

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: P738251

Luminaire Tested: **22PT-50-PP3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738251
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-50-PP3-L930
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

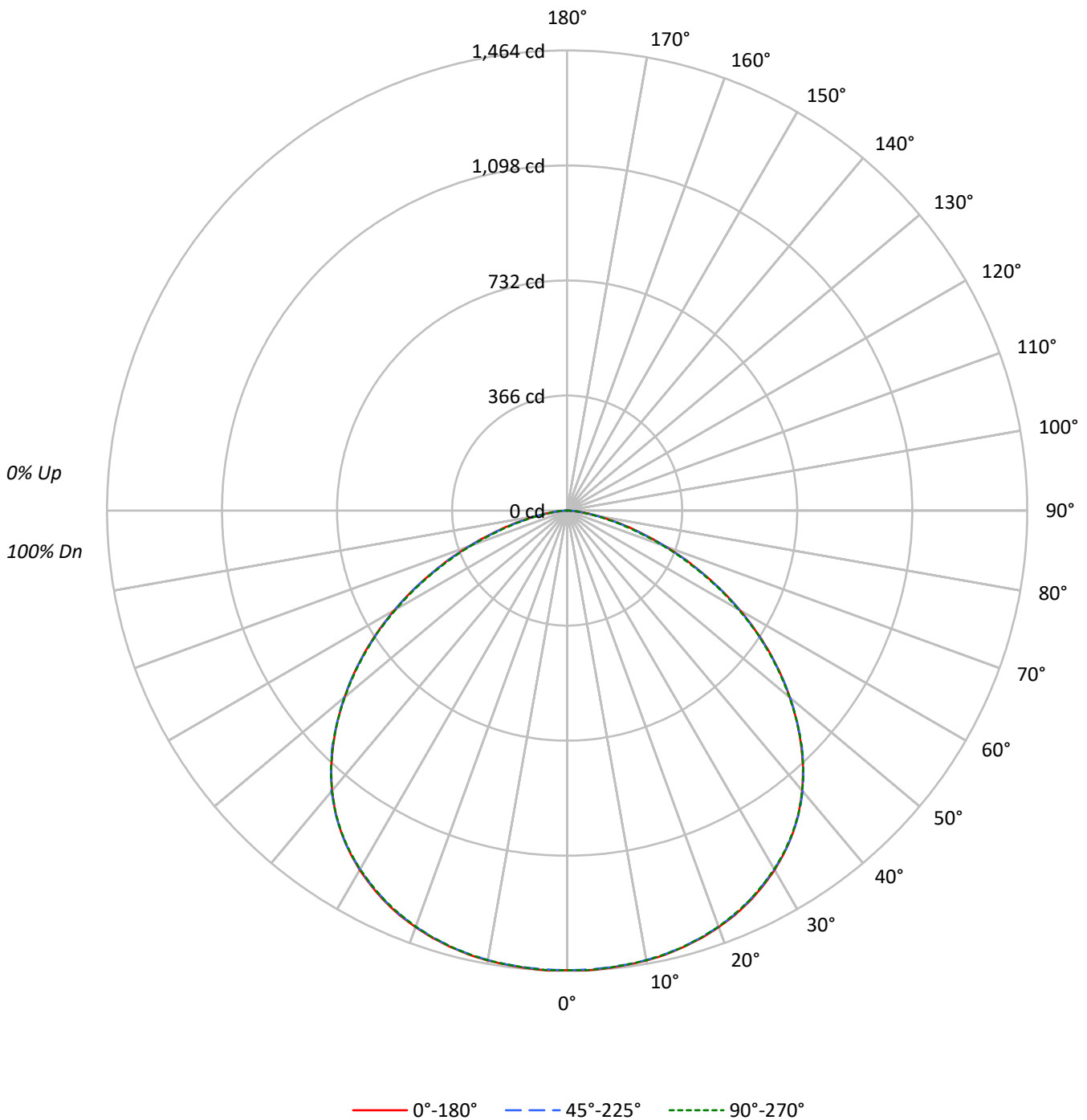
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4196.0 lumens
Efficiency: N/A
Efficacy: 106.8 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): 39.3
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

