

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: P701596

Luminaire Tested: **RX-WO-39HB2750-UNV-22\_5000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701596  
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-39HB2750-UNV-22\_5000K  
Description: 2X2 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

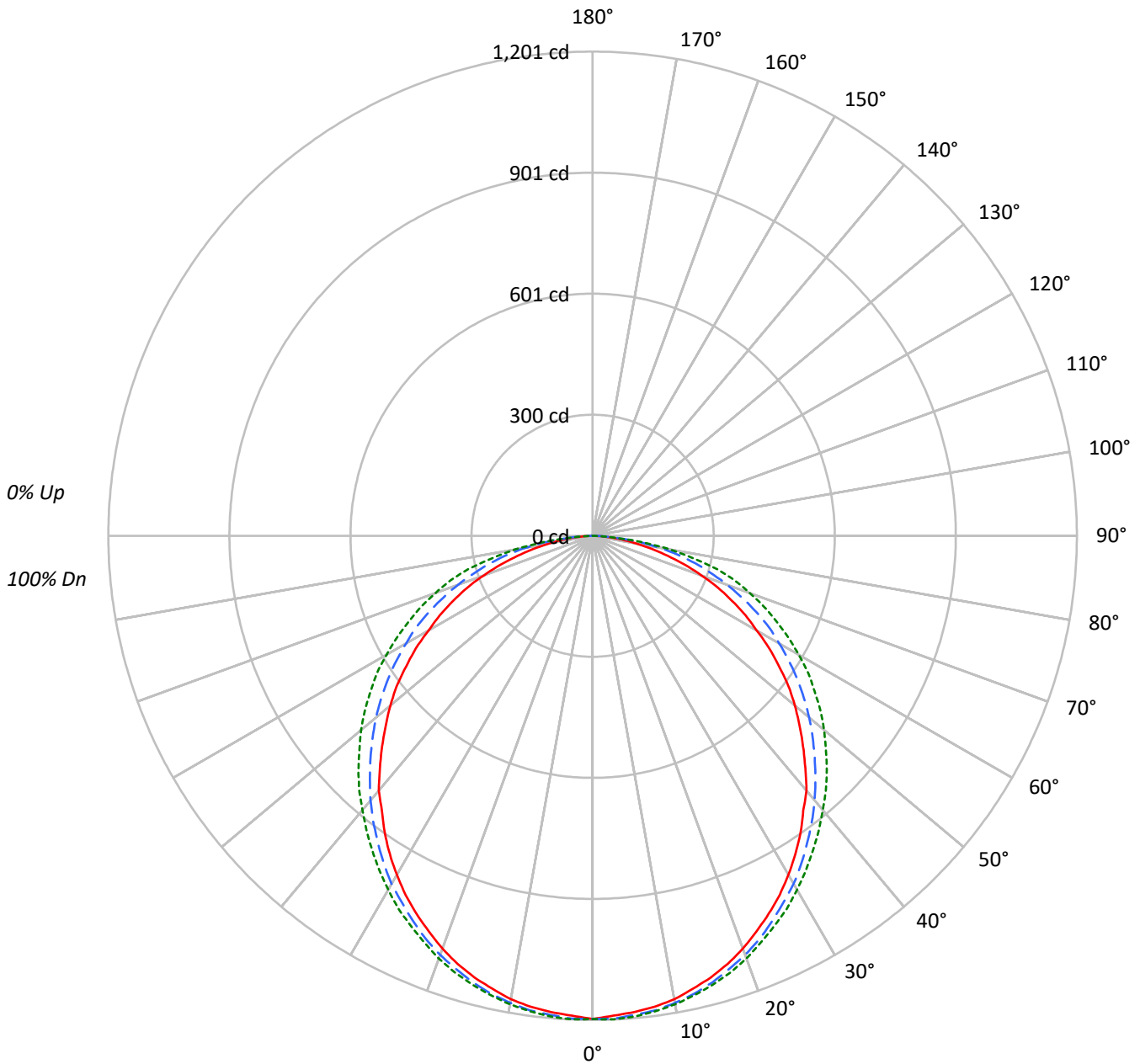
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3436.0 lumens  
Efficiency: N/A  
Efficacy: 107.4 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): 32  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3401	3401	3401
5°	3378	3398	3409
10°	3363	3390	3400
15°	3331	3369	3385
20°	3290	3340	3368
25°	3238	3301	3342
30°	3182	3267	3321
35°	3114	3217	3300
40°	3056	3173	3289
45°	2962	3125	3296
50°	2891	3095	3307
55°	2791	3065	3322
60°	2666	3034	3349
65°	2559	3006	3379
70°	2379	2947	3437
75°	2109	2879	3507
80°	1783	2690	3173
85°	1266	1866	1807



