

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: P701689

Luminaire Tested: **RX-WO-60HB2750-UNV-24\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701689  
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\_3500K  
Description: 2X4 6000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

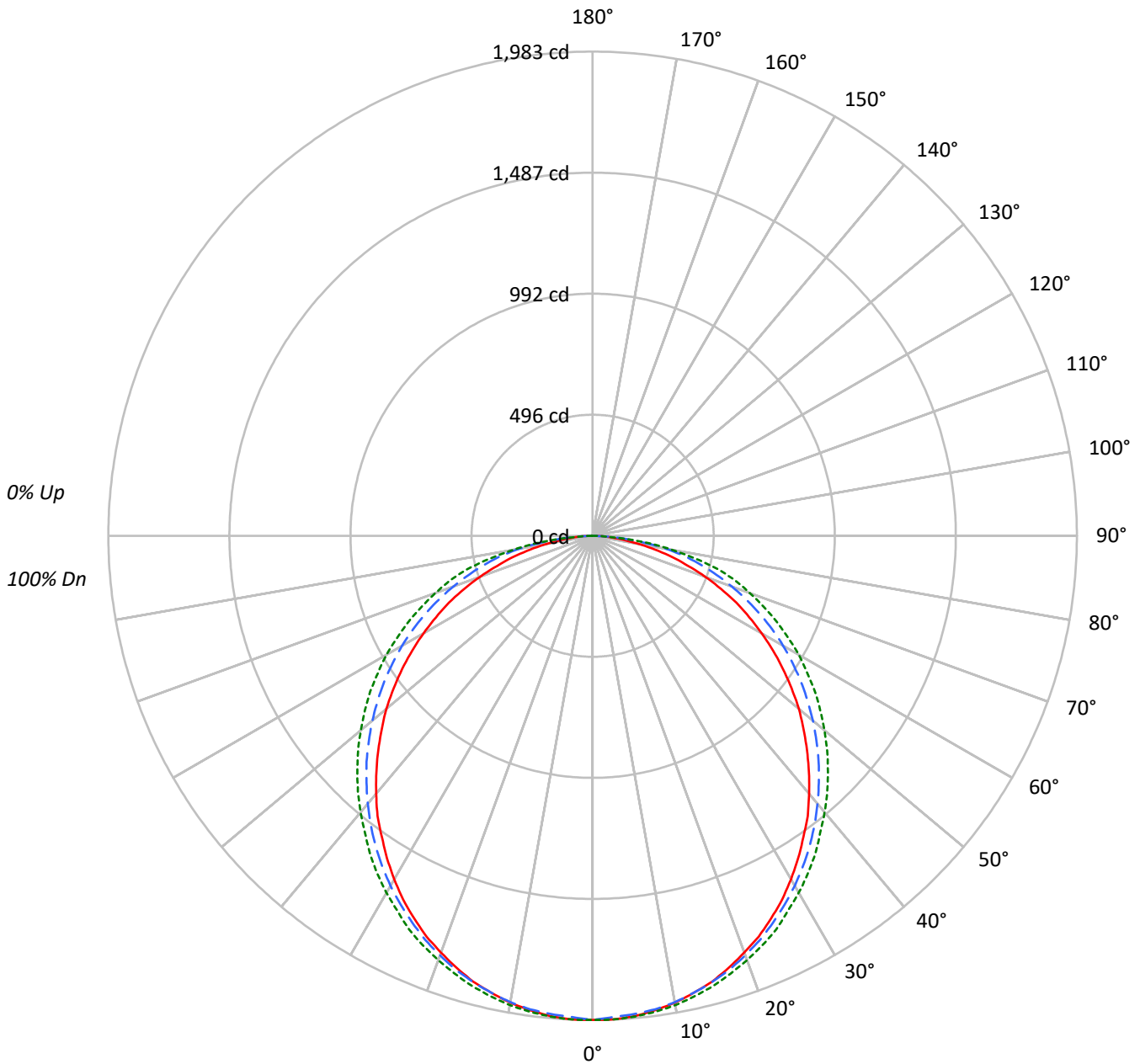
Lumens per Lamp: N/A  
Luminaire Lumens: 5772.0 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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				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	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°	2799	2799	2799
5°	2798	2786	2801
10°	2783	2780	2798
15°	2762	2765	2789
20°	2727	2746	2777
25°	2693	2722	2770
30°	2647	2697	2751
35°	2593	2671	2738
40°	2541	2639	2723
45°	2477	2612	2719
50°	2421	2584	2720
55°	2343	2561	2734
60°	2258	2543	2752
65°	2168	2519	2774
70°	2024	2501	2824
75°	1844	2507	2911
80°	1525	2480	2680
85°	1168	1969	1903



