

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: P738268

Luminaire Tested: **22PT-50-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738268
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-L935
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

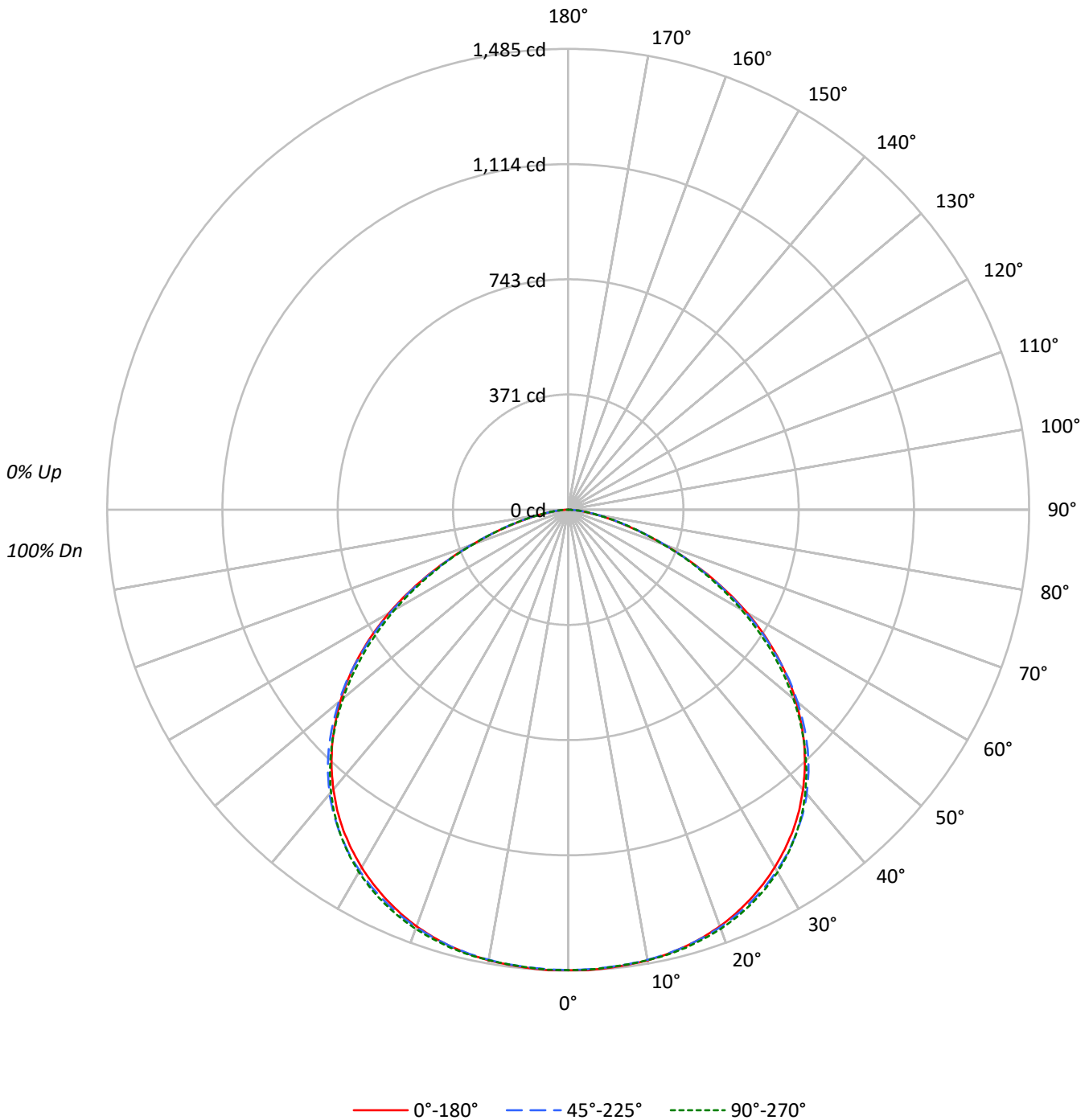
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4289.0 lumens
Efficiency: N/A
Efficacy: 109.1 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	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					100			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45					45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39					39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35					35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31					31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4348	4348	4348
5°	4359	4353	4355
10°	4388	4382	4386
15°	4422	4421	4433
20°	4455	4465	4483
25°	4482	4507	4528
30°	4504	4547	4563
35°	4515	4573	4575
40°	4501	4573	4548
45°	4457	4520	4465
50°	4366	4397	4317
55°	4196	4177	4099
60°	3906	3862	3782
65°	3445	3412	3346
70°	2822	2835	2776
75°	2137	2209	2192
80°	1549	1611	1584
85°	1015	1052	1123



