

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: P701690

Luminaire Tested: **RX-WO-60HB2750-UNV-24\_4000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 8/21/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-60HB2750-UNV-24\_4000K  
Description: 2X4 6000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

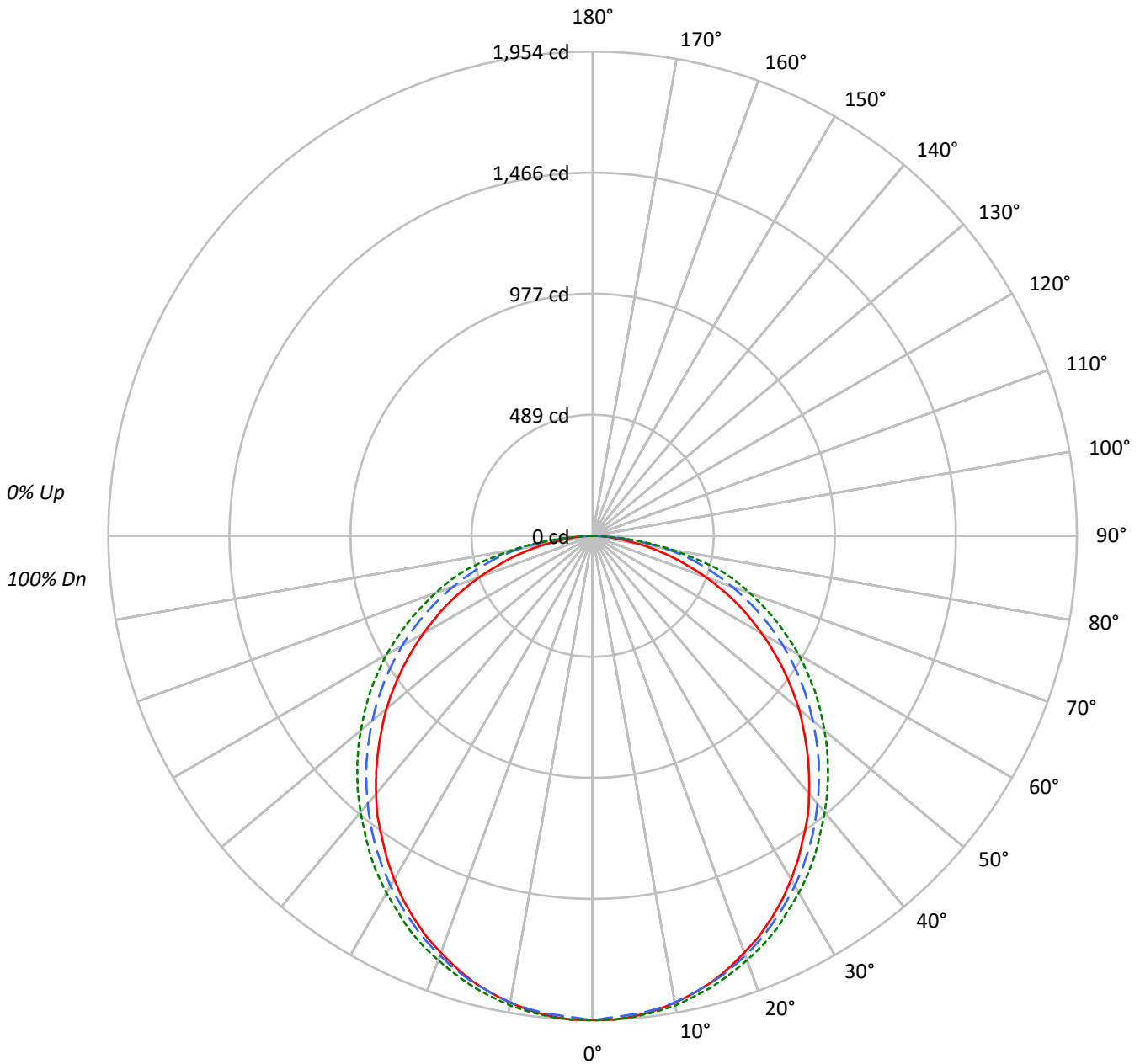
Lumens per Lamp: N/A  
Luminaire Lumens: 5689.0 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 45  
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									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68																			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57																			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

