

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: P737930

Luminaire Tested: **14PT-60-PW1-L850**

Issue Date: 2/8/2024



**Test Information**

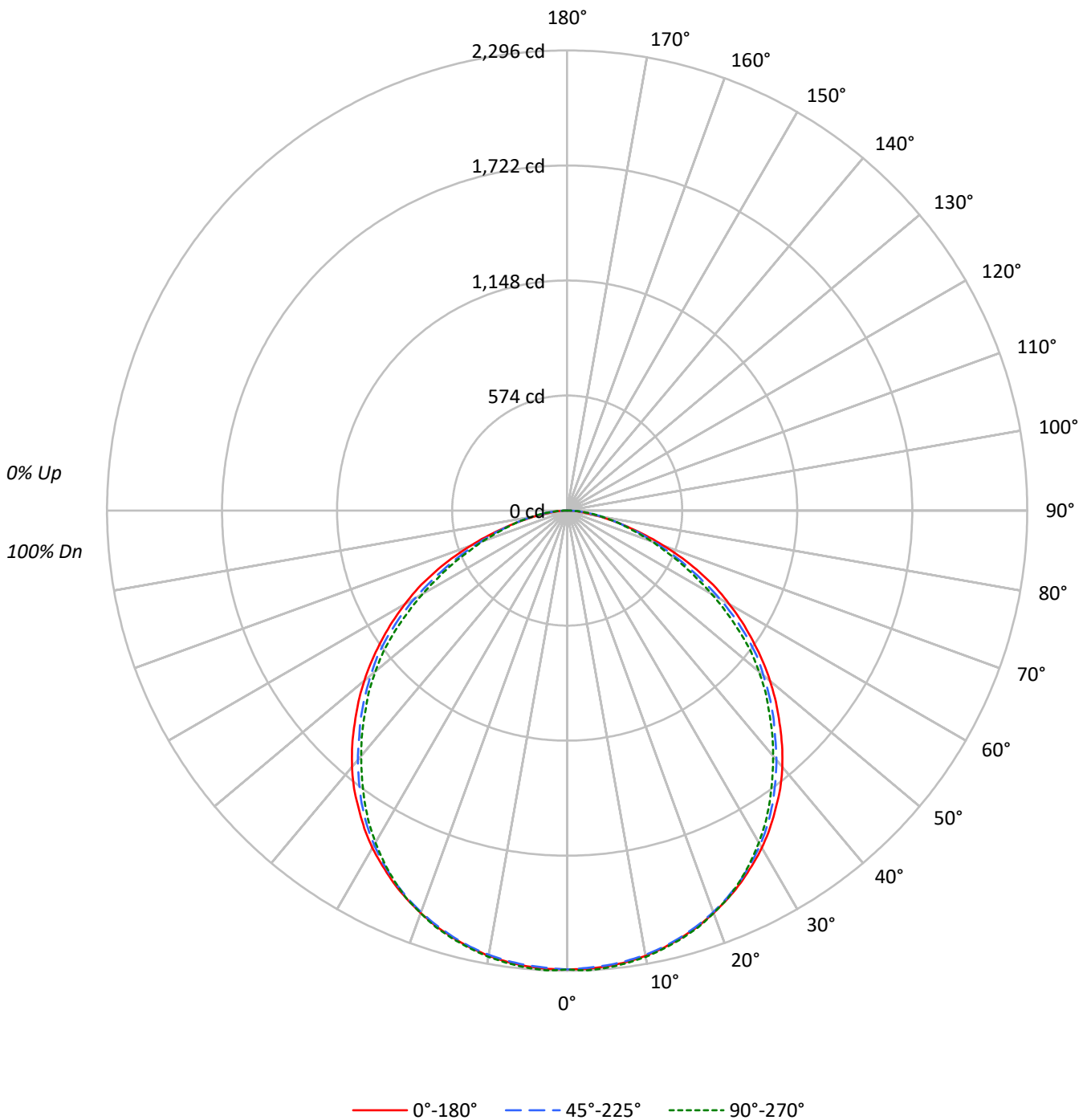
Test Method: LM-79-08  
Report Number: P737930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PW1-L850  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6076.0 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 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

