

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: P737928

Luminaire Tested: **14PT-60-PW1-L835**

Issue Date: 2/8/2024



**Test Information**

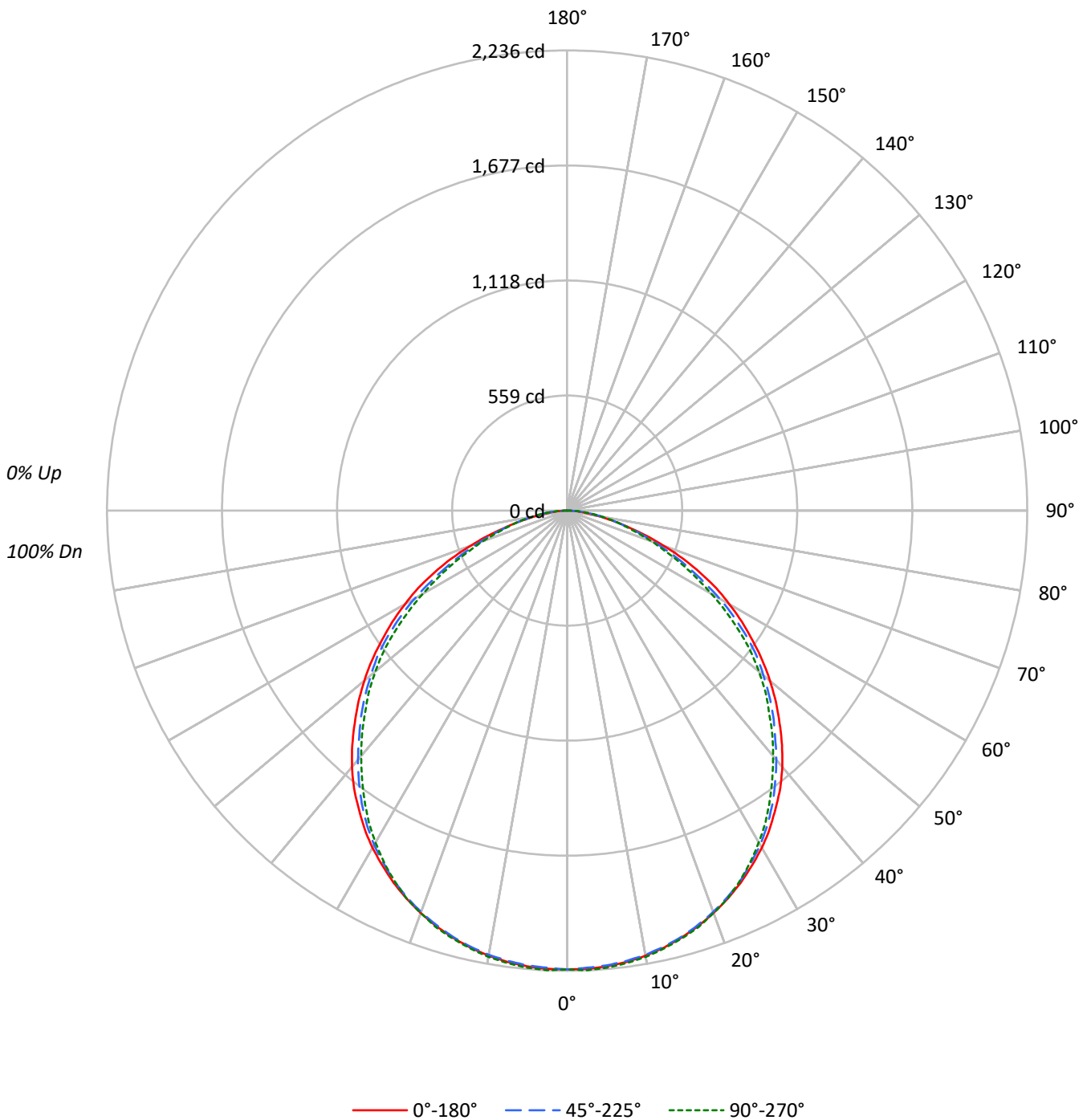
Test Method: LM-79-08  
Report Number: P737928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PW1-L835  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5916.0 lumens  
Efficiency: N/A  
Efficacy: 118.8 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°	6684	6684	6684
5°	6689	6675	6709
10°	6686	6671	6704
15°	6666	6656	6681
20°	6638	6622	6638
25°	6601	6574	6569
30°	6551	6494	6448
35°	6464	6367	6285
40°	6365	6191	6094
45°	6188	6006	5884
50°	6002	5806	5671
55°	5751	5556	5336
60°	5453	5131	4863
65°	5045	4582	4354
70°	4373	3989	3838
75°	3492	3416	3320
80°	2652	2966	2966
85°	1961	2528	2528



