

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: P737814

Luminaire Tested: **14PT-40-PC3-L950**

Issue Date: 2/8/2024



**Test Information**

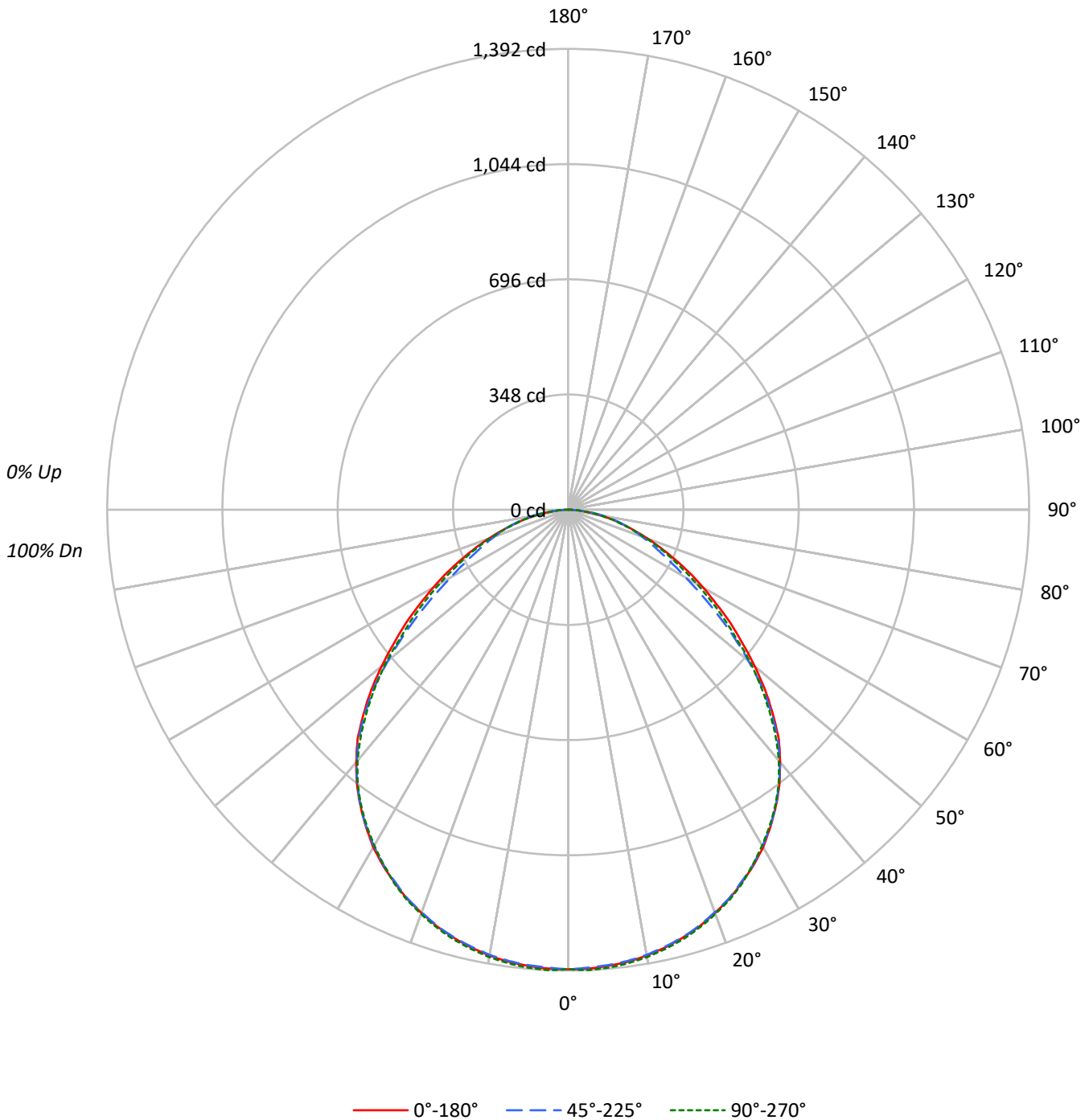
Test Method: LM-79-08  
Report Number: P737814  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PC3-L950  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3500.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 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): 32.1  
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

