

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: P737906

Luminaire Tested: **14PT-60-PL1-L850**

Issue Date: 2/8/2024



**Test Information**

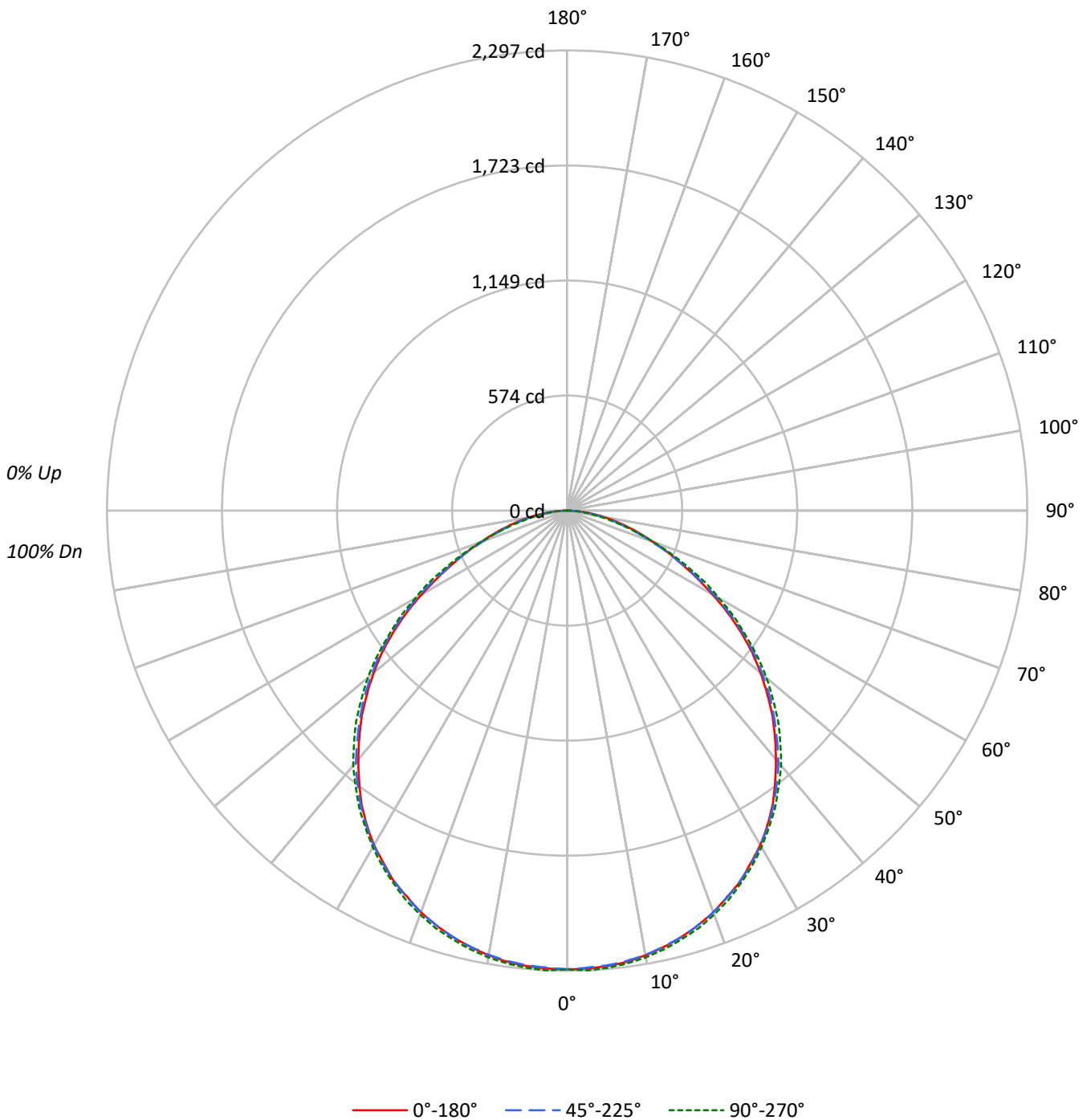
Test Method: LM-79-08  
Report Number: P737906  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PL1-L850  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6036.0 lumens  
Efficiency: N/A  
Efficacy: 121.2 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°	6865	6865	6865
5°	6871	6858	6896
10°	6862	6855	6893
15°	6841	6838	6873
20°	6808	6808	6845
25°	6761	6752	6789
30°	6676	6685	6717
35°	6548	6573	6626
40°	6345	6418	6501
45°	6147	6198	6317
50°	5876	5939	6058
55°	5534	5623	5690
60°	5021	5128	5255
65°	4459	4508	4688
70°	3986	3904	4001
75°	3597	3391	3322
80°	3267	3032	2695
85°	2773	2511	2160



