

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: P737911

Luminaire Tested: **14PT-60-PP3-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PP3-L830  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

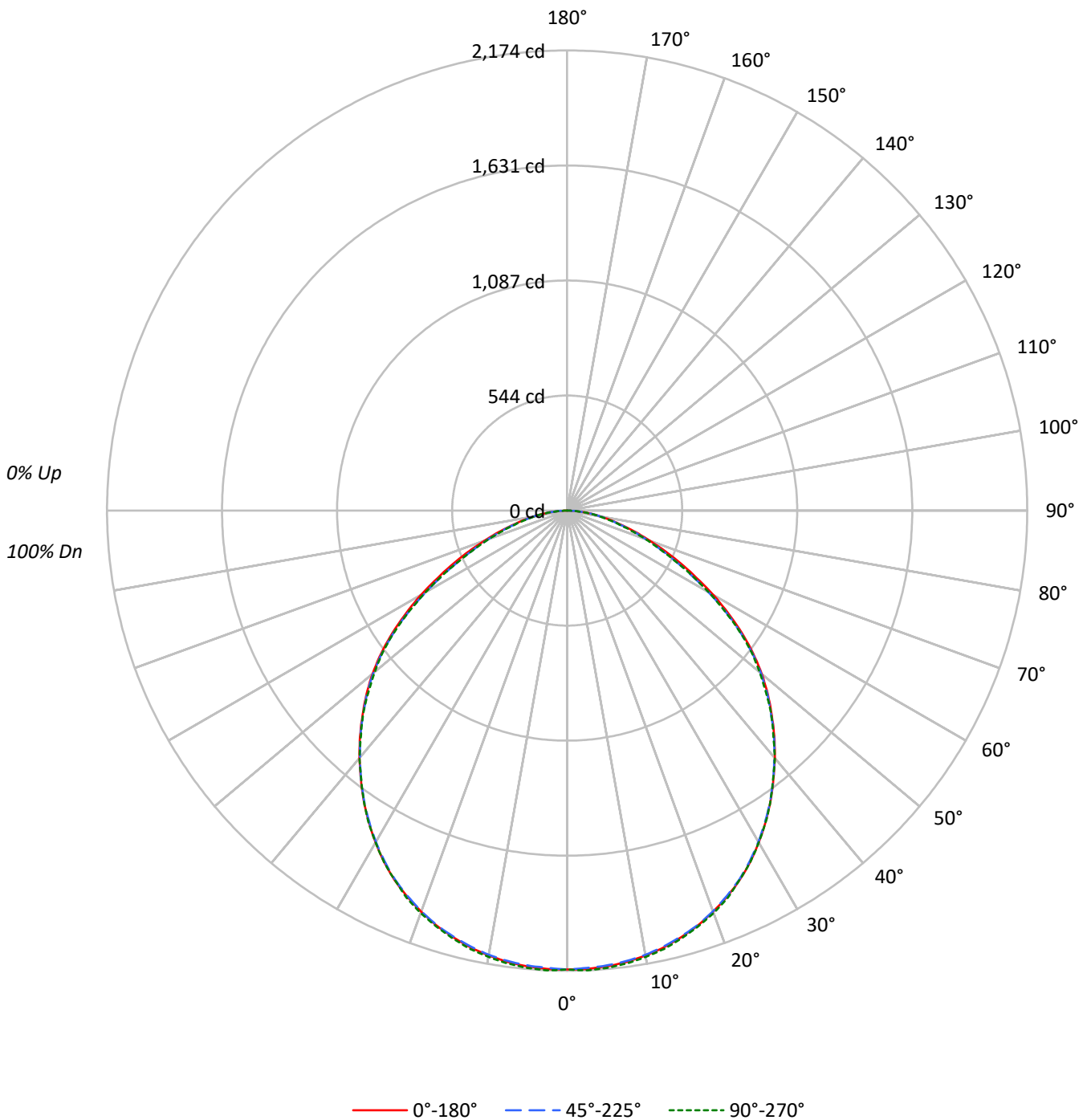
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5602.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
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

