

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: P738224

Luminaire Tested: **22PT-50-PB1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PB1-L835  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

**Summary**

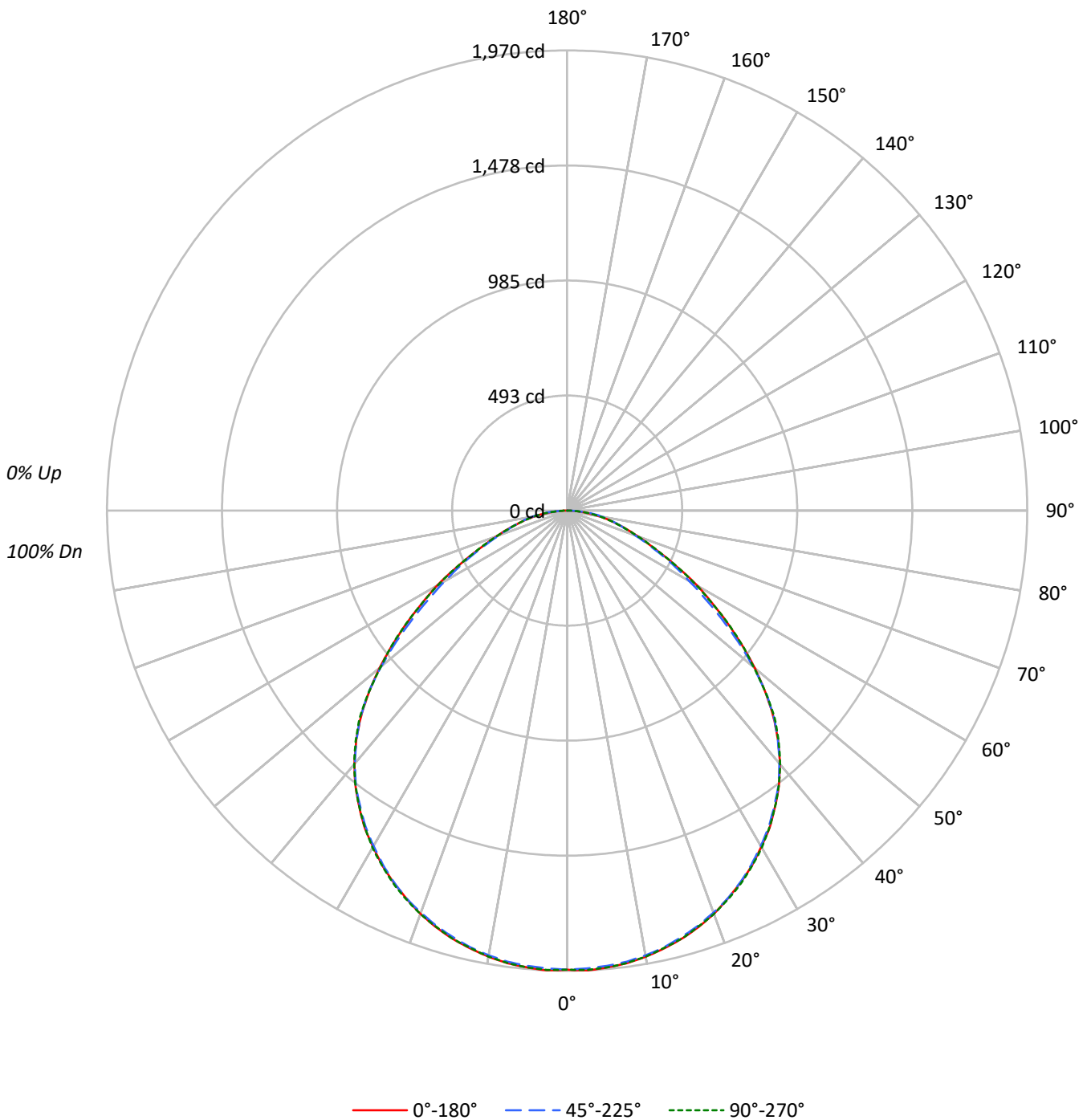
Lumens per Lamp: N/A  
Luminaire Lumens: 4956.0 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.3  
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64					62				
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49					47				
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43					41				
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39					37				
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29					27				

