

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: P701575

Luminaire Tested: **RX-WO-20HB2750-UNV-22_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701575
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_4000K
Description: 2X2 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

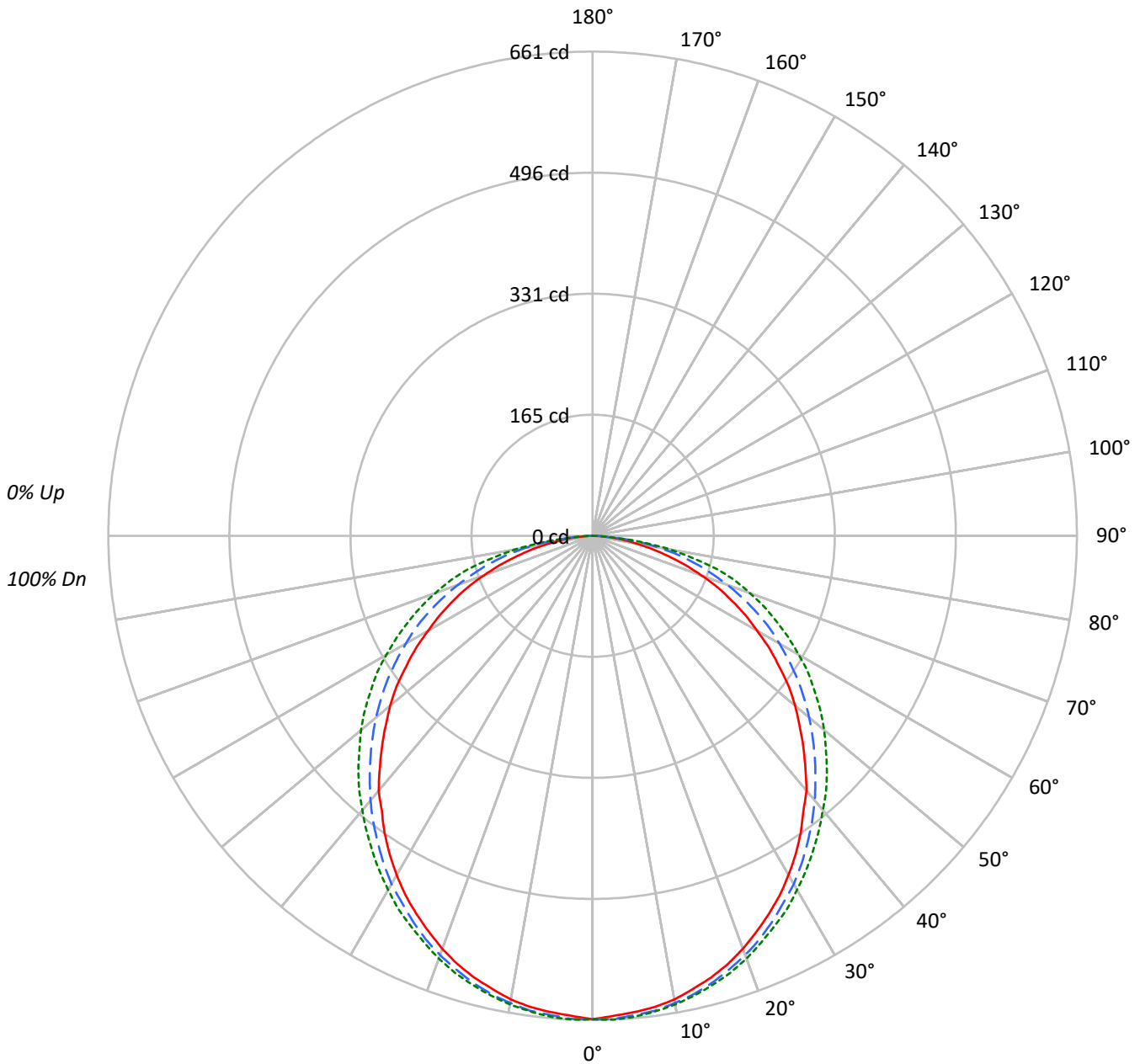
Lumens per Lamp: N/A
Luminaire Lumens: 1892.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	1873	1873	1873
5°	1860	1871	1877
10°	1852	1867	1872
15°	1834	1855	1864
20°	1812	1839	1855
25°	1783	1818	1840
30°	1752	1799	1829
35°	1715	1771	1817
40°	1683	1747	1811
45°	1631	1721	1815
50°	1592	1704	1821
55°	1537	1688	1829
60°	1468	1671	1844
65°	1409	1655	1860
70°	1310	1623	1892
75°	1161	1585	1932
80°	982	1480	1747
85°	697	1029	996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	3.3
10°-20°	177.8	9.4
20°-30°	267.2	14.1
30°-40°	319.7	16.9
40°-50°	331.5	17.5
50°-60°	304.9	16.1
60°-70°	242.0	12.8
70°-80°	149.4	7.9
80°-90°	37.1	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°	507.4	26.8
0°-40°	827.1	43.7
0°-60°	1463.4	77.4
0°-90°	1892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	660	660	660	660	660	
5°	653	655	657	659	659	62
15°	624	626	632	634	634	176
25°	569	573	581	587	588	262
35°	495	500	511	522	525	310
45°	406	414	429	446	452	314
55°	311	319	341	365	370	278
65°	210	219	246	270	277	208
75°	106	120	145	167	176	113
85°	21	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°	660.1	660.1	660.1	660.1	660.1
2.5°	656.0	657.0	660.1	661.1	661.1
5°	652.9	654.9	657.0	659.1	659.1
7.5°	648.8	650.9	653.9	654.9	654.9
10°	642.8	644.8	647.8	649.8	649.8
12.5°	633.5	636.7	640.7	642.8	642.8
15°	624.4	626.4	631.5	634.5	634.5
17.5°	613.2	615.3	620.4	624.4	625.4
20°	600.0	602.0	609.1	613.2	614.2
22.5°	584.7	587.7	595.9	600.0	601.0
25°	569.4	573.4	580.6	586.7	587.7
27.5°	553.1	557.2	564.3	572.4	574.4
30°	534.8	538.9	549.0	556.2	558.2
32.5°	515.5	520.5	530.7	539.9	541.9
35°	495.1	500.2	511.3	521.5	524.6
37.5°	472.6	479.8	491.9	503.2	507.2
40°	454.3	458.4	471.6	484.9	488.9
42.5°	429.8	436.0	450.2	465.5	471.6
45°	406.4	413.6	428.8	446.1	452.2
47.5°	383.0	390.1	407.4	425.8	431.8
50°	360.6	366.7	386.0	406.4	412.5
52.5°	337.2	343.3	363.6	386.0	392.1
55°	310.6	318.8	341.2	364.7	369.7
57.5°	286.2	294.4	317.8	340.2	349.3
60°	258.7	268.9	294.4	316.8	324.9
62.5°	235.3	243.4	271.9	294.4	301.5
65°	209.8	219.0	246.5	269.9	277.1
67.5°	185.4	194.6	221.0	244.5	253.7
70°	157.9	168.0	195.6	219.0	228.1
72.5°	132.5	144.6	169.0	193.6	203.7
75°	105.9	120.2	144.6	167.0	176.2
77.5°	82.5	94.8	118.2	133.5	138.5
80°	60.1	72.4	90.6	100.8	106.9
82.5°	40.7	47.8	62.1	69.2	69.2
85°	21.4	27.5	31.6	31.6	30.6
87.5°	7.1	8.1	6.1	3.0	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)