

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: P737851

Luminaire Tested: **14PT-50-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PC3-L930
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

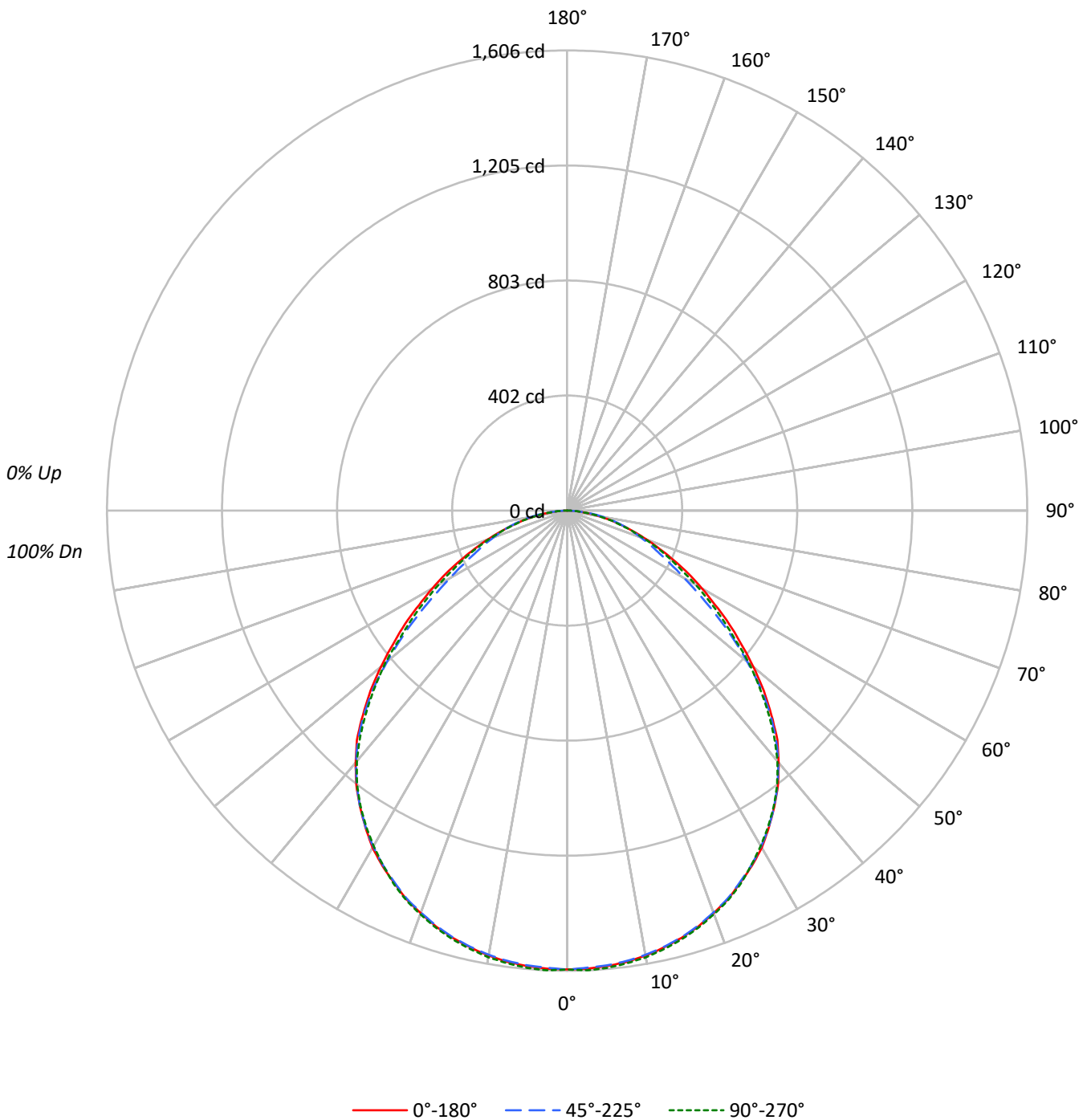
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4037.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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 (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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4801	4801	4801
5°	4802	4794	4821
10°	4802	4793	4819
15°	4791	4785	4807
20°	4769	4762	4782
25°	4736	4729	4748
30°	4701	4685	4677
35°	4616	4612	4603
40°	4494	4487	4467
45°	4274	4242	4199
50°	3956	3823	3865
55°	3610	3317	3467
60°	3256	2830	3105
65°	2909	2531	2792
70°	2581	2395	2511
75°	2282	2323	2236
80°	1968	2215	1958
85°	1479	1754	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	3.8
10°-20°	435.9	10.8
20°-30°	660.0	16.3
30°-40°	786.9	19.5
40°-50°	768.9	19.0
50°-60°	587.9	14.6
60°-70°	377.5	9.3
70°-80°	210.0	5.2
80°-90°	58.0	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°	1247.8	30.9
0°-40°	2034.7	50.4
0°-60°	3391.6	84.0
0°-90°	4037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1601	1601	1601	1601	1601	
5°	1596	1597	1593	1600	1602	152
15°	1544	1545	1542	1547	1549	436
25°	1432	1434	1430	1434	1435	660
35°	1261	1262	1260	1259	1258	788
45°	1008	1010	1001	998	990	776
55°	691	667	635	643	663	617
65°	410	379	357	369	394	409