TEST NUMBER: P737911  
CATALOG NUMBER: 14PT-60-PP3-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	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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

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

	0°	45°	90°
0°	6500	6500	6500
5°	6506	6492	6527
10°	6497	6488	6519
15°	6475	6463	6493
20°	6433	6428	6455
25°	6376	6365	6373
30°	6269	6255	6269
35°	6132	6123	6129
40°	5975	5957	5972
45°	5796	5779	5786
50°	5601	5576	5535
55°	5274	5212	5195
60°	4785	4624	4634
65°	4204	3992	3986
70°	3635	3469	3428
75°	3145	3027	2963
80°	2785	2745	2623
85°	2301	2384	2246



TEST NUMBER: P737911

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.6	3.7
10°-20°	589.1	10.5
20°-30°	886.8	15.8
30°-40°	1046.7	18.7
40°-50°	1052.7	18.8
50°-60°	888.7	15.9
60°-70°	570.8	10.2
70°-80°	283.9	5.1
80°-90°	77.8	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°	1681.5	30.0
0°-40°	2728.2	48.7
0°-60°	4669.6	83.4
0°-90°	5602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5602.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2168	2168	2168	2168	2168	
5°	2162	2163	2157	2167	2169	205
15°	2086	2087	2082	2092	2092	589
25°	1927	1928	1924	1928	1926	887
35°	1676	1676	1673	1675	1675	1047
45°	1367	1372	1363	1365	1365	1055
55°	1009	1008	997	993	994	897
65°	593	584	563	557	562	591
75°	272	270	261	259	256	294
85°	67	69	69	65	65	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2168.1	2168.1	2168.1	2168.1	2168.1
2.5°	2167.3	2168.1	2162.6	2172.8	2174.4
5°	2161.8	2162.6	2157.1	2167.3	2168.9
7.5°	2150.8	2151.6	2146.8	2156.3	2157.9
10°	2134.3	2136.6	2131.1	2139.8	2141.3
12.5°	2113.8	2114.6	2109.1	2119.3	2120.9
15°	2086.2	2087.0	2082.3	2091.8	2091.8
17.5°	2054.8	2055.6	2052.4	2060.3	2059.5
20°	2016.2	2018.6	2014.6	2020.1	2023.3
22.5°	1974.5	1975.3	1970.6	1977.6	1980.8
25°	1927.3	1928.1	1924.1	1928.1	1926.5
27.5°	1872.2	1873.8	1868.3	1872.2	1873.0
30°	1810.8	1814.7	1806.9	1810.0	1810.8
32.5°	1744.7	1747.1	1741.6	1742.3	1746.3
35°	1675.5	1676.2	1673.1	1674.7	1674.7
37.5°	1600.7	1603.8	1599.1	1601.5	1598.3
40°	1526.7	1523.6	1522.0	1523.6	1525.9
42.5°	1448.8	1449.6	1447.2	1445.7	1441.7
45°	1367.0	1371.7	1363.0	1364.6	1364.6
47.5°	1286.7	1287.5	1282.8	1278.0	1274.9
50°	1200.9	1200.9	1195.4	1191.5	1186.7
52.5°	1107.3	1105.7	1099.4	1095.5	1097.8
55°	1008.9	1008.1	997.1	993.2	993.9
57.5°	901.1	902.7	886.1	882.2	882.2
60°	798.0	790.1	771.2	765.7	772.8
62.5°	690.2	680.7	660.3	660.3	665.8
65°	592.6	583.9	562.7	557.2	561.9
67.5°	501.3	493.4	473.8	470.6	472.2
70°	414.7	407.6	395.8	388.8	391.1
72.5°	340.0	333.7	325.8	320.3	317.1
75°	271.5	269.9	261.3	258.9	255.8
77.5°	214.8	214.1	207.0	203.8	200.7
80°	161.3	160.5	159.0	154.2	151.9
82.5°	114.9	114.9	114.1	110.2	107.8
85°	66.9	69.3	69.3	65.3	65.3
87.5°	26.8	28.3	26.8	26.8	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)