

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: P701576

Luminaire Tested: **RX-WO-20HB2750-UNV-22\_5000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P302127)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/21/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-20HB2750-UNV-22\_5000K  
Description: 2X2 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

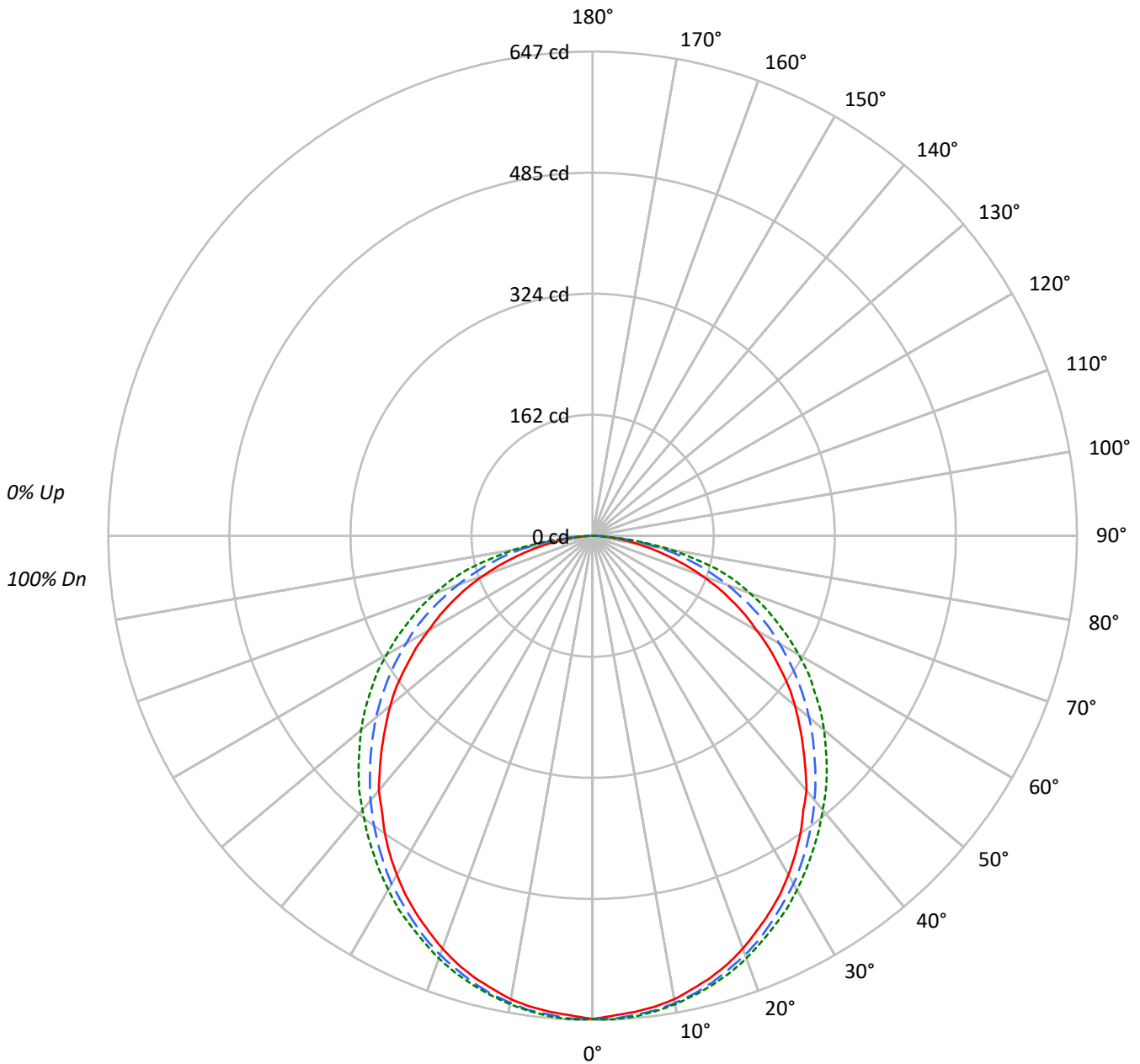
Lumens per Lamp: N/A  
Luminaire Lumens: 1851.0 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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				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				100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69				69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37				37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33				33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29				29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26				26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24				24