75°	197	199	200	198	193	211
85°	43	50	51	49	43	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1601.4	1601.4	1601.4	1601.4	1601.4
2.5°	1600.2	1600.8	1596.8	1603.7	1605.9
5°	1595.6	1596.8	1592.8	1600.2	1601.9
7.5°	1588.8	1589.9	1585.9	1593.3	1593.9
10°	1577.3	1577.9	1574.4	1581.9	1583.0
12.5°	1561.8	1563.6	1559.6	1566.4	1567.0
15°	1543.5	1544.7	1541.8	1547.0	1548.7
17.5°	1521.8	1522.3	1519.5	1525.2	1525.8
20°	1494.8	1494.8	1492.5	1498.8	1498.8
22.5°	1467.3	1465.6	1465.1	1467.3	1470.8
25°	1431.8	1433.6	1429.5	1434.1	1435.3
27.5°	1397.5	1397.5	1394.0	1396.3	1393.5
30°	1358.0	1355.7	1353.4	1353.9	1351.1
32.5°	1310.4	1310.4	1309.3	1309.3	1305.8
35°	1261.2	1262.3	1260.0	1259.4	1257.7
37.5°	1208.5	1210.2	1206.2	1205.0	1203.9
40°	1148.3	1148.3	1146.6	1144.3	1141.5
42.5°	1085.9	1085.9	1078.5	1072.7	1068.7
45°	1008.0	1010.3	1000.6	998.3	990.3
47.5°	930.7	929.0	915.8	914.1	909.5
50°	848.2	838.5	819.6	824.7	828.7
52.5°	765.7	753.7	726.2	732.0	738.8
55°	690.7	666.7	634.6	642.6	663.2
57.5°	612.3	580.2	548.1	563.0	588.8
60°	543.0	506.9	471.9	488.0	517.8
62.5°	476.5	438.1	410.1	425.5	450.7
65°	410.1	378.6	356.8	368.8	393.5
67.5°	349.4	328.2	313.3	319.0	339.1
70°	294.4	281.2	273.2	274.9	286.4
72.5°	242.3	238.8	236.0	236.0	237.1
75°	197.0	198.7	200.5	197.6	193.0
77.5°	155.2	160.9	164.9	159.2	153.5
80°	114.0	123.1	128.3	122.0	113.4
82.5°	77.9	88.2	89.9	85.9	76.2
85°	43.0	50.4	51.0	49.3	43.0
87.5°	16.0	18.9	20.6	18.9	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)