

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: P737877

Luminaire Tested: **14PT-50-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PR1-L940
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

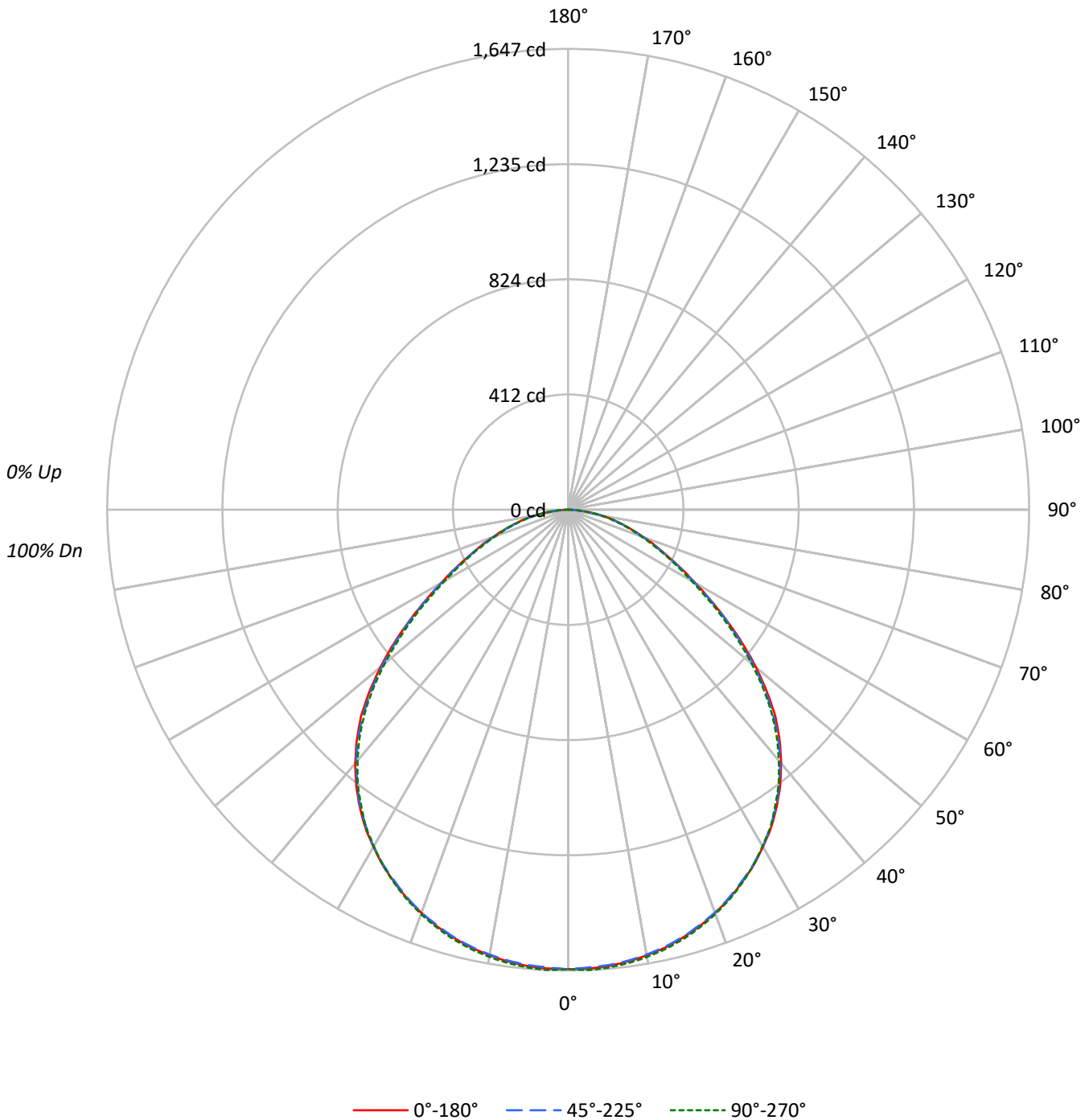
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4153.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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: P737877
CATALOG NUMBER: 14PT-50-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P737877

