

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: P738267

Luminaire Tested: **22PT-50-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PW1-L930
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

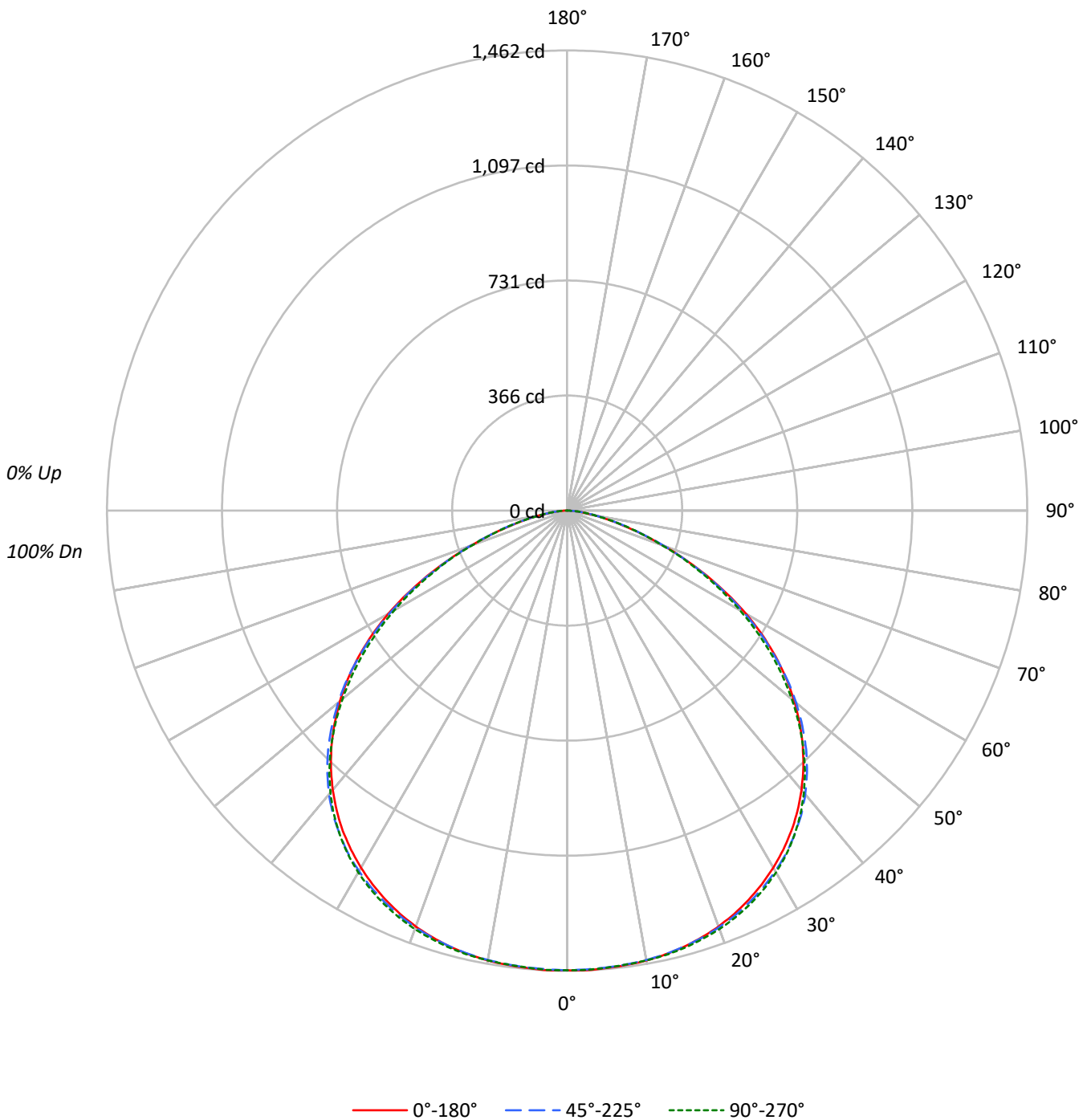
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4222.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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 (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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	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	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	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°	4280	4280	4280
5°	4291	4285	4287
10°	4319	4313	4318
15°	4353	4351	4364
20°	4385	4395	4413
25°	4412	4437	4457
30°	4433	4475	4491
35°	4444	4502	4504
40°	4430	4502	4477
45°	4387	4450	4396
50°	4298	4329	4249
55°	4131	4112	4035
60°	3845	3802	3722
65°	3391	3358	3294
70°	2777	2790	2732
75°	2103	2175	2158
80°	1525	1586	1559
85°	998	1035	1106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	3.3
10°-20°	405.6	9.6
20°-30°	632.4	15.0
30°-40°	783.8	18.6
40°-50°	820.2	19.4
50°-60°	714.7	16.9
60°-70°	478.8	11.3
70°-80°	207.6	4.9
80°-90°	40.0	0.9
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°	1176.9	27.9
0°-40°	1960.8	46.4
0°-60°	3495.7	82.8
0°-90°	4222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1461	1461	1461	1461	1461	
5°	1459	1457	1457	1456	1457	139
15°	1435	1433	1434	1436	1439	405
25°	1365	1365	1372	1376	1379	629
35°	1242	1247	1258	1260	1259	777