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.5	3.2
10°-20°	535.3	9.3
20°-30°	807.6	14.0
30°-40°	969.6	16.8
40°-50°	1008.4	17.5
50°-60°	927.4	16.1
60°-70°	739.1	12.8
70°-80°	468.4	8.1
80°-90°	128.8	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°	1530.4	26.5
0°-40°	2500.0	43.3
0°-60°	4435.7	76.8
0°-90°	5772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1983	1983	1983	1983	1983	
5°	1975	1975	1966	1977	1977	187
15°	1890	1890	1892	1907	1909	533
25°	1729	1738	1748	1773	1779	797
35°	1505	1521	1550	1579	1589	942
45°	1241	1268	1309	1350	1362	958
55°	952	983	1041	1092	1111	851
65°	649	682	754	812	831	640
75°	338	381	460	517	534	356
85°	72	103	122	120	118	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1983.0	1983.0	1983.0	1983.0	1983.0
2.5°	1983.0	1983.0	1972.7	1983.0	1983.0
5°	1974.7	1974.7	1966.5	1976.8	1976.8
7.5°	1960.3	1962.4	1956.2	1966.5	1966.5
10°	1941.8	1943.8	1939.7	1952.1	1952.1
12.5°	1917.0	1919.1	1917.0	1931.5	1931.5
15°	1890.2	1890.2	1892.3	1906.7	1908.8
17.5°	1855.2	1859.3	1863.4	1879.9	1879.9
20°	1816.0	1822.2	1828.4	1849.0	1849.0
22.5°	1776.9	1783.0	1791.3	1811.9	1816.0
25°	1729.4	1737.7	1748.0	1772.7	1778.9
27.5°	1680.0	1686.2	1702.6	1729.4	1731.5
30°	1624.3	1634.6	1655.2	1682.0	1688.2
32.5°	1566.6	1581.0	1603.7	1634.6	1640.8
35°	1504.8	1521.3	1550.1	1579.0	1589.3
37.5°	1447.0	1459.4	1492.4	1525.4	1531.6
40°	1379.0	1397.6	1432.6	1469.7	1478.0
42.5°	1311.0	1331.6	1370.8	1407.9	1422.3
45°	1240.9	1267.7	1308.9	1350.2	1362.5
47.5°	1170.8	1199.7	1243.0	1288.3	1302.8
50°	1102.8	1129.6	1177.0	1224.4	1238.9
52.5°	1026.5	1057.5	1109.0	1160.5	1175.0
55°	952.3	983.2	1041.0	1092.5	1111.1
57.5°	876.1	911.1	970.9	1024.5	1041.0
60°	799.8	836.9	900.8	954.4	975.0
62.5°	723.5	758.6	828.6	882.2	900.8
65°	649.3	682.3	754.4	812.2	830.7
67.5°	568.9	606.0	680.2	740.0	756.5
70°	490.6	527.7	606.0	667.9	684.4
72.5°	410.2	453.5	531.8	591.6	614.3
75°	338.1	381.3	459.7	517.4	533.9
77.5°	261.8	305.1	385.5	426.7	428.8
80°	187.6	237.1	305.1	321.6	329.8
82.5°	123.7	171.1	210.3	230.9	230.9
85°	72.1	103.1	121.6	119.6	117.5
87.5°	26.8	35.0	28.9	20.6	14.4
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)