

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: P737853

Luminaire Tested: **14PT-50-PC3-L940**

Issue Date: 2/8/2024



**Test Information**

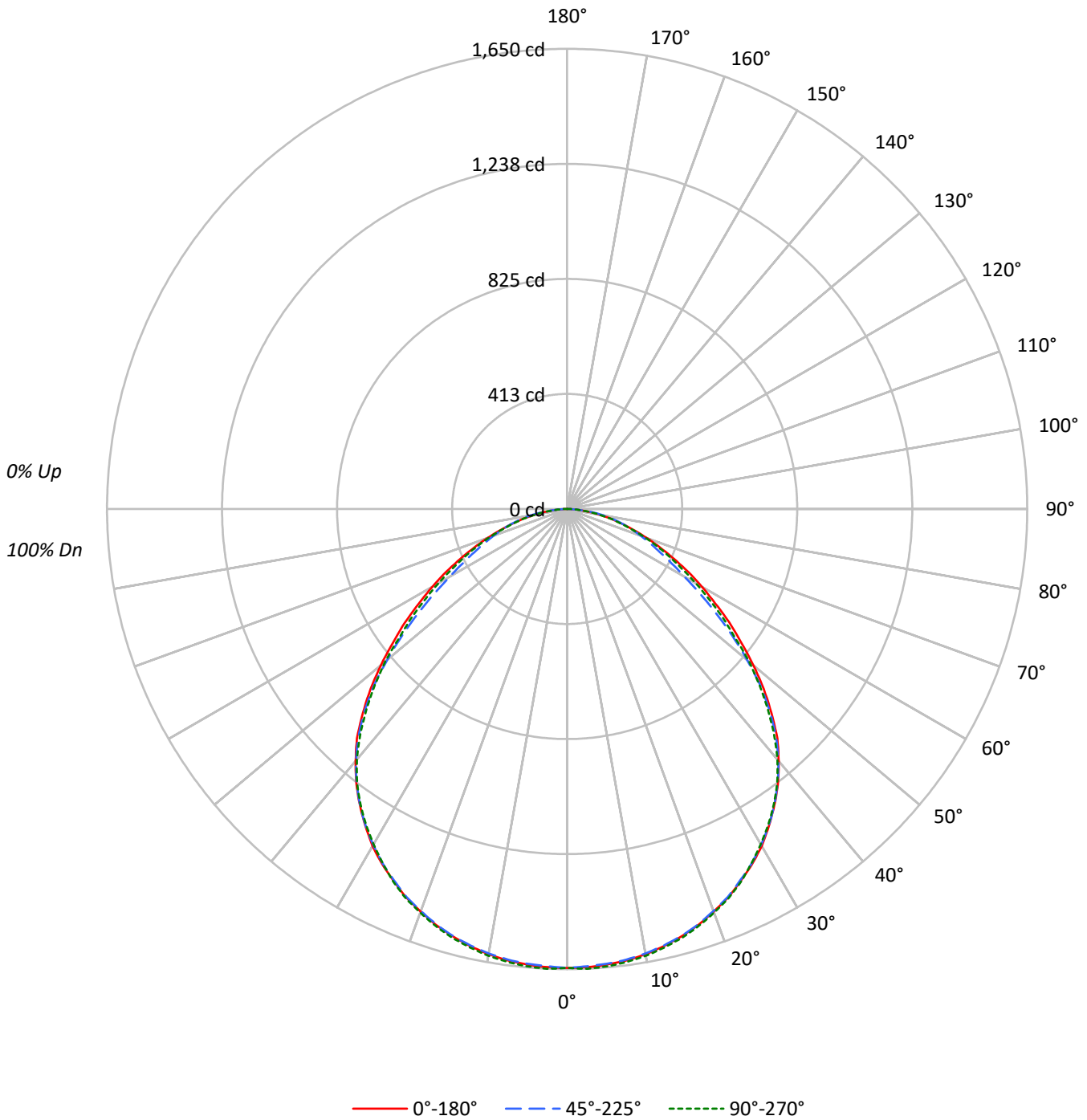
Test Method: LM-79-08  
Report Number: P737853  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-50-PC3-L940  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4149.0 lumens  
Efficiency: N/A  
Efficacy: 101.4 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 (A<sub>in</sub>): 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				
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°	4934	4934	4934
5°	4935	4927	4955
10°	4935	4926	4953
15°	4924	4918	4940
20°	4902	4894	4915
25°	4868	4860	4880
30°	4831	4815	4807
35°	4744	4740	4731
40°	4619	4612	4591
45°	4393	4360	4315
50°	4066	3929	3972
55°	3711	3409	3563
60°	3346	2908	3191
65°	2990	2601	2869
70°	2653	2461	2580
75°	2346	2386	2298
80°	2022	2277	2011
85°	1517	1803	1517