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.2	3.6
10°-20°	623.0	10.3
20°-30°	942.3	15.6
30°-40°	1123.2	18.6
40°-50°	1129.5	18.7
50°-60°	958.6	15.9
60°-70°	638.2	10.6
70°-80°	318.7	5.3
80°-90°	85.3	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°	1782.5	29.5
0°-40°	2905.7	48.1
0°-60°	4993.8	82.7
0°-90°	6036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6036.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2290	2290	2290	2290	2290	
5°	2283	2284	2279	2289	2292	217
15°	2204	2207	2203	2213	2214	622
25°	2044	2044	2041	2050	2052	940
35°	1789	1791	1796	1809	1810	1116
45°	1450	1452	1462	1481	1490	1115
55°	1059	1066	1076	1086	1088	944
65°	629	634	635	645	661	630
75°	310	306	293	286	287	333
85°	81	79	73	69	63	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2289.8	2289.8	2289.8	2289.8	2289.8
2.5°	2288.1	2289.8	2283.8	2294.9	2297.4
5°	2283.0	2283.8	2278.7	2288.9	2291.5
7.5°	2272.0	2272.8	2267.7	2278.7	2280.4
10°	2254.1	2255.8	2251.6	2261.8	2264.3
12.5°	2231.2	2233.8	2229.5	2240.6	2242.3
15°	2204.1	2206.6	2203.2	2212.6	2214.3
17.5°	2171.0	2172.7	2171.0	2179.5	2184.6
20°	2133.7	2133.7	2133.7	2141.3	2145.6
22.5°	2087.0	2091.3	2089.6	2099.7	2104.0
25°	2043.7	2043.7	2041.2	2050.5	2052.2
27.5°	1983.5	1990.3	1989.5	1997.9	1999.6
30°	1928.4	1930.1	1930.9	1936.9	1940.2
32.5°	1861.3	1863.0	1865.6	1874.1	1874.9
35°	1789.2	1790.9	1796.0	1808.7	1810.4
37.5°	1705.2	1714.6	1718.8	1732.4	1734.1
40°	1621.3	1627.2	1639.9	1654.3	1661.1
42.5°	1535.6	1542.4	1550.0	1569.5	1575.4
45°	1449.9	1452.4	1461.8	1481.3	1489.8
47.5°	1354.9	1362.5	1371.0	1387.9	1393.0
50°	1259.8	1268.3	1273.4	1288.7	1298.9
52.5°	1164.0	1171.6	1177.6	1186.9	1197.1
55°	1058.8	1066.4	1075.7	1085.9	1088.5
57.5°	951.9	960.4	966.3	977.3	988.4
60°	837.4	846.7	855.2	865.3	876.4
62.5°	730.5	734.7	743.2	760.1	776.3
65°	628.6	633.7	635.4	644.8	660.9
67.5°	543.8	543.8	536.2	539.6	557.4
70°	454.7	451.3	445.4	442.0	456.4
72.5°	382.6	378.4	365.7	359.7	367.3
75°	310.5	306.3	292.7	285.9	286.8
77.5°	249.4	242.6	231.6	219.7	217.2
80°	189.2	186.6	175.6	164.6	156.1
82.5°	134.0	128.1	122.2	115.4	108.6
85°	80.6	78.9	73.0	68.7	62.8
87.5°	33.1	33.1	31.4	29.7	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)