TEST NUMBER: P737814  
CATALOG NUMBER: 14PT-40-PC3-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P737814

CATALOG NUMBER: 14PT-40-PC3-L950

**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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4163	4163	4163
5°	4163	4156	4180
10°	4163	4156	4178
15°	4154	4149	4168
20°	4135	4128	4146
25°	4107	4100	4116
30°	4076	4062	4055
35°	4002	3998	3991
40°	3896	3891	3873
45°	3705	3678	3640
50°	3430	3314	3351
55°	3130	2876	3006
60°	2822	2454	2692
65°	2522	2194	2420
70°	2237	2077	2177
75°	1978	2013	1938
80°	1706	1920	1697
85°	1280	1520	1280



TEST NUMBER: P737814

CATALOG NUMBER: 14PT-40-PC3-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.7	3.8
10°-20°	377.9	10.8
20°-30°	572.2	16.3
30°-40°	682.2	19.5
40°-50°	666.6	19.0
50°-60°	509.7	14.6
60°-70°	327.2	9.3
70°-80°	182.1	5.2
80°-90°	50.3	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°	1081.9	30.9
0°-40°	1764.1	50.4
0°-60°	2940.4	84.0
0°-90°	3500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1388	1388	1388	1388	1388	
5°	1383	1384	1381	1387	1389	132
15°	1338	1339	1337	1341	1343	378
25°	1241	1243	1239	1243	1244	573
35°	1093	1094	1092	1092	1090	683
45°	874	876	868	866	858	672
55°	599	578	550	557	575	535
65°	356	328	309	320	341	355
75°	171	172	174	171	167	183
85°	37	44	44	43	37	46
90°	0	0	0	0	0	



TEST NUMBER: P737814

CATALOG NUMBER: 14PT-40-PC3-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1388.4	1388.4	1388.4	1388.4	1388.4
2.5°	1387.4	1387.9	1384.4	1390.3	1392.3
5°	1383.4	1384.4	1380.9	1387.4	1388.8
7.5°	1377.4	1378.4	1374.9	1381.4	1381.9
10°	1367.5	1368.0	1365.0	1371.5	1372.5
12.5°	1354.1	1355.6	1352.1	1358.1	1358.6
15°	1338.2	1339.2	1336.7	1341.2	1342.7
17.5°	1319.3	1319.8	1317.3	1322.3	1322.8
20°	1296.0	1296.0	1294.0	1299.5	1299.5
22.5°	1272.2	1270.7	1270.2	1272.2	1275.1
25°	1241.4	1242.9	1239.4	1243.4	1244.4
27.5°	1211.6	1211.6	1208.6	1210.6	1208.1
30°	1177.3	1175.3	1173.3	1173.8	1171.4
32.5°	1136.1	1136.1	1135.1	1135.1	1132.1
35°	1093.4	1094.4	1092.4	1091.9	1090.4
37.5°	1047.7	1049.2	1045.7	1044.7	1043.7
40°	995.6	995.6	994.1	992.1	989.6
42.5°	941.5	941.5	935.0	930.0	926.6
45°	873.9	875.9	867.5	865.5	858.5
47.5°	806.9	805.4	794.0	792.5	788.5
50°	735.4	726.9	710.6	715.0	718.5
52.5°	663.9	653.5	629.6	634.6	640.5
55°	598.8	578.0	550.2	557.1	575.0
57.5°	530.8	503.0	475.2	488.1	510.5
60°	470.7	439.4	409.2	423.1	448.9
62.5°	413.1	379.9	355.5	368.9	390.8
65°	355.5	328.2	309.3	319.8	341.1
67.5°	302.9	284.5	271.6	276.6	294.0
70°	255.2	243.8	236.9	238.3	248.3
72.5°	210.0	207.1	204.6	204.6	205.6
75°	170.8	172.3	173.8	171.3	167.3
77.5°	134.6	139.5	143.0	138.0	133.1
80°	98.8	106.8	111.2	105.8	98.3
82.5°	67.5	76.5	78.0	74.5	66.0
85°	37.2	43.7	44.2	42.7	37.2
87.5°	13.9	16.4	17.9	16.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)