

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: P737903

Luminaire Tested: **14PT-60-PL1-L830**

Issue Date: 2/8/2024



**Test Information**

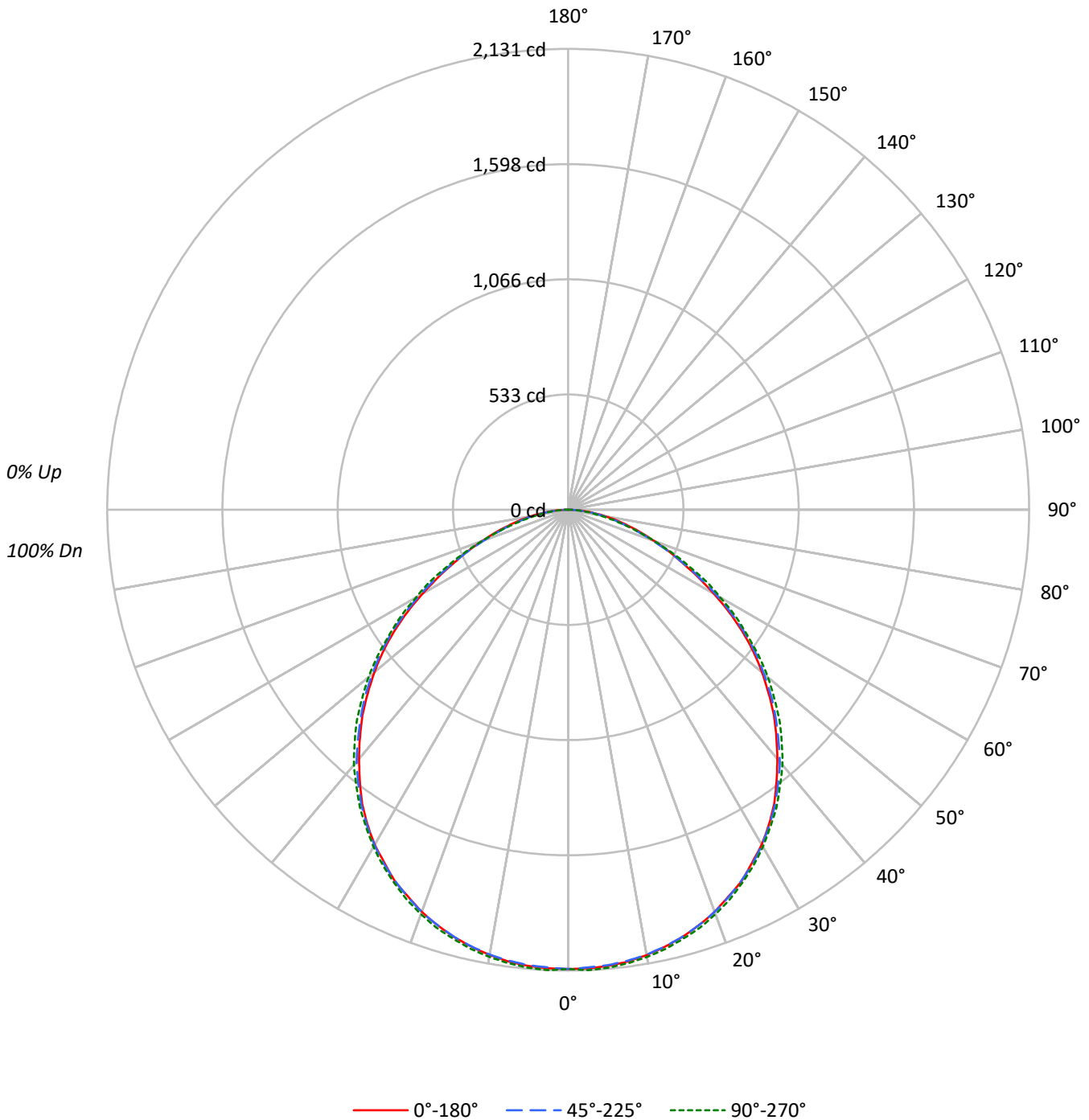
Test Method: LM-79-08  
Report Number: P737903  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PL1-L830  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5599.0 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 49.8  
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	6368	6368	6368
5°	6373	6362	6397
10°	6365	6358	6394
15°	6346	6343	6375
20°	6315	6315	6350
25°	6271	6263	6297
30°	6193	6201	6231
35°	6074	6098	6147
40°	5886	5954	6031
45°	5702	5749	5859
50°	5451	5509	5619
55°	5133	5216	5278
60°	4657	4757	4874
65°	4137	4181	4349
70°	3697	3622	3711
75°	3336	3145	3081
80°	3030	2813	2500
85°	2573	2329	2002