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.4	3.6
10°-20°	606.4	10.2
20°-30°	916.4	15.5
30°-40°	1088.2	18.4
40°-50°	1096.3	18.5
50°-60°	947.6	16.0
60°-70°	647.7	10.9
70°-80°	319.4	5.4
80°-90°	82.6	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°	1734.2	29.3
0°-40°	2822.4	47.7
0°-60°	4866.3	82.3
0°-90°	5916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5916.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2223	2224	2218	2227	2229	211
15°	2148	2150	2144	2152	2152	606
25°	1996	1994	1987	1989	1986	919
35°	1766	1760	1740	1724	1717	1105
45°	1460	1444	1417	1400	1388	1126
55°	1100	1097	1063	1032	1021	984
65°	711	686	646	618	614	702
75°	302	299	295	295	287	329
85°	57	67	74	75	74	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2229.3	2229.3	2229.3	2229.3	2229.3
2.5°	2228.5	2229.3	2223.6	2233.5	2235.9
5°	2222.7	2223.6	2217.8	2226.9	2229.3
7.5°	2212.0	2213.6	2207.0	2216.1	2217.8
10°	2196.3	2197.1	2191.3	2200.4	2202.1
12.5°	2174.8	2175.6	2170.7	2179.0	2179.0
15°	2147.6	2150.0	2144.3	2151.7	2152.5
17.5°	2117.0	2117.8	2112.0	2120.3	2122.0
20°	2080.7	2080.7	2075.7	2082.3	2080.7
22.5°	2040.2	2040.2	2034.4	2037.7	2039.4
25°	1995.6	1993.9	1987.3	1989.0	1985.7
27.5°	1944.4	1944.4	1932.8	1932.8	1927.0
30°	1892.3	1888.2	1875.8	1868.4	1862.6
32.5°	1832.9	1827.1	1811.4	1798.2	1794.0
35°	1766.0	1760.2	1739.5	1723.8	1717.2
37.5°	1701.5	1688.3	1661.1	1645.4	1637.9
40°	1626.4	1609.8	1581.8	1560.3	1557.0
42.5°	1545.4	1532.2	1495.9	1480.2	1476.0
45°	1459.5	1443.8	1416.6	1400.0	1387.7
47.5°	1375.3	1363.7	1332.3	1312.5	1308.4
50°	1286.9	1277.0	1244.8	1223.3	1215.9
52.5°	1195.2	1188.6	1161.3	1134.1	1125.0
55°	1100.2	1096.9	1063.0	1031.7	1020.9
57.5°	1006.9	1002.7	960.6	924.3	914.4
60°	909.4	897.0	855.7	821.9	811.1
62.5°	816.9	790.5	745.9	719.4	707.0
65°	711.2	685.6	645.9	617.8	613.7
67.5°	607.1	576.5	546.0	528.6	515.4
70°	498.9	478.2	455.1	440.3	437.8
72.5°	398.1	383.3	371.7	362.6	355.2
75°	301.5	299.0	294.9	294.9	286.6
77.5°	221.4	227.1	230.5	229.6	231.3
80°	153.6	165.2	171.8	172.6	171.8
82.5°	97.5	110.7	121.4	123.1	124.7
85°	57.0	66.9	73.5	75.2	73.5
87.5°	25.6	32.2	33.9	35.5	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)