

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: P737801

Luminaire Tested: **14PT-40-PB1-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737801  
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-L840  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

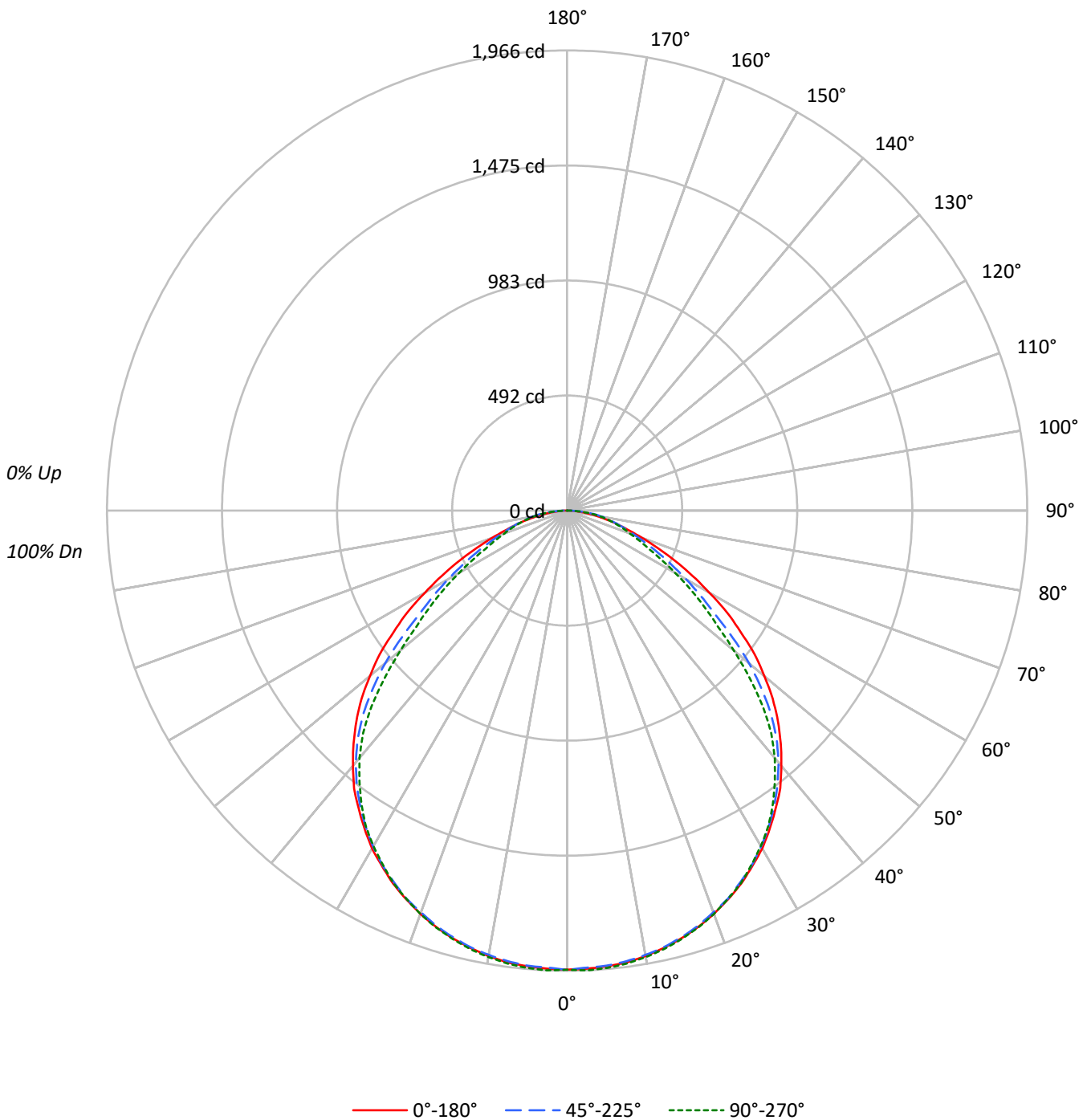
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4891.0 lumens  
Efficiency: N/A  
Efficacy: 119.6 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 (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	93	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62					62			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	5881	5881	5881
5°	5881	5874	5903
10°	5883	5869	5898
15°	5871	5856	5878
20°	5850	5827	5850
25°	5818	5794	5810
30°	5771	5738	5730
35°	5686	5643	5607
40°	5571	5496	5401
45°	5401	5227	5012
50°	5132	4737	4333
55°	4729	4023	3733
60°	4210	3516	3197
65°	3612	3047	2721
70°	2982	2686	2496
75°	2515	2572	2431
80°	2124	2624	2500
85°	1661	2656	2325



