

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: P701579

Luminaire Tested: **RX-WO-24HB2750-UNV-22_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701579
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-24HB2750-UNV-22_3500K
Description: 2X2 2400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

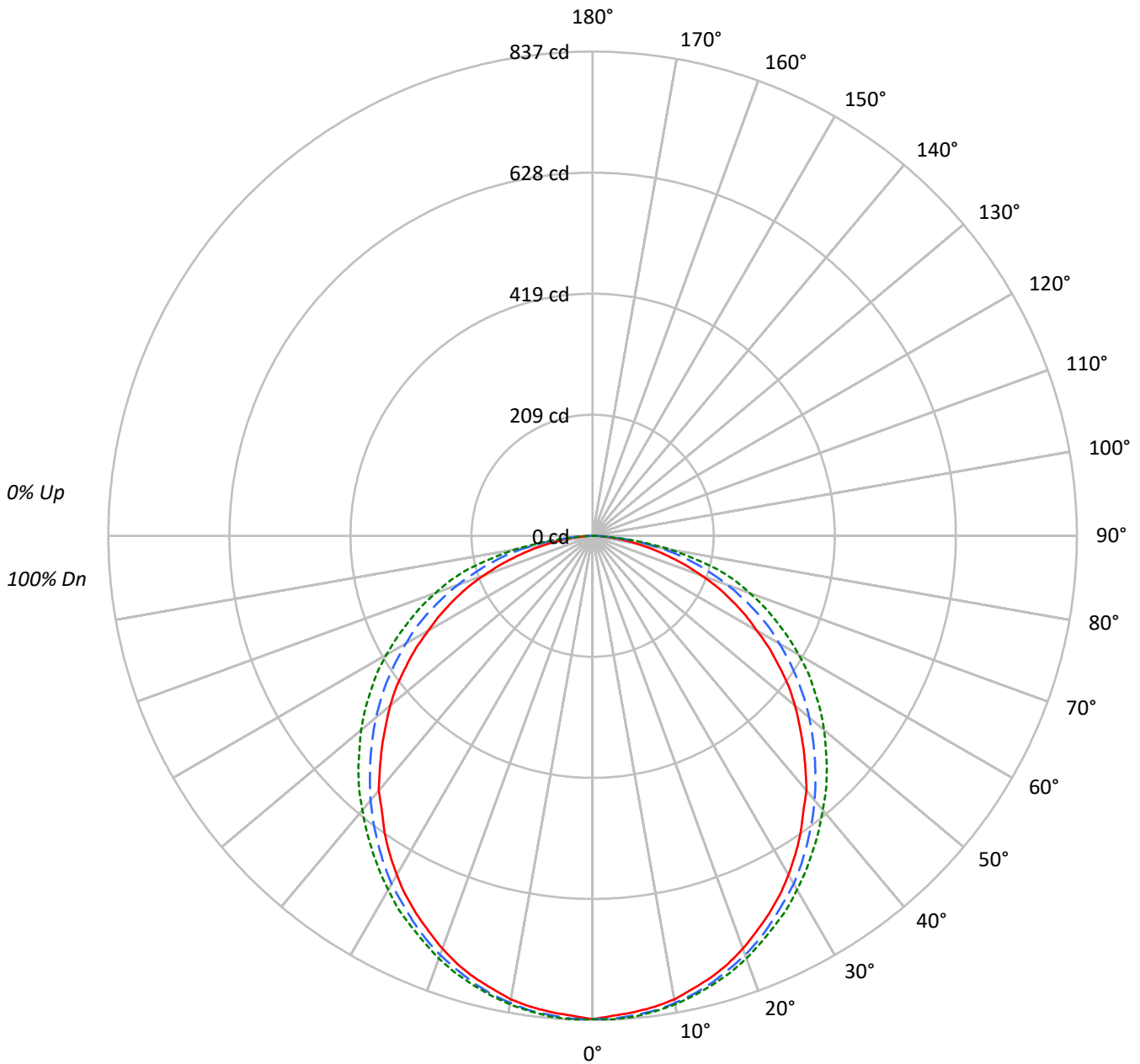
Lumens per Lamp: N/A
Luminaire Lumens: 2395.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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					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	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°	2371	2371	2371
5°	2354	2369	2376
10°	2345	2363	2370
15°	2322	2348	2360
20°	2293	2328	2348
25°	2257	2301	2329
30°	2218	2277	2315
35°	2171	2242	2300
40°	2130	2211	2292
45°	2065	2178	2297
50°	2015	2157	2305
55°	1945	2137	2315
60°	1859	2115	2334
65°	1783	2095	2355
70°	1658	2054	2396
75°	1470	2007	2445
80°	1244	1874	2213
85°	882	1299	1260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	3.3
10°-20°	225.1	9.4
20°-30°	338.2	14.1
30°-40°	404.7	16.9
40°-50°	419.6	17.5
50°-60°	385.9	16.1
60°-70°	306.3	12.8
70°-80°	189.2	7.9
80°-90°	47.0	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°	642.3	26.8
0°-40°	1047.0	43.7
0°-60°	1852.5	77.3
0°-90°	2395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	826	829	832	834	834	79
15°	790	793	799	803	803	223
25°	721	726	735	743	744	332
35°	627	633	647	660	664	392
45°	514	524	543	565	572	397
55°	393	404	432	462	468	352
65°	266	277	312	342	351	263
75°	134	152	183	211	223	143
85°	27	35	40	40	39	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	835.6	835.6	835.6	835.6	835.6
2.5°	830.3	831.6	835.6	836.8	836.8
5°	826.5	829.1	831.6	834.3	834.3
7.5°	821.3	824.0	827.8	829.1	829.1
10°	813.7	816.2	820.0	822.6	822.6
12.5°	802.0	805.9	811.0	813.7	813.7
15°	790.4	792.9	799.4	803.2	803.2
17.5°	776.3	778.8	785.3	790.4	791.7
20°	759.5	762.0	771.1	776.3	777.5
22.5°	740.1	744.0	754.3	759.5	760.8
25°	720.8	725.9	734.9	742.7	744.0
27.5°	700.2	705.3	714.3	724.6	727.2
30°	676.9	682.1	695.0	704.0	706.6
32.5°	652.5	658.9	671.8	683.4	686.0
35°	626.7	633.2	647.3	660.1	664.1
37.5°	598.3	607.3	622.7	637.0	642.1
40°	575.0	580.2	597.0	613.8	618.9
42.5°	544.1	551.9	569.9	589.3	597.0
45°	514.5	523.5	542.8	564.7	572.5
47.5°	484.8	493.9	515.7	539.0	546.6
50°	456.5	464.2	488.6	514.5	522.2
52.5°	426.8	434.6	460.3	488.6	496.4
55°	393.2	403.5	431.9	461.7	468.0
57.5°	362.3	372.6	402.3	430.6	442.2
60°	327.5	340.4	372.6	401.0	411.3
62.5°	297.8	308.1	344.2	372.6	381.6
65°	265.6	277.2	312.1	341.7	350.7
67.5°	234.7	246.3	279.7	309.5	321.1
70°	199.9	212.7	247.6	277.2	288.8
72.5°	167.7	183.1	214.0	245.0	257.9
75°	134.1	152.2	183.1	211.4	223.0
77.5°	104.4	120.0	149.6	168.9	175.3
80°	76.1	91.6	114.7	127.6	135.4
82.5°	51.5	60.6	78.6	87.7	87.7
85°	27.1	34.9	39.9	39.9	38.7
87.5°	9.0	10.3	7.8	3.8	2.5
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)