

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: P737800

Luminaire Tested: **14PT-40-PB1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PB1-L835  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

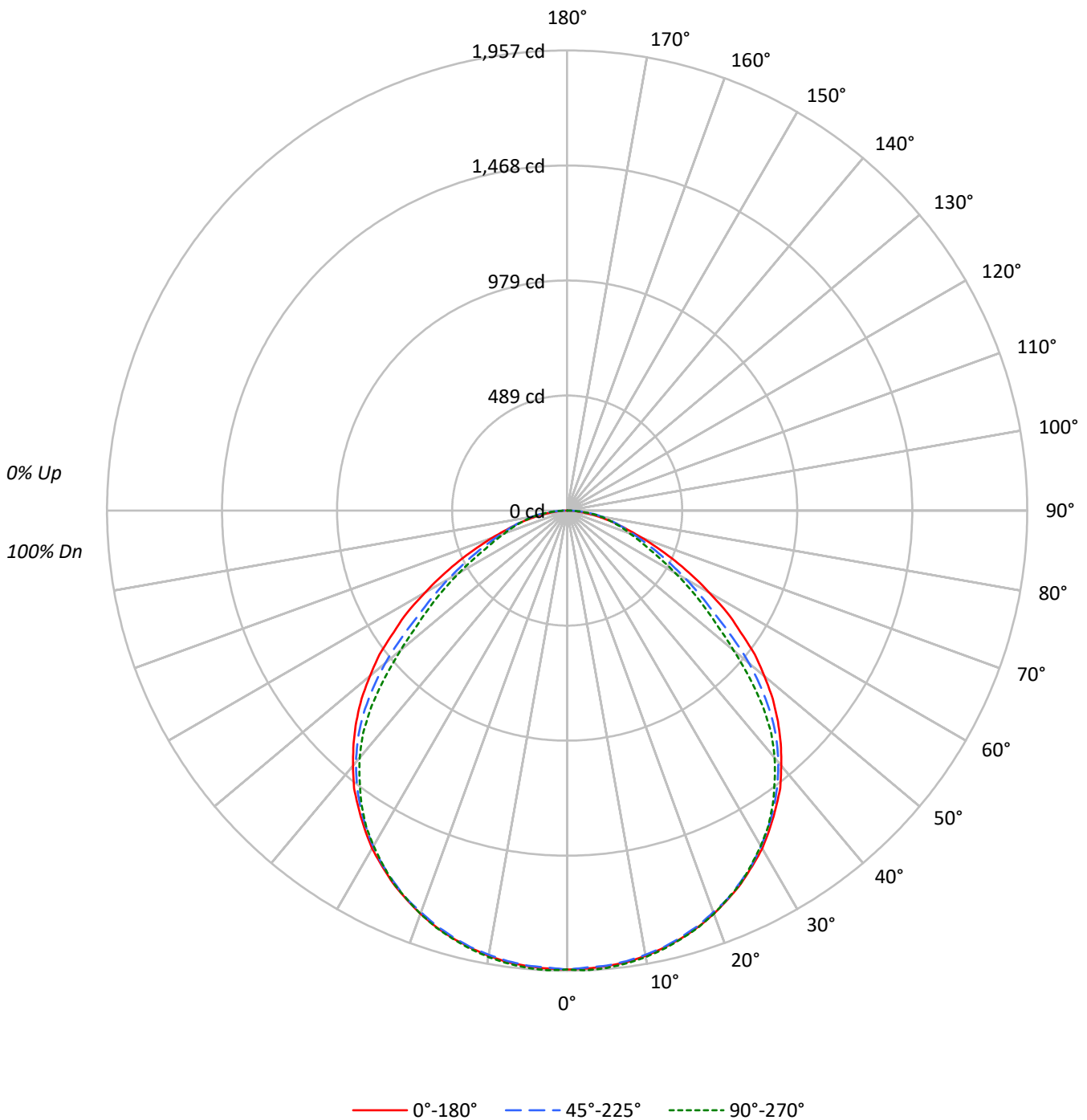
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4867.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
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 (Ain): 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

