

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: P737799

Luminaire Tested: **14PT-40-PB1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737799  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PB1-L830  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS  
  
Light Source: -  
Ballast/Driver: -

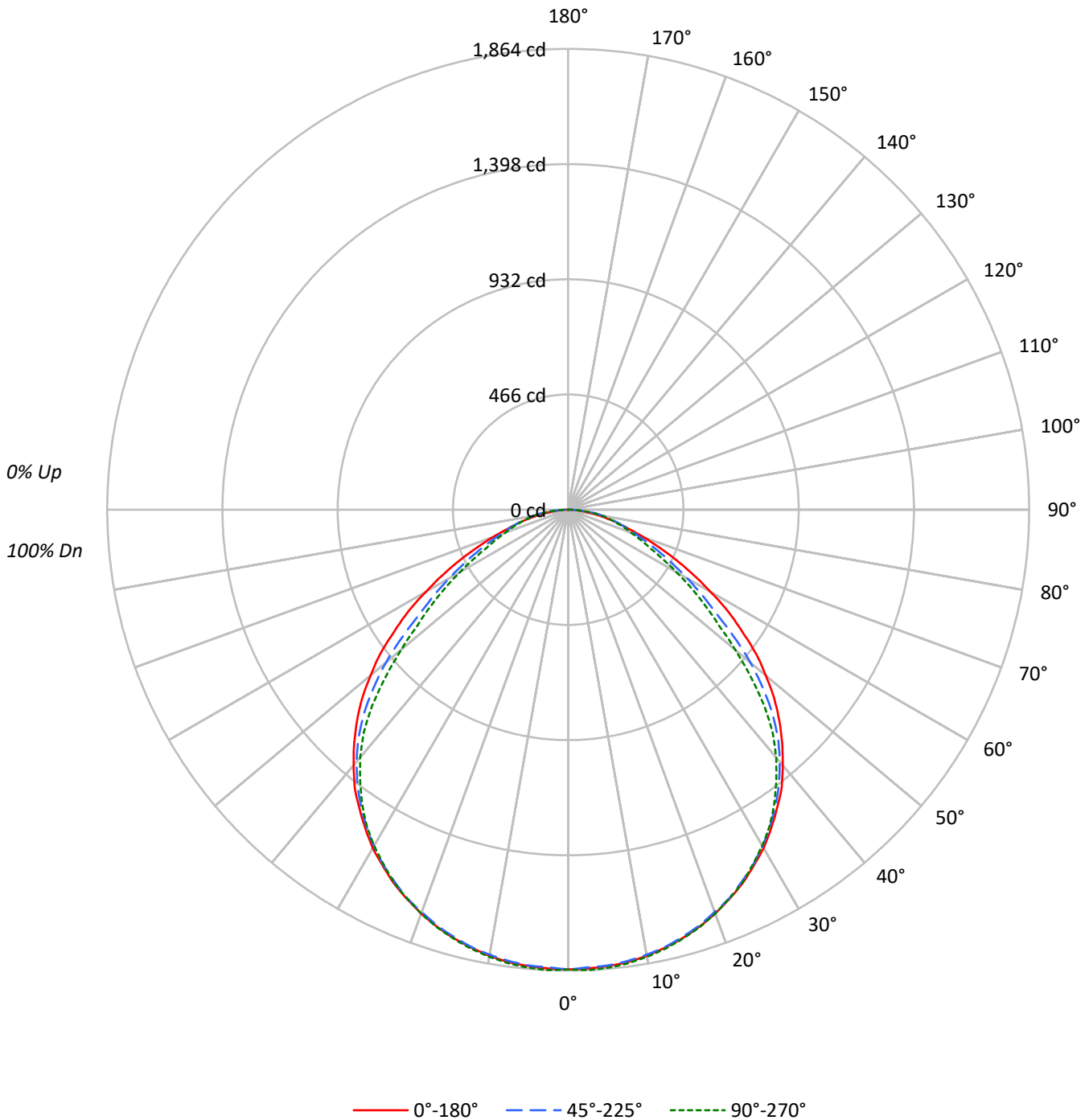
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4637.0 lumens  
Efficiency: N/A  
Efficacy: 113.4 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 (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: P737799