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

	0°	45°	90°
0°	1832	1832	1832
5°	1820	1831	1837
10°	1812	1826	1832
15°	1795	1815	1824
20°	1773	1799	1815
25°	1744	1778	1800
30°	1714	1760	1789
35°	1678	1733	1778
40°	1646	1709	1772
45°	1596	1683	1775
50°	1557	1667	1782
55°	1503	1651	1789
60°	1436	1634	1804
65°	1378	1619	1820
70°	1282	1587	1852
75°	1136	1551	1890
80°	961	1449	1709
85°	680	1006	973



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.0	3.3
10°-20°	174.0	9.4
20°-30°	261.4	14.1
30°-40°	312.7	16.9
40°-50°	324.3	17.5
50°-60°	298.3	16.1
60°-70°	236.7	12.8
70°-80°	146.2	7.9
80°-90°	36.3	2.0
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°	496.4	26.8
0°-40°	809.2	43.7
0°-60°	1431.7	77.3
0°-90°	1851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1851.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	646	646	646	646	646	
5°	639	641	643	645	645	61
15°	611	613	618	621	621	172
25°	557	561	568	574	575	257
35°	484	489	500	510	513	303
45°	398	405	420	436	442	307
55°	304	312	334	357	362	272
65°	205	214	241	264	271	203
75°	104	118	142	163	172	111
85°	21	27	31	31	30	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	645.8	645.8	645.8	645.8	645.8
2.5°	641.7	642.7	645.8	646.8	646.8
5°	638.8	640.8	642.7	644.8	644.8
7.5°	634.8	636.8	639.8	640.8	640.8
10°	628.9	630.8	633.8	635.7	635.7
12.5°	619.8	622.9	626.8	628.9	628.9
15°	610.9	612.8	617.8	620.8	620.8
17.5°	600.0	601.9	606.9	610.9	611.8
20°	587.0	588.9	595.9	600.0	600.9
22.5°	572.0	575.0	582.9	587.0	588.0
25°	557.1	561.0	568.0	574.0	575.0
27.5°	541.2	545.1	552.1	560.0	562.0
30°	523.2	527.2	537.1	544.1	546.1
32.5°	504.3	509.2	519.2	528.2	530.1
35°	484.3	489.3	500.3	510.2	513.2
37.5°	462.4	469.4	481.3	492.3	496.2
40°	444.4	448.4	461.4	474.4	478.3
42.5°	420.5	426.5	440.5	455.4	461.4
45°	397.6	404.6	419.5	436.4	442.4
47.5°	374.7	381.7	398.6	416.6	422.5
50°	352.8	358.8	377.6	397.6	403.6
52.5°	329.9	335.9	355.7	377.6	383.6
55°	303.9	311.9	333.8	356.8	361.7
57.5°	280.0	288.0	310.9	332.8	341.8
60°	253.1	263.1	288.0	309.9	317.9
62.5°	230.2	238.1	266.1	288.0	295.0
65°	205.3	214.2	241.2	264.1	271.1
67.5°	181.4	190.3	216.2	239.2	248.2
70°	154.5	164.4	191.3	214.2	223.2
72.5°	129.6	141.5	165.4	189.4	199.3
75°	103.6	117.6	141.5	163.4	172.4
77.5°	80.7	92.7	115.6	130.6	135.5
80°	58.8	70.8	88.7	98.6	104.6
82.5°	39.8	46.8	60.8	67.7	67.7
85°	20.9	26.9	30.9	30.9	29.9
87.5°	7.0	8.0	6.0	2.9	2.0
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)