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.5	3.6
10°-20°	577.9	10.3
20°-30°	874.1	15.6
30°-40°	1041.9	18.6
40°-50°	1047.7	18.7
50°-60°	889.2	15.9
60°-70°	592.0	10.6
70°-80°	295.6	5.3
80°-90°	79.1	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°	1653.5	29.5
0°-40°	2695.4	48.1
0°-60°	4632.3	82.7
0°-90°	5599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5599.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2124	2124	2124	2124	2124	
5°	2118	2118	2114	2123	2126	201
15°	2044	2047	2044	2052	2054	577
25°	1896	1896	1893	1902	1904	872
35°	1660	1661	1666	1678	1679	1035
45°	1345	1347	1356	1374	1382	1035
55°	982	989	998	1007	1010	875
65°	583	588	589	598	613	584
75°	288	284	272	265	266	309
85°	75	73	68	64	58	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2124.0	2124.0	2124.0	2124.0	2124.0
2.5°	2122.4	2124.0	2118.5	2128.7	2131.1
5°	2117.7	2118.5	2113.8	2123.2	2125.6
7.5°	2107.5	2108.3	2103.5	2113.8	2115.3
10°	2090.9	2092.5	2088.6	2098.0	2100.4
12.5°	2069.7	2072.1	2068.1	2078.4	2079.9
15°	2044.5	2046.9	2043.7	2052.4	2054.0
17.5°	2013.8	2015.4	2013.8	2021.7	2026.4
20°	1979.2	1979.2	1979.2	1986.3	1990.2
22.5°	1935.9	1939.9	1938.3	1947.7	1951.7
25°	1895.8	1895.8	1893.4	1902.1	1903.7
27.5°	1839.9	1846.2	1845.4	1853.3	1854.9
30°	1788.8	1790.3	1791.1	1796.6	1799.8
32.5°	1726.6	1728.2	1730.5	1738.4	1739.2
35°	1659.7	1661.3	1666.0	1677.8	1679.4
37.5°	1581.8	1590.4	1594.4	1607.0	1608.5
40°	1503.9	1509.4	1521.2	1534.6	1540.9
42.5°	1424.4	1430.7	1437.8	1455.9	1461.4
45°	1344.9	1347.3	1355.9	1374.0	1381.9
47.5°	1256.8	1263.9	1271.7	1287.5	1292.2
50°	1168.6	1176.5	1181.2	1195.4	1204.8
52.5°	1079.7	1086.8	1092.3	1101.0	1110.4
55°	982.1	989.2	997.9	1007.3	1009.7
57.5°	883.0	890.8	896.3	906.6	916.8
60°	776.7	785.4	793.3	802.7	812.9
62.5°	677.6	681.5	689.4	705.1	720.1
65°	583.1	587.9	589.4	598.1	613.0
67.5°	504.4	504.4	497.4	500.5	517.0
70°	421.8	418.7	413.2	410.0	423.4
72.5°	354.9	351.0	339.2	333.7	340.8
75°	288.0	284.1	271.5	265.2	266.0
77.5°	231.4	225.1	214.8	203.8	201.5
80°	175.5	173.1	162.9	152.7	144.8
82.5°	124.3	118.8	113.3	107.0	100.7
85°	74.8	73.2	67.7	63.7	58.2
87.5°	30.7	30.7	29.1	27.5	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)