

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: P737883

Luminaire Tested: **14PT-50-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PW1-L930
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

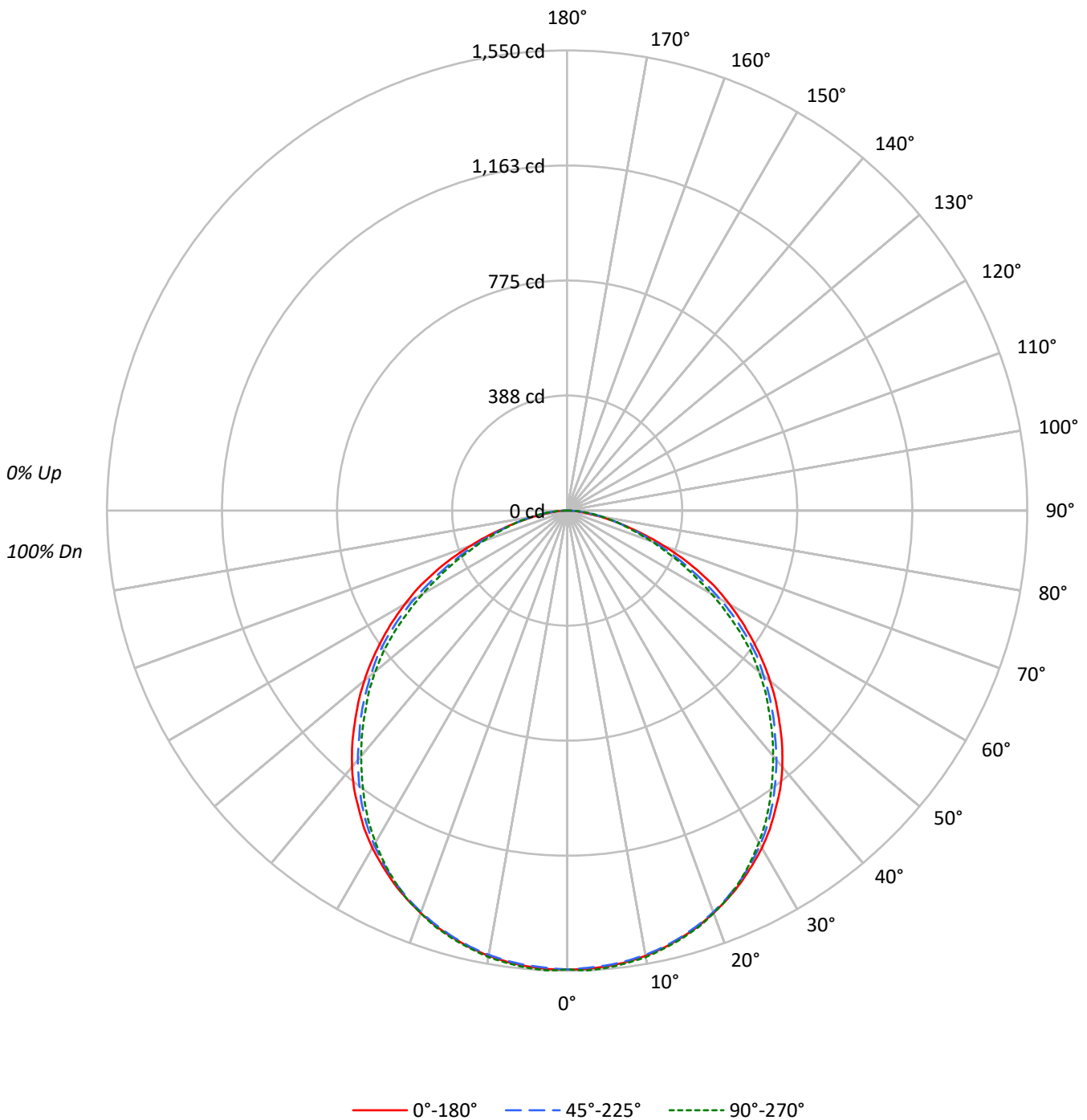
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4102.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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: P737883
CATALOG NUMBER: 14PT-50-PW1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P737883