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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	6864	6864	6864
5°	6870	6855	6891
10°	6867	6852	6885
15°	6846	6836	6862
20°	6818	6801	6818
25°	6780	6752	6746
30°	6728	6669	6623
35°	6638	6539	6455
40°	6537	6358	6258
45°	6356	6169	6043
50°	6165	5963	5824
55°	5906	5707	5480
60°	5600	5270	4995
65°	5181	4706	4471
70°	4492	4097	3941
75°	3586	3509	3410
80°	2724	3047	3047
85°	2012	2597	2597



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.1	3.6
10°-20°	622.8	10.2
20°-30°	941.2	15.5
30°-40°	1117.6	18.4
40°-50°	1126.0	18.5
50°-60°	973.3	16.0
60°-70°	665.2	10.9
70°-80°	328.0	5.4
80°-90°	84.8	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°	1781.1	29.3
0°-40°	2898.7	47.7
0°-60°	4998.0	82.3
0°-90°	6076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2290	2290	2290	2290	2290	
5°	2283	2284	2278	2287	2290	217
15°	2206	2208	2202	2210	2211	623
25°	2050	2048	2041	2043	2039	944
35°	1814	1808	1787	1770	1764	1135
45°	1499	1483	1455	1438	1425	1157
55°	1130	1127	1092	1060	1048	1010
65°	730	704	663	634	630	721
75°	310	307	303	303	294	337
85°	58	69	76	77	76	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2289.6	2289.6	2289.6	2289.6	2289.6
2.5°	2288.8	2289.6	2283.7	2293.9	2296.4
5°	2282.8	2283.7	2277.8	2287.1	2289.6
7.5°	2271.8	2273.5	2266.7	2276.1	2277.8
10°	2255.7	2256.5	2250.6	2259.9	2261.6
12.5°	2233.6	2234.5	2229.4	2237.9	2237.9
15°	2205.6	2208.2	2202.3	2209.9	2210.7
17.5°	2174.3	2175.1	2169.2	2177.7	2179.3
20°	2136.9	2136.9	2131.8	2138.6	2136.9
22.5°	2095.4	2095.4	2089.4	2092.8	2094.5
25°	2049.6	2047.9	2041.1	2042.8	2039.4
27.5°	1997.0	1997.0	1985.1	1985.1	1979.1
30°	1943.5	1939.3	1926.5	1918.9	1913.0
32.5°	1882.4	1876.5	1860.4	1846.8	1842.6
35°	1813.7	1807.8	1786.6	1770.5	1763.7
37.5°	1747.6	1734.0	1706.0	1689.9	1682.2
40°	1670.4	1653.4	1624.5	1602.5	1599.1
42.5°	1587.2	1573.6	1536.3	1520.2	1516.0
45°	1499.0	1482.9	1454.9	1437.9	1425.2
47.5°	1412.5	1400.6	1368.3	1348.0	1343.7
50°	1321.7	1311.5	1278.4	1256.4	1248.7
52.5°	1227.5	1220.7	1192.7	1164.8	1155.4
55°	1130.0	1126.6	1091.8	1059.6	1048.5
57.5°	1034.1	1029.9	986.6	949.3	939.1
60°	934.0	921.3	878.9	844.1	833.1
62.5°	839.0	811.8	766.0	738.9	726.2
65°	730.4	704.1	663.4	634.5	630.3
67.5°	623.5	592.1	560.7	542.9	529.4
70°	512.4	491.2	467.4	452.2	449.6
72.5°	408.9	393.6	381.7	372.4	364.8
75°	309.6	307.1	302.9	302.9	294.4
77.5°	227.4	233.3	236.7	235.8	237.5
80°	157.8	169.7	176.5	177.3	176.5
82.5°	100.1	113.7	124.7	126.4	128.1
85°	58.5	68.7	75.5	77.2	75.5
87.5°	26.3	33.1	34.8	36.5	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)