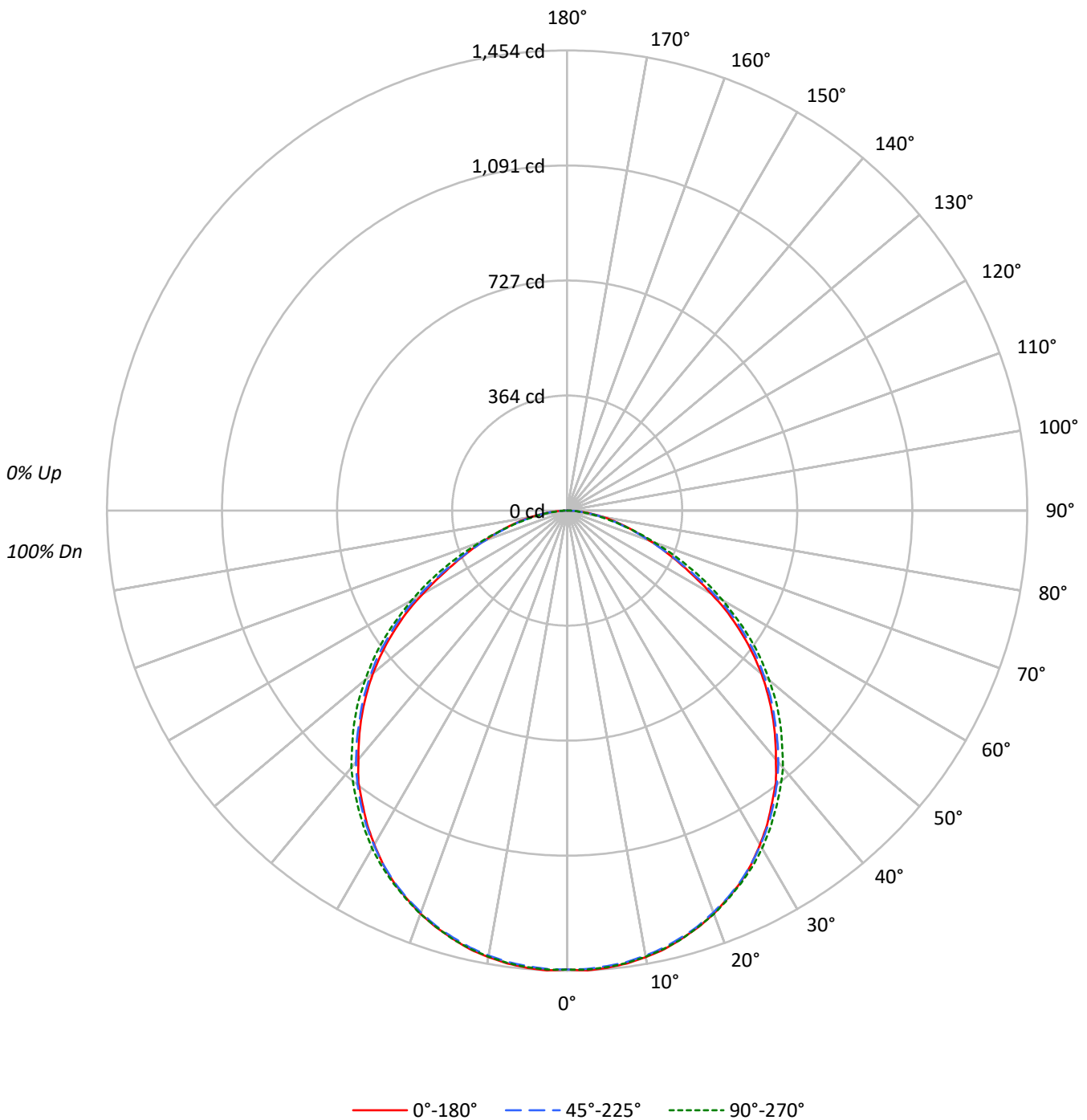
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3821.0 lumens
Efficiency: N/A
Efficacy: 108.2 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°	4249	4249	4249
5°	4265	4250	4260
10°	4262	4248	4258
15°	4247	4234	4249
20°	4225	4212	4229
25°	4192	4184	4201
30°	4122	4130	4170
35°	4035	4063	4112
40°	3925	3970	4058
45°	3805	3838	3946
50°	3654	3699	3799
55°	3431	3500	3609
60°	3085	3189	3325
65°	2703	2758	2965
70°	2373	2352	2503
75°	2134	2045	2051
80°	1915	1812	1616
85°	1516	1496	1230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	3.6
10°-20°	394.4	10.3
20°-30°	596.5	15.6
30°-40°	711.3	18.6
40°-50°	718.1	18.8
50°-60°	612.6	16.0
60°-70°	402.6	10.5
70°-80°	197.1	5.2
80°-90°	50.8	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°	1128.5	29.5
0°-40°	1839.8	48.1
0°-60°	3170.5	83.0
0°-90°	3821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1450	1447	1445	1445	1448	138
15°	1400	1398	1396	1397	1401	395
25°	1296	1293	1294	1296	1300	596
35°	1128	1131	1136	1144	1150	706
45°	918	921	926	944	952	707
55°	672	675	685	701	706	598
65°	390	390	398	416	428	390
75°	188	187	181	179	181	202
85°	45	45	44	41	37	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1450.2	1450.2	1450.2	1450.2	1450.2
2.5°	1454.5	1451.5	1449.6	1448.4	1451.5
5°	1450.2	1447.2	1444.8	1444.8	1448.4
7.5°	1443.5	1440.5	1438.7	1438.0	1441.7
10°	1432.6	1428.9	1427.7	1427.1	1431.3
12.5°	1419.7	1414.3	1414.3	1413.6	1417.9
15°	1400.2	1397.8	1395.9	1396.6	1400.8
17.5°	1380.1	1377.6	1376.4	1376.4	1378.9
20°	1355.1	1352.0	1350.8	1352.0	1356.3
22.5°	1326.4	1324.6	1324.6	1325.8	1328.8
25°	1296.5	1293.4	1294.1	1295.9	1299.5
27.5°	1259.9	1259.3	1259.3	1263.6	1267.8
30°	1218.4	1218.4	1220.8	1226.9	1232.4
32.5°	1176.3	1175.7	1180.6	1186.1	1192.2
35°	1128.1	1131.2	1136.0	1144.0	1149.5
37.5°	1083.0	1082.3	1088.4	1102.5	1106.1
40°	1026.2	1030.5	1037.8	1051.8	1061.0
42.5°	973.1	976.2	982.9	999.4	1005.5
45°	918.2	920.7	926.2	944.5	952.4
47.5°	860.3	863.3	871.2	886.5	895.7
50°	801.7	806.0	811.5	826.1	833.4
52.5°	737.6	743.1	752.9	766.3	771.8
55°	671.7	675.4	685.2	701.0	706.5
57.5°	602.8	605.8	619.9	631.5	635.7
60°	526.5	530.2	544.2	562.5	567.4
62.5°	454.5	457.6	469.8	491.8	499.1
65°	389.9	389.9	397.8	416.1	427.7
67.5°	332.5	331.3	332.5	346.5	358.7
70°	277.0	277.6	274.6	283.1	292.2
72.5°	231.2	231.2	225.1	226.4	233.7
75°	188.5	186.7	180.6	179.4	181.2
77.5°	150.7	147.6	142.8	139.1	134.8
80°	113.5	111.0	107.4	101.9	95.8
82.5°	79.3	76.9	74.4	71.4	65.3
85°	45.1	45.1	44.5	40.9	36.6
87.5°	18.3	17.7	17.1	16.5	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)