

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: P737856

Luminaire Tested: **14PT-50-PL1-L835**

Issue Date: 2/8/2024



**Test Information**

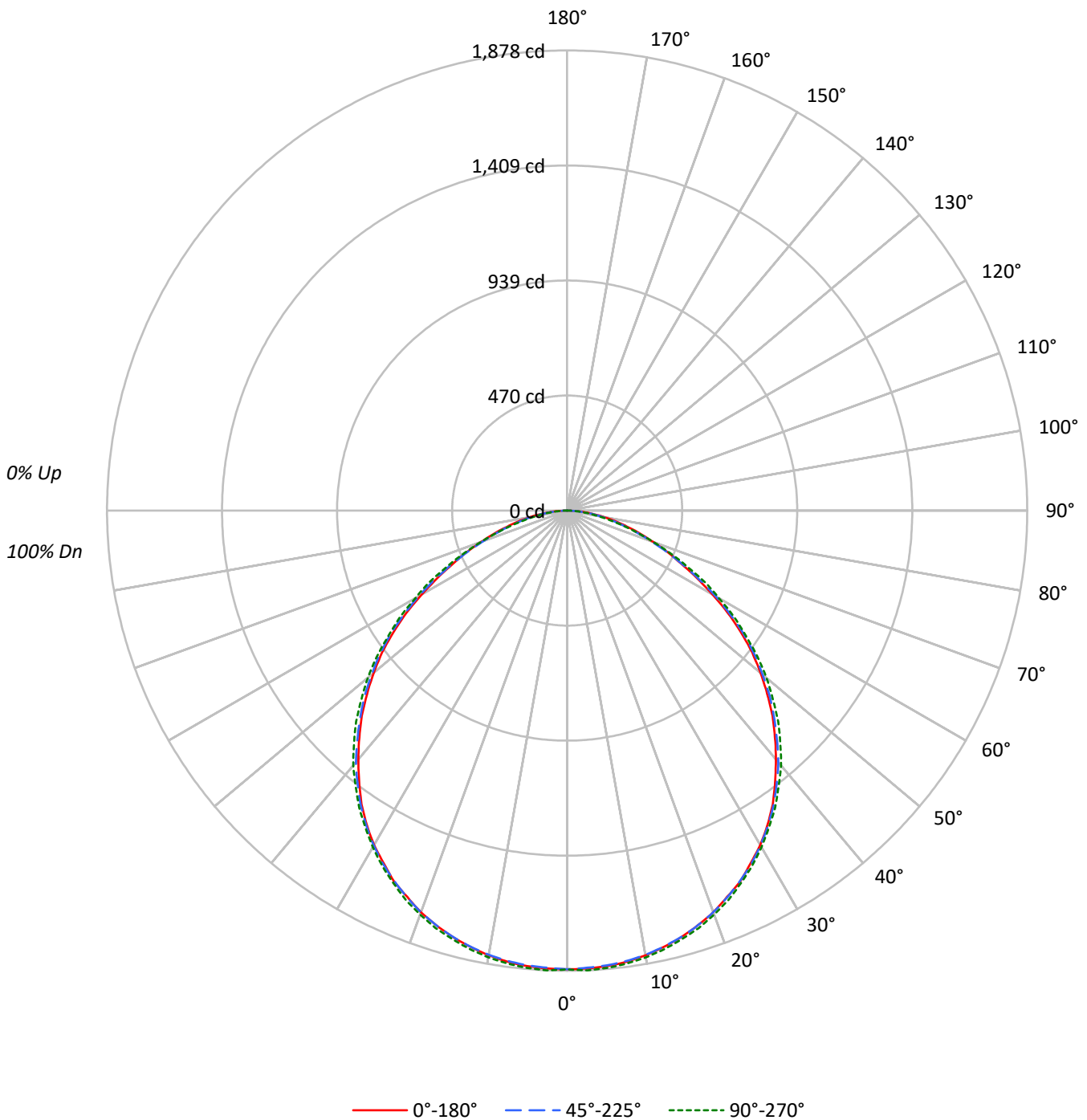
Test Method: LM-79-08  
Report Number: P737856  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-50-PL1-L835  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4935.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 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): 40.9  
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°	5613	5613	5613
5°	5618	5607	5638
10°	5611	5604	5636
15°	5593	5591	5619
20°	5566	5566	5597
25°	5528	5521	5551
30°	5458	5465	5492
35°	5354	5374	5417
40°	5188	5247	5315
45°	5026	5067	5164
50°	4804	4856	4953
55°	4525	4597	4651
60°	4105	4193	4296
65°	3646	3685	3833
70°	3259	3192	3271
75°	2941	2772	2715
80°	2671	2479	2203
85°	2267	2054	1765