TEST NUMBER: P737800  
CATALOG NUMBER: 14PT-40-PB1-L835

### 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	93	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

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

	0°	45°	90°
0°	5852	5852	5852
5°	5853	5845	5874
10°	5854	5840	5869
15°	5842	5827	5849
20°	5821	5798	5821
25°	5790	5766	5782
30°	5743	5710	5702
35°	5659	5615	5580
40°	5544	5469	5375
45°	5375	5202	4988
50°	5106	4714	4311
55°	4706	4003	3714
60°	4189	3498	3182
65°	3594	3031	2708
70°	2967	2673	2483
75°	2503	2559	2420
80°	2113	2612	2486
85°	1651	2642	2312



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.1	3.8
10°-20°	531.0	10.9
20°-30°	804.4	16.5
30°-40°	958.5	19.7
40°-50°	937.3	19.3
50°-60°	709.0	14.6
60°-70°	435.6	8.9
70°-80°	232.1	4.8
80°-90°	74.0	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°	1520.5	31.2
0°-40°	2479.0	50.9
0°-60°	4125.3	84.8
0°-90°	4867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1952	1952	1952	1952	1952	
5°	1945	1947	1942	1950	1952	185
15°	1882	1885	1877	1885	1885	531
25°	1750	1748	1743	1745	1748	806
35°	1546	1544	1534	1527	1524	967
45°	1268	1260	1227	1186	1176	975
55°	900	855	766	723	711	806
65°	507	466	427	394	382	504
75°	216	218	221	214	209	232
85°	48	62	77	72	67	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1951.9	1951.9	1951.9	1951.9	1951.9
2.5°	1949.5	1951.9	1944.7	1954.3	1956.7
5°	1944.7	1947.1	1942.3	1949.5	1951.9
7.5°	1937.5	1937.5	1932.7	1939.9	1942.3
10°	1923.0	1923.0	1918.2	1925.4	1927.9
12.5°	1903.8	1903.8	1901.4	1906.2	1908.6
15°	1882.2	1884.6	1877.4	1884.6	1884.6
17.5°	1855.8	1853.4	1851.0	1855.8	1858.2
20°	1824.6	1824.6	1817.4	1822.2	1824.6
22.5°	1788.6	1788.6	1786.2	1788.6	1786.2
25°	1750.2	1747.8	1743.0	1745.4	1747.8
27.5°	1704.6	1704.6	1699.8	1699.8	1697.4
30°	1659.0	1656.6	1649.4	1644.6	1647.0
32.5°	1603.7	1601.3	1594.1	1589.3	1591.7
35°	1546.1	1543.7	1534.1	1526.9	1524.5
37.5°	1488.5	1481.3	1469.3	1459.7	1450.1
40°	1416.5	1409.3	1397.3	1375.7	1373.3
42.5°	1344.5	1337.3	1318.0	1291.6	1284.4
45°	1267.6	1260.4	1226.8	1186.0	1176.4
47.5°	1186.0	1174.0	1121.2	1070.8	1051.6
50°	1094.8	1073.2	1010.7	945.9	924.3
52.5°	1005.9	967.5	885.9	828.3	806.7
55°	900.3	854.7	765.9	722.6	710.6
57.5°	806.7	744.3	672.2	629.0	619.4
60°	698.6	641.0	583.4	545.0	530.6
62.5°	600.2	549.8	501.8	468.2	451.4
65°	506.6	465.8	427.3	393.7	381.7
67.5°	415.3	393.7	362.5	336.1	328.9
70°	338.5	326.5	304.9	292.9	283.3
72.5°	268.9	273.7	259.3	254.5	247.3
75°	216.1	218.5	220.9	213.7	208.9
77.5°	163.3	175.3	184.9	180.1	175.3
80°	122.4	134.4	151.3	144.0	144.0
82.5°	84.0	98.4	112.8	108.0	105.6
85°	48.0	62.4	76.8	72.0	67.2
87.5°	19.2	31.2	33.6	33.6	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)