CATALOG NUMBER: 14PT-50-PW1-L930

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	95	98	95	92	94	92	90	91	89	87					85				
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74					71				
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	71	63	57	68	61	56	66	60	55	64	59	54					52				
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47					45				
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42					40				
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37					35				
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33					31				
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30					28				
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27					26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4634	4634	4634
5°	4638	4628	4652
10°	4636	4626	4648
15°	4622	4615	4632
20°	4603	4592	4603
25°	4577	4558	4554
30°	4542	4503	4471
35°	4482	4414	4358
40°	4413	4293	4225
45°	4291	4164	4080
50°	4162	4026	3932
55°	3988	3853	3700
60°	3781	3558	3372
65°	3498	3177	3019
70°	3032	2766	2660
75°	2421	2369	2302
80°	1839	2056	2056
85°	1359	1754	1754



TEST NUMBER: P737883

CATALOG NUMBER: 14PT-50-PW1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	3.6
10°-20°	420.4	10.2
20°-30°	635.4	15.5
30°-40°	754.5	18.4
40°-50°	760.2	18.5
50°-60°	657.1	16.0
60°-70°	449.1	10.9
70°-80°	221.5	5.4
80°-90°	57.3	1.4
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°	1202.5	29.3
0°-40°	1957.0	47.7
0°-60°	3374.2	82.3
0°-90°	4102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1541	1542	1538	1544	1546	147
15°	1489	1491	1487	1492	1492	420
25°	1384	1382	1378	1379	1377	637
35°	1224	1220	1206	1195	1191	767
45°	1012	1001	982	971	962	781
55°	763	761	737	715	708	682
65°	493	475	448	428	426	487
75°	209	207	204	204	199	228
85°	40	46	51	52	51	48
90°	0	0	0	0	0	



TEST NUMBER: P737883

CATALOG NUMBER: 14PT-50-PW1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1545.8	1545.8	1545.8	1545.8	1545.8
2.5°	1545.2	1545.8	1541.8	1548.6	1550.3
5°	1541.2	1541.8	1537.7	1544.0	1545.8
7.5°	1533.7	1534.9	1530.3	1536.6	1537.7
10°	1522.9	1523.4	1519.4	1525.7	1526.9
12.5°	1508.0	1508.5	1505.1	1510.8	1510.8
15°	1489.1	1490.8	1486.8	1491.9	1492.5
17.5°	1467.9	1468.4	1464.4	1470.2	1471.3
20°	1442.7	1442.7	1439.2	1443.8	1442.7
22.5°	1414.6	1414.6	1410.6	1412.9	1414.0
25°	1383.7	1382.5	1378.0	1379.1	1376.8
27.5°	1348.2	1348.2	1340.2	1340.2	1336.1
30°	1312.1	1309.2	1300.6	1295.5	1291.5
32.5°	1270.9	1266.9	1256.0	1246.8	1243.9
35°	1224.5	1220.5	1206.1	1195.3	1190.7
37.5°	1179.8	1170.6	1151.7	1140.9	1135.7
40°	1127.7	1116.2	1096.8	1081.9	1079.6
42.5°	1071.6	1062.4	1037.2	1026.3	1023.4
45°	1012.0	1001.1	982.2	970.8	962.2
47.5°	953.6	945.6	923.8	910.0	907.2
50°	892.3	885.4	863.1	848.2	843.0
52.5°	828.7	824.1	805.2	786.3	780.0
55°	762.9	760.6	737.1	715.3	707.9
57.5°	698.1	695.3	666.1	640.9	634.0
60°	630.6	622.0	593.3	569.9	562.4
62.5°	566.4	548.1	517.2	498.8	490.2
65°	493.1	475.4	447.9	428.4	425.5
67.5°	420.9	399.8	378.6	366.5	357.4
70°	345.9	331.6	315.6	305.3	303.5
72.5°	276.0	265.7	257.7	251.4	246.3
75°	209.0	207.3	204.5	204.5	198.7
77.5°	153.5	157.5	159.8	159.2	160.4
80°	106.5	114.5	119.1	119.7	119.1
82.5°	67.6	76.7	84.2	85.3	86.5
85°	39.5	46.4	51.0	52.1	51.0
87.5°	17.8	22.3	23.5	24.6	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)