TEST NUMBER: P738251
CATALOG NUMBER: 22PT-50-PP3-L930

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	52	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°	4285	4285	4285
5°	4299	4293	4296
10°	4325	4319	4322
15°	4359	4355	4355
20°	4397	4393	4392
25°	4436	4428	4428
30°	4467	4459	4457
35°	4480	4480	4475
40°	4451	4460	4451
45°	4363	4375	4368
50°	4216	4222	4211
55°	4014	4003	3996
60°	3726	3717	3688
65°	3328	3325	3287
70°	2845	2827	2765
75°	2266	2200	2133
80°	1615	1583	1500
85°	1049	1049	1019



TEST NUMBER: P738251

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	3.3
10°-20°	405.7	9.7
20°-30°	631.7	15.1
30°-40°	781.8	18.6
40°-50°	810.7	19.3
50°-60°	698.8	16.7
60°-70°	475.1	11.3
70°-80°	212.6	5.1
80°-90°	40.5	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°	1176.5	28.0
0°-40°	1958.3	46.7
0°-60°	3467.8	82.6
0°-90°	4196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1462	1459	1460	1459	1460	139
15°	1437	1435	1436	1435	1436	406
25°	1372	1370	1370	1369	1370	633
35°	1252	1251	1252	1251	1251	782
45°	1053	1052	1056	1053	1054	810
55°	786	783	784	782	782	701
65°	480	484	480	478	474	477
75°	200	201	194	193	188	215
85°	31	32	31	30	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1462.4	1462.4	1462.4	1462.4	1462.4
2.5°	1464.5	1461.5	1461.5	1462.0	1463.5
5°	1461.5	1458.6	1459.6	1459.0	1460.5
7.5°	1457.7	1455.2	1456.7	1455.6	1456.7
10°	1453.7	1451.2	1451.8	1451.2	1452.7
12.5°	1446.8	1444.0	1444.9	1444.9	1445.5
15°	1437.1	1434.6	1435.6	1434.6	1435.6
17.5°	1425.3	1422.5	1423.0	1422.5	1423.4
20°	1410.3	1408.4	1408.8	1407.8	1408.4
22.5°	1393.2	1390.7	1391.2	1390.3	1390.3
25°	1372.2	1370.1	1369.7	1369.2	1369.7
27.5°	1347.7	1345.4	1345.4	1344.8	1344.8
30°	1320.4	1318.0	1318.0	1317.4	1317.4
32.5°	1288.1	1287.2	1287.7	1286.7	1286.2
35°	1252.5	1251.0	1252.5	1250.6	1251.0
37.5°	1211.0	1209.1	1212.0	1210.1	1210.5
40°	1163.6	1162.7	1166.1	1164.6	1163.6
42.5°	1110.9	1110.9	1112.4	1112.8	1111.9
45°	1052.8	1051.9	1055.7	1053.3	1054.2
47.5°	990.3	988.9	991.8	991.2	990.8
50°	924.9	923.8	926.3	923.8	923.8
52.5°	857.0	856.5	857.0	854.5	854.0
55°	785.7	782.8	783.7	782.2	782.2
57.5°	711.4	708.0	708.6	708.0	708.6
60°	635.8	634.7	634.3	631.9	629.4
62.5°	558.2	559.2	558.6	555.2	552.7
65°	480.0	484.0	479.6	478.1	474.1
67.5°	406.3	407.7	404.8	401.4	397.0
70°	332.1	335.0	330.0	326.6	322.8
72.5°	261.3	263.2	258.8	256.9	252.0
75°	200.2	200.8	194.3	193.4	188.4
77.5°	142.6	144.5	139.7	139.7	134.8
80°	95.7	99.1	93.8	92.3	88.9
82.5°	60.1	60.5	59.0	57.7	56.1
85°	31.2	32.2	31.2	30.3	30.3
87.5°	11.8	12.2	11.8	11.2	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)