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.6	3.6
10°-20°	509.4	10.3
20°-30°	770.4	15.6
30°-40°	918.3	18.6
40°-50°	923.5	18.7
50°-60°	783.7	15.9
60°-70°	521.8	10.6
70°-80°	260.6	5.3
80°-90°	69.7	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°	1457.4	29.5
0°-40°	2375.7	48.1
0°-60°	4082.9	82.7
0°-90°	4935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4935.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1867	1867	1863	1871	1874	177
15°	1802	1804	1801	1809	1810	508
25°	1671	1671	1669	1676	1678	768
35°	1463	1464	1468	1479	1480	913
45°	1185	1188	1195	1211	1218	912
55°	866	872	880	888	890	772
65°	514	518	520	527	540	515
75°	254	250	239	234	234	273
85°	66	64	60	56	51	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1872.1	1872.1	1872.1	1872.1	1872.1
2.5°	1870.7	1872.1	1867.3	1876.3	1878.4
5°	1866.6	1867.3	1863.1	1871.4	1873.5
7.5°	1857.5	1858.2	1854.1	1863.1	1864.5
10°	1843.0	1844.4	1840.9	1849.2	1851.3
12.5°	1824.2	1826.3	1822.9	1831.9	1833.3
15°	1802.1	1804.1	1801.4	1809.0	1810.4
17.5°	1775.0	1776.4	1775.0	1781.9	1786.1
20°	1744.5	1744.5	1744.5	1750.7	1754.2
22.5°	1706.3	1709.8	1708.4	1716.7	1720.2
25°	1671.0	1671.0	1668.9	1676.5	1677.9
27.5°	1621.7	1627.3	1626.6	1633.5	1634.9
30°	1576.6	1578.0	1578.7	1583.6	1586.3
32.5°	1521.8	1523.2	1525.3	1532.2	1532.9
35°	1462.9	1464.3	1468.4	1478.8	1480.2
37.5°	1394.2	1401.8	1405.3	1416.4	1417.8
40°	1325.5	1330.4	1340.8	1352.6	1358.1
42.5°	1255.5	1261.0	1267.3	1283.2	1288.1
45°	1185.4	1187.5	1195.1	1211.1	1218.0
47.5°	1107.7	1114.0	1120.9	1134.8	1138.9
50°	1030.0	1037.0	1041.1	1053.6	1061.9
52.5°	951.7	957.9	962.8	970.4	978.7
55°	865.7	871.9	879.5	887.8	889.9
57.5°	778.3	785.2	790.0	799.1	808.1
60°	684.6	692.2	699.2	707.5	716.5
62.5°	597.2	600.7	607.6	621.5	634.7
65°	514.0	518.1	519.5	527.2	540.3
67.5°	444.6	444.6	438.4	441.1	455.7
70°	371.8	369.0	364.2	361.4	373.2
72.5°	312.8	309.4	299.0	294.1	300.3
75°	253.9	250.4	239.3	233.8	234.4
77.5°	203.9	198.4	189.4	179.7	177.6
80°	154.7	152.6	143.6	134.6	127.6
82.5°	109.6	104.7	99.9	94.3	88.8
85°	65.9	64.5	59.7	56.2	51.3
87.5°	27.1	27.1	25.7	24.3	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)