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

	0°	45°	90°
0°	5760	5760	5760
5°	5775	5756	5775
10°	5770	5751	5768
15°	5757	5735	5754
20°	5728	5711	5730
25°	5681	5675	5694
30°	5623	5610	5639
35°	5548	5528	5548
40°	5419	5407	5425
45°	5175	5185	5205
50°	4779	4739	4746
55°	4270	4127	4286
60°	3769	3540	3746
65°	3158	3058	3158
70°	2738	2663	2752
75°	2496	2532	2496
80°	2345	2548	2359
85°	2041	2498	2094



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	3.8
10°-20°	534.5	10.8
20°-30°	809.4	16.3
30°-40°	968.0	19.5
40°-50°	958.5	19.3
50°-60°	736.9	14.9
60°-70°	448.8	9.1
70°-80°	237.5	4.8
80°-90°	76.1	1.5
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°	1530.3	30.9
0°-40°	2498.3	50.4
0°-60°	4193.7	84.6
0°-90°	4956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1966	1966	1966	1966	1966	
5°	1963	1962	1957	1960	1963	187
15°	1898	1894	1890	1894	1897	535
25°	1757	1756	1756	1758	1761	810
35°	1551	1549	1545	1550	1551	969
45°	1249	1250	1251	1252	1256	958
55°	836	825	808	822	839	749
65°	456	444	441	440	456	460
75°	220	220	224	222	220	237
85°	61	70	74	70	62	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1965.7	1965.7	1965.7	1965.7	1965.7
2.5°	1970.5	1967.3	1961.7	1965.7	1968.1
5°	1963.3	1962.5	1956.9	1960.1	1963.3
7.5°	1954.5	1952.1	1948.1	1951.3	1953.7
10°	1939.3	1937.7	1932.9	1936.9	1938.5
12.5°	1920.1	1918.5	1915.3	1918.5	1917.7
15°	1897.7	1894.5	1890.5	1894.5	1896.9
17.5°	1869.8	1866.6	1863.4	1865.8	1867.4
20°	1837.0	1832.2	1831.4	1834.6	1837.8
22.5°	1797.9	1797.9	1797.1	1799.5	1801.1
25°	1757.1	1755.5	1755.5	1757.9	1761.1
27.5°	1713.2	1710.0	1708.4	1712.4	1714.8
30°	1662.0	1661.2	1658.0	1664.4	1666.8
32.5°	1612.5	1604.5	1606.1	1609.3	1610.1
35°	1551.0	1549.4	1545.4	1550.2	1551.0
37.5°	1488.6	1487.8	1485.4	1487.0	1487.8
40°	1416.7	1415.9	1413.5	1416.7	1418.3
42.5°	1336.8	1335.2	1335.2	1337.6	1340.0
45°	1248.9	1249.7	1251.3	1252.1	1256.1
47.5°	1150.6	1152.2	1153.8	1152.2	1153.0
50°	1048.4	1047.6	1039.6	1045.2	1041.2
52.5°	940.5	928.5	922.1	934.9	943.7
55°	835.8	824.6	807.8	822.2	839.0
57.5°	735.1	715.9	698.4	715.1	731.9
60°	643.2	613.7	604.1	614.5	639.2
62.5°	545.0	524.2	521.0	522.6	544.2
65°	455.5	444.3	441.1	440.3	455.5
67.5°	381.9	374.8	370.8	374.0	383.5
70°	319.6	316.4	310.8	316.4	321.2
72.5°	268.5	267.7	262.9	267.7	266.1
75°	220.5	220.5	223.7	222.1	220.5
77.5°	179.8	181.4	187.0	182.2	177.4
80°	139.0	143.0	151.0	143.8	139.8
82.5°	99.1	107.9	116.7	107.9	102.3
85°	60.7	69.5	74.3	70.3	62.3
87.5°	26.4	31.2	32.8	30.4	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)