

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: P701574

Luminaire Tested: **RX-WO-20HB2750-UNV-22_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701574
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_3500K
Description: 2X2 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

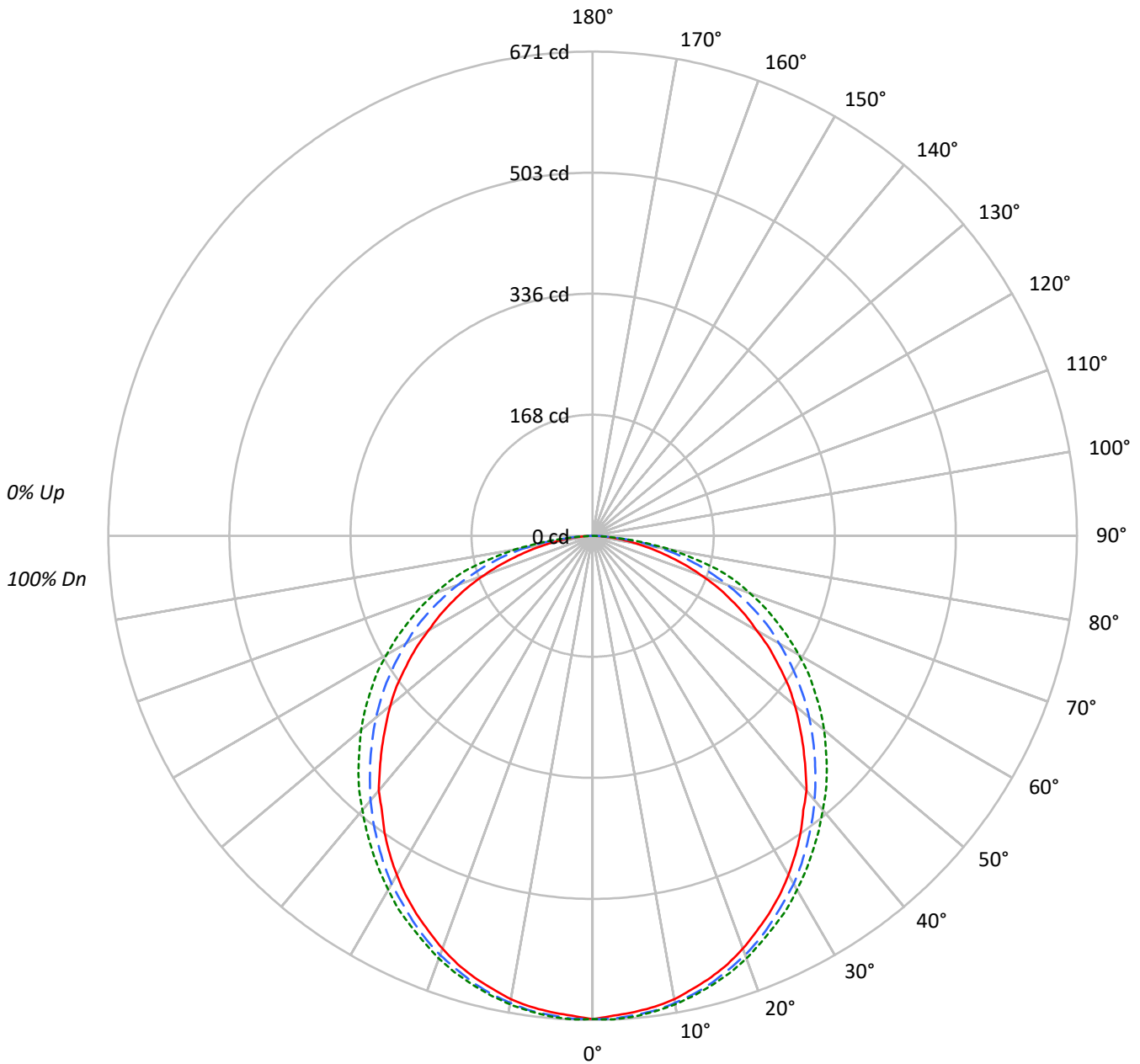
Lumens per Lamp: N/A
Luminaire Lumens: 1920.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1901	1901	1901
5°	1887	1899	1905
10°	1879	1894	1900
15°	1861	1883	1892
20°	1839	1866	1882
25°	1809	1845	1867
30°	1778	1825	1856
35°	1740	1797	1844
40°	1708	1773	1838
45°	1655	1746	1842
50°	1615	1729	1848
55°	1559	1713	1856
60°	1490	1695	1871
65°	1429	1680	1888
70°	1329	1647	1921
75°	1179	1609	1960
80°	997	1503	1773
85°	706	1042	1009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	3.3
10°-20°	180.5	9.4
20°-30°	271.2	14.1
30°-40°	324.4	16.9
40°-50°	336.4	17.5
50°-60°	309.4	16.1
60°-70°	245.5	12.8
70°-80°	151.7	7.9
80°-90°	37.7	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°	514.9	26.8
0°-40°	839.3	43.7
0°-60°	1485.1	77.4
0°-90°	1920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	663	665	667	669	669	63
15°	634	636	641	644	644	179
25°	578	582	589	595	596	266
35°	502	508	519	529	532	314
45°	412	420	435	453	459	319
55°	315	324	346	370	375	282
65°	213	222	250	274	281	211
75°	108	122	147	170	179	115
85°	22	28	32	32	31	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	669.8	669.8	669.8	669.8	669.8
2.5°	665.7	666.7	669.8	670.9	670.9
5°	662.6	664.6	666.7	668.8	668.8
7.5°	658.4	660.6	663.6	664.6	664.6
10°	652.3	654.3	657.4	659.4	659.4
12.5°	642.9	646.1	650.2	652.3	652.3
15°	633.6	635.7	640.9	643.9	643.9
17.5°	622.3	624.4	629.6	633.6	634.7
20°	608.9	610.9	618.1	622.3	623.3
22.5°	593.4	596.4	604.7	608.9	609.9
25°	577.9	581.9	589.2	595.4	596.4
27.5°	561.3	565.4	572.6	580.9	583.0
30°	542.7	546.8	557.1	564.4	566.4
32.5°	523.1	528.2	538.6	547.9	549.9
35°	502.4	507.6	518.9	529.2	532.4
37.5°	479.6	486.9	499.2	510.6	514.7
40°	461.0	465.2	478.6	492.1	496.2
42.5°	436.2	442.4	456.9	472.4	478.6
45°	412.4	419.7	435.2	452.7	458.9
47.5°	388.7	395.9	413.5	432.1	438.2
50°	365.9	372.1	391.7	412.4	418.7
52.5°	342.2	348.4	369.0	391.7	397.9
55°	315.2	323.5	346.2	370.1	375.2
57.5°	290.5	298.7	322.5	345.2	354.5
60°	262.5	272.9	298.7	321.5	329.7
62.5°	238.7	247.0	276.0	298.7	306.0
65°	212.9	222.2	250.2	273.9	281.2
67.5°	188.2	197.4	224.3	248.1	257.4
70°	160.2	170.5	198.5	222.2	231.5
72.5°	134.4	146.8	171.5	196.4	206.7
75°	107.5	122.0	146.8	169.5	178.8
77.5°	83.7	96.2	119.9	135.4	140.5
80°	61.0	73.4	92.0	102.3	108.5
82.5°	41.3	48.5	63.0	70.3	70.3
85°	21.7	27.9	32.0	32.0	31.0
87.5°	7.2	8.3	6.2	3.1	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)