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	3.3
10°-20°	412.1	9.6
20°-30°	642.5	15.0
30°-40°	796.3	18.6
40°-50°	833.2	19.4
50°-60°	726.1	16.9
60°-70°	486.4	11.3
70°-80°	210.9	4.9
80°-90°	40.6	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°	1195.6	27.9
0°-40°	1991.9	46.4
0°-60°	3551.2	82.8
0°-90°	4289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1482	1480	1480	1480	1480	141
15°	1458	1456	1457	1459	1462	412
25°	1386	1387	1394	1398	1400	639
35°	1262	1267	1278	1280	1279	789
45°	1076	1081	1091	1082	1078	828
55°	821	821	818	809	802	731
65°	497	494	492	487	483	492
75°	189	192	195	194	194	208
85°	30	32	31	32	33	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1483.8	1483.8	1483.8	1483.8	1483.8
2.5°	1485.3	1482.7	1482.1	1482.1	1483.8
5°	1482.1	1480.5	1480.0	1479.6	1480.5
7.5°	1479.0	1476.9	1477.4	1476.3	1477.4
10°	1474.8	1472.7	1472.7	1472.7	1474.2
12.5°	1467.3	1465.7	1466.3	1467.3	1469.4
15°	1457.7	1455.6	1457.3	1458.8	1461.5
17.5°	1444.5	1442.9	1445.6	1448.3	1450.4
20°	1428.7	1427.0	1431.8	1435.6	1437.7
22.5°	1408.9	1408.5	1414.8	1419.1	1420.6
25°	1386.2	1386.6	1394.1	1398.3	1400.5
27.5°	1360.1	1361.3	1370.9	1374.5	1376.6
30°	1331.1	1333.6	1343.8	1346.9	1348.6
32.5°	1298.1	1301.9	1314.0	1316.2	1316.2
35°	1262.2	1266.8	1278.5	1280.1	1279.1
37.5°	1221.8	1227.0	1240.3	1238.2	1236.6
40°	1176.7	1182.5	1195.7	1191.5	1189.0
42.5°	1128.5	1134.3	1146.0	1139.6	1135.8
45°	1075.5	1081.3	1090.8	1081.8	1077.6
47.5°	1018.1	1025.0	1029.8	1019.8	1014.4
50°	957.8	959.9	964.7	953.0	947.0
52.5°	891.9	891.9	895.7	882.9	876.0
55°	821.4	820.8	817.7	808.7	802.4
57.5°	746.7	743.4	741.3	731.7	724.4
60°	666.6	661.8	659.1	651.2	645.3
62.5°	582.9	580.2	576.9	570.6	564.2
65°	496.9	494.2	492.1	487.4	482.6
67.5°	411.6	409.9	409.9	406.8	406.2
70°	329.4	330.3	330.9	330.9	324.0
72.5°	255.1	255.6	258.3	256.2	255.6
75°	188.8	192.0	195.1	193.6	193.6
77.5°	135.8	140.6	140.6	139.4	137.9
80°	91.8	93.9	95.5	94.9	93.9
82.5°	58.4	59.9	58.4	59.4	59.9
85°	30.2	32.3	31.3	31.9	33.4
87.5°	10.0	11.1	11.7	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)