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	3.3
10°-20°	323.0	9.4
20°-30°	485.2	14.1
30°-40°	580.6	16.9
40°-50°	602.0	17.5
50°-60°	553.7	16.1
60°-70°	439.4	12.8
70°-80°	271.4	7.9
80°-90°	67.4	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°	921.5	26.8
0°-40°	1502.1	43.7
0°-60°	2657.7	77.3
0°-90°	3436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3436.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1186	1189	1193	1197	1197	113
15°	1134	1138	1147	1152	1152	320
25°	1034	1041	1054	1066	1067	476
35°	899	908	929	947	953	562
45°	738	751	779	810	821	570
55°	564	579	620	662	672	505
65°	381	398	448	490	503	377
75°	192	218	263	303	320	206
85°	39	50	57	57	56	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1198.7	1198.7	1198.7	1198.7	1198.7
2.5°	1191.3	1193.1	1198.7	1200.6	1200.6
5°	1185.8	1189.4	1193.1	1196.9	1196.9
7.5°	1178.3	1182.1	1187.6	1189.4	1189.4
10°	1167.3	1171.0	1176.5	1180.1	1180.1
12.5°	1150.6	1156.2	1163.5	1167.3	1167.3
15°	1133.9	1137.6	1146.9	1152.4	1152.4
17.5°	1113.7	1117.3	1126.6	1133.9	1135.8
20°	1089.6	1093.2	1106.2	1113.7	1115.5
22.5°	1061.9	1067.3	1082.1	1089.6	1091.4
25°	1034.1	1041.4	1054.4	1065.5	1067.3
27.5°	1004.5	1011.8	1024.8	1039.6	1043.2
30°	971.1	978.6	997.1	1010.0	1013.7
32.5°	936.1	945.2	963.8	980.5	984.1
35°	899.1	908.4	928.6	947.1	952.7
37.5°	858.4	871.3	893.4	913.8	921.1
40°	825.0	832.4	856.5	880.6	887.9
42.5°	780.6	791.7	817.7	845.4	856.5
45°	738.1	751.0	778.8	810.2	821.3
47.5°	695.6	708.5	739.9	773.3	784.3
50°	654.9	666.0	701.0	738.1	749.2
52.5°	612.3	623.5	660.3	701.0	712.2
55°	564.1	578.9	619.6	662.3	671.5
57.5°	519.8	534.6	577.1	617.8	634.4
60°	469.8	488.4	534.6	575.3	590.1
62.5°	427.3	442.0	493.9	534.6	547.5
65°	381.1	397.7	447.7	490.2	503.2
67.5°	336.7	353.3	401.3	444.1	460.7
70°	286.7	305.2	355.2	397.7	414.3
72.5°	240.6	262.6	307.0	351.5	370.0
75°	192.4	218.3	262.6	303.3	319.9
77.5°	149.8	172.1	214.6	242.4	251.5
80°	109.1	131.4	164.6	183.1	194.2
82.5°	73.9	86.9	112.8	125.8	125.8
85°	38.9	50.0	57.3	57.3	55.5
87.5°	13.0	14.8	11.1	5.5	3.7
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)