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

	0°	45°	90°
0°	2758	2758	2758
5°	2757	2746	2760
10°	2743	2740	2757
15°	2722	2725	2749
20°	2688	2707	2737
25°	2654	2683	2730
30°	2609	2659	2712
35°	2555	2632	2699
40°	2504	2601	2684
45°	2441	2575	2680
50°	2386	2547	2681
55°	2310	2525	2695
60°	2225	2506	2713
65°	2137	2483	2734
70°	1995	2465	2783
75°	1817	2471	2869
80°	1503	2444	2642
85°	1151	1942	1875



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.8	3.2
10°-20°	527.6	9.3
20°-30°	796.0	14.0
30°-40°	955.6	16.8
40°-50°	993.9	17.5
50°-60°	914.0	16.1
60°-70°	728.5	12.8
70°-80°	461.6	8.1
80°-90°	126.9	2.2
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°	1508.4	26.5
0°-40°	2464.1	43.3
0°-60°	4371.9	76.8
0°-90°	5689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5689.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1946	1946	1938	1948	1948	185
15°	1863	1863	1865	1879	1881	525
25°	1705	1713	1723	1747	1753	785
35°	1483	1499	1528	1556	1566	929
45°	1223	1250	1290	1331	1343	944
55°	939	969	1026	1077	1095	839
65°	640	672	744	800	819	631
75°	333	376	453	510	526	351
85°	71	102	120	118	116	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1954.5	1954.5	1954.5	1954.5	1954.5
2.5°	1954.5	1954.5	1944.3	1954.5	1954.5
5°	1946.3	1946.3	1938.2	1948.4	1948.4
7.5°	1932.1	1934.2	1928.1	1938.2	1938.2
10°	1913.8	1915.9	1911.8	1924.0	1924.0
12.5°	1889.5	1891.5	1889.5	1903.7	1903.7
15°	1863.0	1863.0	1865.1	1879.3	1881.3
17.5°	1828.5	1832.6	1836.6	1852.9	1852.9
20°	1789.9	1796.0	1802.1	1822.4	1822.4
22.5°	1751.3	1757.4	1765.5	1785.8	1789.9
25°	1704.6	1712.7	1722.9	1747.2	1753.3
27.5°	1655.8	1661.9	1678.2	1704.6	1706.6
30°	1601.0	1611.1	1631.4	1657.8	1663.9
32.5°	1544.1	1558.3	1580.6	1611.1	1617.2
35°	1483.1	1499.4	1527.8	1556.3	1566.4
37.5°	1426.2	1438.4	1470.9	1503.4	1509.5
40°	1359.2	1377.5	1412.0	1448.6	1456.7
42.5°	1292.1	1312.5	1351.1	1387.6	1401.9
45°	1223.1	1249.5	1290.1	1330.7	1342.9
47.5°	1154.0	1182.4	1225.1	1269.8	1284.0
50°	1086.9	1113.4	1160.1	1206.8	1221.0
52.5°	1011.8	1042.3	1093.0	1143.8	1158.1
55°	938.6	969.1	1026.0	1076.8	1095.1
57.5°	863.5	898.0	956.9	1009.7	1026.0
60°	788.3	824.9	887.8	940.7	961.0
62.5°	713.1	747.7	816.7	869.6	887.8
65°	640.0	672.5	743.6	800.5	818.8
67.5°	560.7	597.3	670.5	729.4	745.6
70°	483.5	520.1	597.3	658.3	674.5
72.5°	404.3	447.0	524.2	583.1	605.4
75°	333.2	375.9	453.1	510.0	526.2
77.5°	258.0	300.7	379.9	420.6	422.6
80°	184.9	233.6	300.7	316.9	325.1
82.5°	121.9	168.6	207.2	227.5	227.5
85°	71.1	101.6	119.9	117.8	115.8
87.5°	26.4	34.5	28.4	20.3	14.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)