CATALOG NUMBER: 14PT-40-PB1-L830

### 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	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	93	90	91	89	88	86																												
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73																												
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62																												
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																												
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47																												
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																												
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37																												
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																												
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																												
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																												

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

	0°	45°	90°
0°	5575	5575	5575
5°	5576	5569	5597
10°	5578	5564	5592
15°	5566	5552	5573
20°	5546	5524	5546
25°	5516	5493	5508
30°	5472	5440	5432
35°	5392	5349	5316
40°	5282	5210	5121
45°	5121	4956	4752
50°	4865	4492	4107
55°	4484	3814	3539
60°	3991	3333	3031
65°	3424	2888	2580
70°	2827	2546	2366
75°	2385	2437	2305
80°	2015	2488	2369
85°	1572	2518	2202



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.3	3.8
10°-20°	505.9	10.9
20°-30°	766.4	16.5
30°-40°	913.2	19.7
40°-50°	893.1	19.3
50°-60°	675.5	14.6
60°-70°	415.0	8.9
70°-80°	221.1	4.8
80°-90°	70.5	1.5
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°	1448.7	31.2
0°-40°	2361.9	50.9
0°-60°	3930.4	84.8
0°-90°	4637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4637.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1860	1860	1860	1860	1860	
5°	1853	1855	1850	1857	1860	176
15°	1793	1796	1789	1796	1796	506
25°	1668	1665	1661	1663	1665	768
35°	1473	1471	1462	1455	1452	921
45°	1208	1201	1169	1130	1121	929
55°	858	814	730	688	677	768
65°	483	444	407	375	364	480
75°	206	208	210	204	199	221
85°	46	60	73	69	64	55
90°	0	0	0	0	0	



TEST NUMBER: P737799

CATALOG NUMBER: 14PT-40-PB1-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1859.6	1859.6	1859.6	1859.6	1859.6
2.5°	1857.3	1859.6	1852.8	1861.9	1864.2
5°	1852.8	1855.0	1850.5	1857.3	1859.6
7.5°	1845.9	1845.9	1841.3	1848.2	1850.5
10°	1832.2	1832.2	1827.6	1834.5	1836.7
12.5°	1813.9	1813.9	1811.6	1816.2	1818.4
15°	1793.3	1795.6	1788.7	1795.6	1795.6
17.5°	1768.1	1765.8	1763.6	1768.1	1770.4
20°	1738.4	1738.4	1731.5	1736.1	1738.4
22.5°	1704.1	1704.1	1701.8	1704.1	1701.8
25°	1667.5	1665.2	1660.6	1662.9	1665.2
27.5°	1624.0	1624.0	1619.4	1619.4	1617.2
30°	1580.6	1578.3	1571.4	1566.8	1569.1
32.5°	1528.0	1525.7	1518.8	1514.2	1516.5
35°	1473.1	1470.8	1461.6	1454.8	1452.5
37.5°	1418.2	1411.3	1399.9	1390.7	1381.6
40°	1349.5	1342.7	1331.2	1310.7	1308.4
42.5°	1280.9	1274.1	1255.8	1230.6	1223.7
45°	1207.7	1200.9	1168.8	1130.0	1120.8
47.5°	1130.0	1118.5	1068.2	1020.2	1001.9
50°	1043.0	1022.4	963.0	901.2	880.6
52.5°	958.4	921.8	844.0	789.1	768.6
55°	857.8	814.3	729.7	688.5	677.1
57.5°	768.6	709.1	640.5	599.3	590.1
60°	665.6	610.7	555.8	519.2	505.5
62.5°	571.8	523.8	478.1	446.0	430.0
65°	482.6	443.7	407.1	375.1	363.7
67.5°	395.7	375.1	345.4	320.2	313.4
70°	322.5	311.1	290.5	279.1	269.9
72.5°	256.2	260.8	247.0	242.5	235.6
75°	205.9	208.1	210.4	203.6	199.0
77.5°	155.5	167.0	176.1	171.6	167.0
80°	116.7	128.1	144.1	137.2	137.2
82.5°	80.1	93.8	107.5	102.9	100.6
85°	45.7	59.5	73.2	68.6	64.0
87.5°	18.3	29.7	32.0	32.0	29.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)