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.0	3.8
10°-20°	533.7	10.9
20°-30°	808.4	16.5
30°-40°	963.2	19.7
40°-50°	942.0	19.3
50°-60°	712.4	14.6
60°-70°	437.7	8.9
70°-80°	233.2	4.8
80°-90°	74.4	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°	1528.0	31.2
0°-40°	2491.3	50.9
0°-60°	4145.7	84.8
0°-90°	4891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4891.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1962	1962	1962	1962	1962	
5°	1954	1957	1952	1959	1962	186
15°	1892	1894	1887	1894	1894	534
25°	1759	1756	1752	1754	1756	810
35°	1554	1551	1542	1534	1532	972
45°	1274	1267	1233	1192	1182	980
55°	905	859	770	726	714	810
65°	509	468	430	396	384	507
75°	217	220	222	215	210	233
85°	48	63	77	72	68	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	1959.1	1961.5	1954.2	1963.9	1966.3
5°	1954.2	1956.7	1951.8	1959.1	1961.5
7.5°	1947.0	1947.0	1942.2	1949.4	1951.8
10°	1932.5	1932.5	1927.7	1934.9	1937.4
12.5°	1913.2	1913.2	1910.8	1915.6	1918.1
15°	1891.5	1893.9	1886.7	1893.9	1893.9
17.5°	1865.0	1862.6	1860.2	1865.0	1867.4
20°	1833.6	1833.6	1826.4	1831.2	1833.6
22.5°	1797.4	1797.4	1795.0	1797.4	1795.0
25°	1758.8	1756.4	1751.6	1754.0	1756.4
27.5°	1713.0	1713.0	1708.2	1708.2	1705.7
30°	1667.1	1664.7	1657.5	1652.7	1655.1
32.5°	1611.6	1609.2	1602.0	1597.2	1599.6
35°	1553.7	1551.3	1541.7	1534.4	1532.0
37.5°	1495.8	1488.6	1476.5	1466.9	1457.2
40°	1423.5	1416.2	1404.2	1382.4	1380.0
42.5°	1351.1	1343.8	1324.5	1298.0	1290.8
45°	1273.9	1266.6	1232.9	1191.8	1182.2
47.5°	1191.8	1179.8	1126.7	1076.0	1056.7
50°	1100.2	1078.5	1015.7	950.6	928.9
52.5°	1010.9	972.3	890.3	832.4	810.6
55°	904.7	858.9	769.6	726.2	714.1
57.5°	810.6	747.9	675.5	632.1	622.5
60°	702.1	644.2	586.3	547.7	533.2
62.5°	603.2	552.5	504.2	470.5	453.6
65°	509.1	468.1	429.5	395.7	383.6
67.5°	417.4	395.7	364.3	337.8	330.5
70°	340.2	328.1	306.4	294.3	284.7
72.5°	270.2	275.0	260.6	255.7	248.5
75°	217.1	219.6	222.0	214.7	209.9
77.5°	164.1	176.1	185.8	180.9	176.1
80°	123.0	135.1	152.0	144.8	144.8
82.5°	84.4	98.9	113.4	108.6	106.2
85°	48.3	62.7	77.2	72.4	67.6
87.5°	19.3	31.4	33.8	33.8	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)