

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: P701580

Luminaire Tested: **RX-WO-24HB2750-UNV-22_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701580
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_4000K
Description: 2X2 2400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

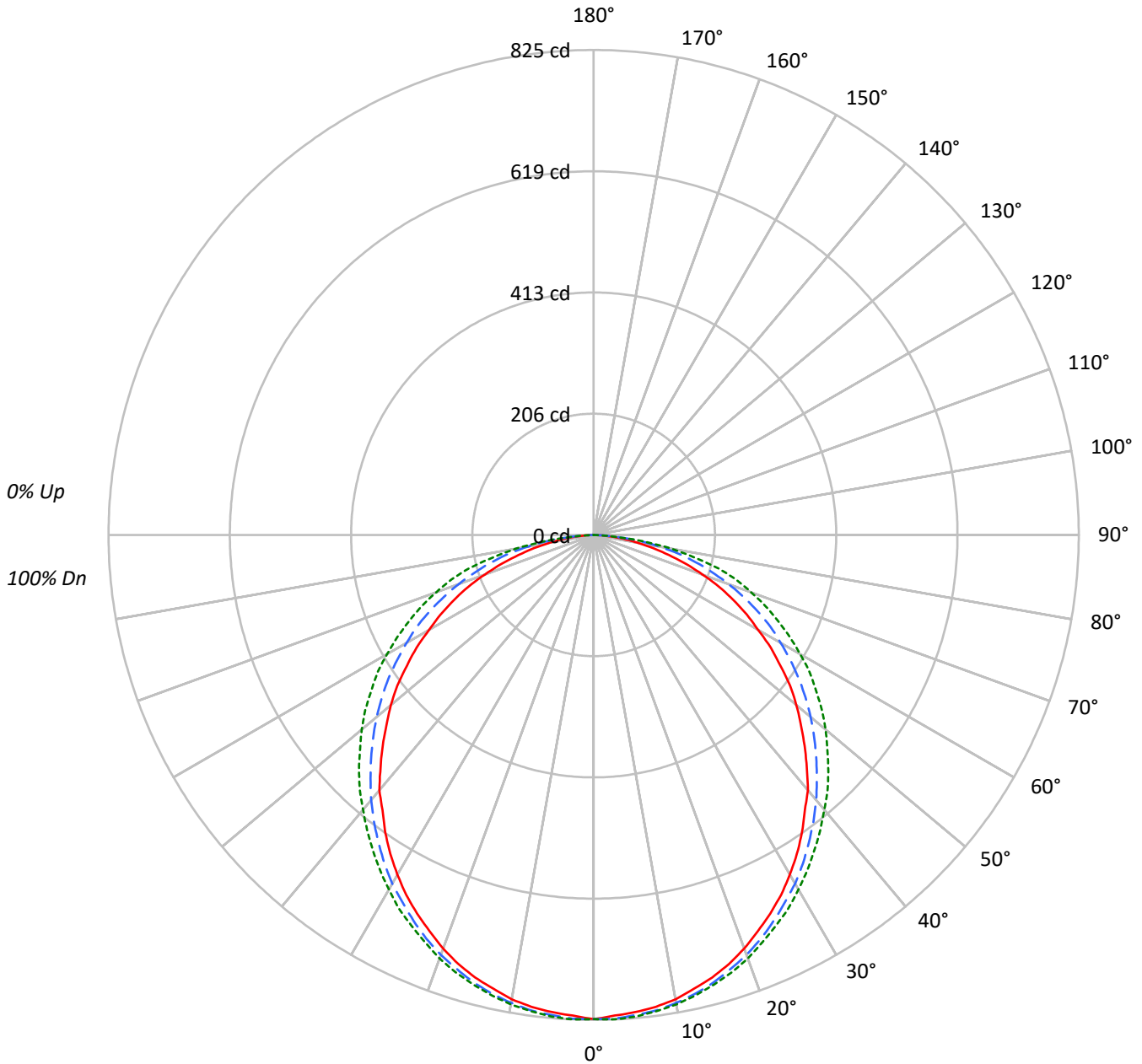
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2361.0 lumens
Efficiency: N/A
Efficacy: 118.1 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°	2337	2337	2337
5°	2321	2335	2343
10°	2311	2329	2336
15°	2289	2315	2326
20°	2261	2295	2315
25°	2225	2268	2296
30°	2186	2245	2282
35°	2140	2210	2268
40°	2100	2180	2260
45°	2035	2147	2264
50°	1986	2126	2273
55°	1917	2106	2283
60°	1832	2084	2301
65°	1758	2065	2322
70°	1634	2024	2362
75°	1449	1979	2410
80°	1226	1848	2180
85°	869	1283	1240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	3.3
10°-20°	221.9	9.4
20°-30°	333.4	14.1
30°-40°	398.9	16.9
40°-50°	413.7	17.5
50°-60°	380.4	16.1
60°-70°	301.9	12.8
70°-80°	186.5	7.9
80°-90°	46.3	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°	633.2	26.8
0°-40°	1032.1	43.7
0°-60°	1826.2	77.3
0°-90°	2361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	824	824	824	824	824	
5°	815	817	820	822	822	77
15°	779	782	788	792	792	220
25°	711	716	724	732	733	327
35°	618	624	638	651	655	386
45°	507	516	535	557	564	392
55°	388	398	426	455	461	347
65°	262	273	308	337	346	259
75°	132	150	180	208	220	141
85°	27	34	39	39	38	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823.7	823.7	823.7	823.7	823.7
2.5°	818.6	819.8	823.7	825.0	825.0
5°	814.8	817.3	819.8	822.4	822.4
7.5°	809.7	812.3	816.0	817.3	817.3
10°	802.1	804.6	808.4	810.9	810.9
12.5°	790.6	794.5	799.5	802.1	802.1
15°	779.2	781.7	788.1	791.8	791.8
17.5°	765.3	767.8	774.2	779.2	780.4
20°	748.7	751.2	760.1	765.3	766.5
22.5°	729.6	733.4	743.6	748.7	750.0
25°	710.6	715.6	724.5	732.1	733.4
27.5°	690.3	695.3	704.2	714.3	716.8
30°	667.3	672.5	685.1	694.0	696.5
32.5°	643.2	649.5	662.3	673.7	676.2
35°	617.8	624.2	638.1	650.8	654.6
37.5°	589.8	598.7	613.9	627.9	632.9
40°	566.9	572.0	588.6	605.1	610.1
42.5°	536.4	544.0	561.8	580.9	588.6
45°	507.2	516.1	535.1	556.7	564.3
47.5°	477.9	486.8	508.4	531.4	538.9
50°	450.0	457.6	481.7	507.2	514.8
52.5°	420.8	428.4	453.7	481.7	489.4
55°	387.6	397.8	425.8	455.1	461.4
57.5°	357.2	367.3	396.5	424.5	435.9
60°	322.8	335.6	367.3	395.3	405.5
62.5°	293.6	303.7	339.4	367.3	376.2
65°	261.9	273.3	307.6	336.9	345.8
67.5°	231.4	242.8	275.8	305.1	316.5
70°	197.0	209.7	244.0	273.3	284.7
72.5°	165.3	180.5	210.9	241.5	254.2
75°	132.2	150.0	180.5	208.4	219.8
77.5°	103.0	118.3	147.5	166.5	172.8
80°	75.0	90.3	113.1	125.8	133.4
82.5°	50.8	59.7	77.5	86.4	86.4
85°	26.7	34.4	39.4	39.4	38.1
87.5°	8.9	10.2	7.7	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)