45°	1059	1064	1074	1065	1061	815
55°	809	808	805	796	790	720
65°	489	486	484	480	475	484
75°	186	189	192	191	191	205
85°	30	32	31	31	33	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1460.6	1460.6	1460.6	1460.6	1460.6
2.5°	1462.1	1459.5	1458.9	1458.9	1460.6
5°	1458.9	1457.4	1456.9	1456.4	1457.4
7.5°	1455.9	1453.8	1454.4	1453.3	1454.4
10°	1451.7	1449.6	1449.6	1449.6	1451.2
12.5°	1444.4	1442.8	1443.4	1444.4	1446.5
15°	1434.9	1432.9	1434.5	1436.0	1438.7
17.5°	1421.9	1420.4	1423.0	1425.6	1427.7
20°	1406.3	1404.7	1409.4	1413.1	1415.2
22.5°	1386.9	1386.5	1392.7	1396.9	1398.4
25°	1364.6	1365.0	1372.3	1376.5	1378.6
27.5°	1338.9	1340.0	1349.4	1353.0	1355.1
30°	1310.3	1312.8	1322.8	1325.8	1327.5
32.5°	1277.8	1281.6	1293.5	1295.6	1295.6
35°	1242.4	1247.0	1258.5	1260.1	1259.1
37.5°	1202.7	1207.9	1220.9	1218.8	1217.3
40°	1158.3	1164.0	1177.1	1172.9	1170.4
42.5°	1110.9	1116.6	1128.1	1121.8	1118.1
45°	1058.7	1064.4	1073.8	1064.9	1060.8
47.5°	1002.2	1009.0	1013.7	1003.9	998.6
50°	942.8	944.9	949.6	938.1	932.2
52.5°	878.0	878.0	881.7	869.1	862.3
55°	808.6	808.0	805.0	796.1	789.8
57.5°	735.0	731.8	729.7	720.3	713.1
60°	656.2	651.5	648.8	641.1	635.2
62.5°	573.8	571.1	567.9	561.7	555.4
65°	489.1	486.5	484.4	479.8	475.1
67.5°	405.1	403.5	403.5	400.4	399.8
70°	324.2	325.2	325.7	325.7	318.9
72.5°	251.1	251.6	254.3	252.2	251.6
75°	185.8	189.0	192.1	190.6	190.6
77.5°	133.7	138.4	138.4	137.3	135.7
80°	90.4	92.4	94.0	93.4	92.4
82.5°	57.5	59.0	57.5	58.4	59.0
85°	29.7	31.8	30.8	31.4	32.9
87.5°	9.9	11.0	11.5	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)