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.1	3.8
10°-20°	448.0	10.8
20°-30°	678.3	16.3
30°-40°	808.7	19.5
40°-50°	790.2	19.0
50°-60°	604.2	14.6
60°-70°	387.9	9.4
70°-80°	215.8	5.2
80°-90°	59.6	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°	1282.5	30.9
0°-40°	2091.2	50.4
0°-60°	3485.6	84.0
0°-90°	4149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4149.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1646	1646	1646	1646	1646	
5°	1640	1641	1637	1645	1646	156
15°	1586	1588	1585	1590	1592	448
25°	1472	1473	1469	1474	1475	679
35°	1296	1297	1295	1294	1293	810
45°	1036	1038	1028	1026	1018	797
55°	710	685	652	660	682	635
65°	422	389	367	379	404	420
75°	202	204	206	203	198	216
85°	44	52	52	51	44	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1645.8	1645.8	1645.8	1645.8	1645.8
2.5°	1644.6	1645.2	1641.1	1648.1	1650.5
5°	1639.9	1641.1	1637.0	1644.6	1646.4
7.5°	1632.8	1634.0	1629.9	1637.5	1638.1
10°	1621.1	1621.7	1618.1	1625.8	1627.0
12.5°	1605.2	1606.9	1602.8	1609.9	1610.5
15°	1586.3	1587.5	1584.6	1589.9	1591.6
17.5°	1564.0	1564.6	1561.6	1567.5	1568.1
20°	1536.3	1536.3	1534.0	1540.4	1540.4
22.5°	1508.1	1506.3	1505.7	1508.1	1511.6
25°	1471.6	1473.3	1469.2	1473.9	1475.1
27.5°	1436.2	1436.2	1432.7	1435.1	1432.1
30°	1395.6	1393.3	1390.9	1391.5	1388.6
32.5°	1346.8	1346.8	1345.6	1345.6	1342.1
35°	1296.1	1297.3	1295.0	1294.4	1292.6
37.5°	1242.0	1243.8	1239.6	1238.5	1237.3
40°	1180.2	1180.2	1178.4	1176.1	1173.1
42.5°	1116.0	1116.0	1108.4	1102.5	1098.4
45°	1036.0	1038.3	1028.3	1026.0	1017.7
47.5°	956.5	954.7	941.2	939.4	934.7
50°	871.8	861.7	842.3	847.6	851.7
52.5°	787.0	774.6	746.4	752.3	759.3
55°	709.9	685.2	652.2	660.4	681.6
57.5°	629.2	596.3	563.3	578.6	605.1
60°	558.0	520.9	485.0	501.5	532.1
62.5°	489.7	450.3	421.5	437.3	463.2
65°	421.5	389.1	366.7	379.1	404.4
67.5°	359.1	337.3	322.0	327.9	348.5
70°	302.6	289.0	280.8	282.5	294.3
72.5°	249.0	245.5	242.5	242.5	243.7
75°	202.5	204.3	206.0	203.1	198.4
77.5°	159.5	165.4	169.5	163.6	157.8
80°	117.1	126.6	131.9	125.4	116.5
82.5°	80.1	90.6	92.4	88.3	78.3
85°	44.1	51.8	52.4	50.6	44.1
87.5°	16.5	19.4	21.2	19.4	17.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)