CATALOG NUMBER: 14PT-50-PR1-L940

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	88					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4923	4923	4923
5°	4928	4917	4944
10°	4924	4915	4942
15°	4914	4907	4931
20°	4894	4888	4907
25°	4862	4850	4868
30°	4819	4813	4807
35°	4752	4741	4722
40°	4632	4614	4582
45°	4440	4390	4357
50°	4085	4038	3989
55°	3615	3599	3529
60°	3141	3131	3045
65°	2768	2752	2697
70°	2512	2476	2425
75°	2325	2270	2230
80°	2124	2093	2022
85°	1682	1661	1600



TEST NUMBER: P737877

CATALOG NUMBER: 14PT-50-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	3.8
10°-20°	447.1	10.8
20°-30°	677.3	16.3
30°-40°	808.6	19.5
40°-50°	795.2	19.1
50°-60°	614.6	14.8
60°-70°	387.5	9.3
70°-80°	209.6	5.0
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°	1280.2	30.8
0°-40°	2088.8	50.3
0°-60°	3498.6	84.2
0°-90°	4153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1637	1638	1634	1641	1643	156
15°	1583	1584	1581	1586	1589	447
25°	1470	1471	1466	1471	1472	677
35°	1298	1299	1296	1294	1290	811
45°	1047	1043	1035	1027	1028	802
55°	692	698	689	678	675	621
65°	390	391	388	381	380	393
75°	201	198	196	197	192	213
85°	49	49	48	49	46	58
90°	0	0	0	0	0	



TEST NUMBER: P737877

CATALOG NUMBER: 14PT-50-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1642.2	1642.2	1642.2	1642.2	1642.2
2.5°	1641.6	1642.2	1637.4	1645.1	1646.9
5°	1637.4	1638.0	1633.9	1641.0	1642.7
7.5°	1629.2	1630.4	1626.3	1633.3	1635.1
10°	1617.4	1618.6	1614.5	1621.6	1623.3
12.5°	1602.7	1603.3	1599.8	1606.2	1608.0
15°	1583.3	1583.9	1580.9	1586.2	1588.6
17.5°	1560.9	1561.5	1557.4	1563.9	1565.0
20°	1533.9	1534.4	1532.1	1537.4	1538.0
22.5°	1503.8	1505.0	1501.5	1506.2	1506.8
25°	1469.7	1470.9	1466.2	1470.9	1471.5
27.5°	1433.8	1434.4	1430.3	1433.8	1433.2
30°	1392.0	1395.5	1390.2	1389.1	1388.5
32.5°	1348.4	1349.0	1343.7	1342.6	1344.9
35°	1298.4	1299.0	1295.5	1293.7	1290.2
37.5°	1243.7	1243.7	1237.2	1236.0	1235.4
40°	1183.6	1183.1	1178.9	1174.8	1170.7
42.5°	1118.3	1119.5	1111.2	1104.2	1103.0
45°	1047.1	1043.0	1035.3	1027.1	1027.7
47.5°	962.9	964.1	953.5	947.0	945.3
50°	875.8	875.8	865.8	858.7	855.2
52.5°	784.6	785.2	775.8	766.3	764.6
55°	691.6	697.5	688.6	677.5	675.1
57.5°	604.5	609.2	600.9	589.2	588.6
60°	523.8	524.4	522.1	510.9	507.9
62.5°	455.0	452.0	450.9	445.0	441.4
65°	390.2	390.8	387.9	381.4	380.2
67.5°	337.8	337.3	332.0	327.8	325.5
70°	286.6	284.9	282.5	279.0	276.6
72.5°	240.7	240.7	239.0	237.8	233.7
75°	200.7	198.4	196.0	197.2	192.5
77.5°	162.4	160.1	158.3	156.0	154.8
80°	123.0	120.7	121.2	117.7	117.1
82.5°	85.3	85.3	84.2	81.2	81.8
85°	48.9	49.4	48.3	48.9	46.5
87.5°	17.7	18.2	19.4	18.2	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)