

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: P701578

Luminaire Tested: **RX-WO-24HB2750-UNV-22_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701578
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_3000K
Description: 2X2 2400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

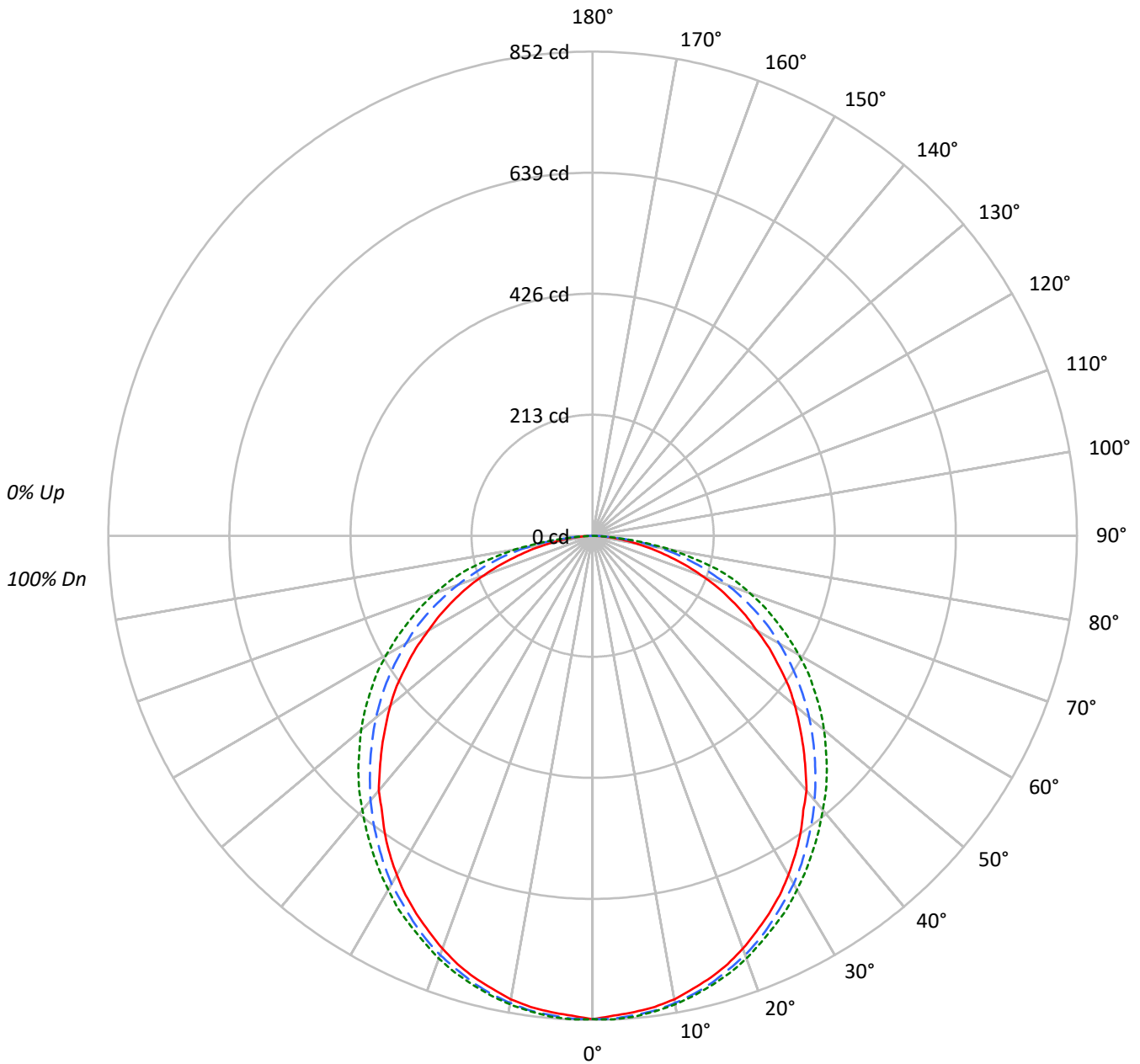
Lumens per Lamp: N/A
Luminaire Lumens: 2438.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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									
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°	2414	2414	2414
5°	2397	2411	2419
10°	2387	2405	2413
15°	2364	2391	2402
20°	2334	2370	2390
25°	2297	2342	2371
30°	2258	2318	2356
35°	2210	2282	2342
40°	2168	2251	2334
45°	2102	2218	2339
50°	2051	2196	2347
55°	1980	2175	2357
60°	1892	2153	2376
65°	1816	2133	2397
70°	1687	2091	2439
75°	1497	2044	2489
80°	1265	1909	2252
85°	899	1325	1283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	3.3
10°-20°	229.2	9.4
20°-30°	344.3	14.1
30°-40°	411.9	16.9
40°-50°	427.1	17.5
50°-60°	392.9	16.1
60°-70°	311.8	12.8
70°-80°	192.6	7.9
80°-90°	47.8	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°	653.9	26.8
0°-40°	1065.8	43.7
0°-60°	1885.8	77.3
0°-90°	2438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	841	844	846	849	849	80
15°	805	807	814	818	818	227
25°	734	739	748	756	757	338
35°	638	644	659	672	676	399
45°	524	533	553	575	583	405
55°	400	411	440	470	476	358
65°	270	282	318	348	357	267
75°	136	155	186	215	227	146
85°	28	36	41	41	39	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	850.6	850.6	850.6	850.6	850.6
2.5°	845.3	846.5	850.6	851.9	851.9
5°	841.4	844.0	846.5	849.3	849.3
7.5°	836.1	838.8	842.7	844.0	844.0
10°	828.3	830.9	834.8	837.4	837.4
12.5°	816.4	820.4	825.6	828.3	828.3
15°	804.6	807.2	813.8	817.7	817.7
17.5°	790.2	792.8	799.4	804.6	805.9
20°	773.1	775.7	784.9	790.2	791.5
22.5°	753.4	757.3	767.8	773.1	774.4
25°	733.8	738.9	748.1	756.0	757.3
27.5°	712.8	718.0	727.1	737.6	740.2
30°	689.1	694.4	707.5	716.7	719.2
32.5°	664.2	670.7	683.9	695.7	698.3
35°	637.9	644.5	658.9	672.0	676.0
37.5°	609.0	618.2	633.9	648.4	653.6
40°	585.3	590.7	607.7	624.8	630.0
42.5°	553.9	561.8	580.2	599.8	607.7
45°	523.7	532.9	552.6	574.9	582.8
47.5°	493.5	502.7	525.0	548.7	556.5
50°	464.6	472.5	497.4	523.7	531.6
52.5°	434.5	442.4	468.5	497.4	505.3
55°	400.3	410.8	439.7	470.0	476.4
57.5°	368.8	379.3	409.5	438.4	450.1
60°	333.3	346.5	379.3	408.2	418.7
62.5°	303.2	313.7	350.4	379.3	388.5
65°	270.4	282.2	317.7	347.8	357.0
67.5°	238.9	250.7	284.8	315.1	326.9
70°	203.4	216.5	252.0	282.2	294.0
72.5°	170.7	186.4	217.8	249.4	262.5
75°	136.5	154.9	186.4	215.2	227.0
77.5°	106.3	122.1	152.3	172.0	178.5
80°	77.4	93.2	116.8	129.9	137.8
82.5°	52.4	61.6	80.0	89.2	89.2
85°	27.6	35.5	40.7	40.7	39.4
87.5°	9.2	10.5	7.9	3.9	2.6
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)