

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: P701594

Luminaire Tested: **RX-WO-39HB2750-UNV-22\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701594  
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\_3500K  
Description: 2X2 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

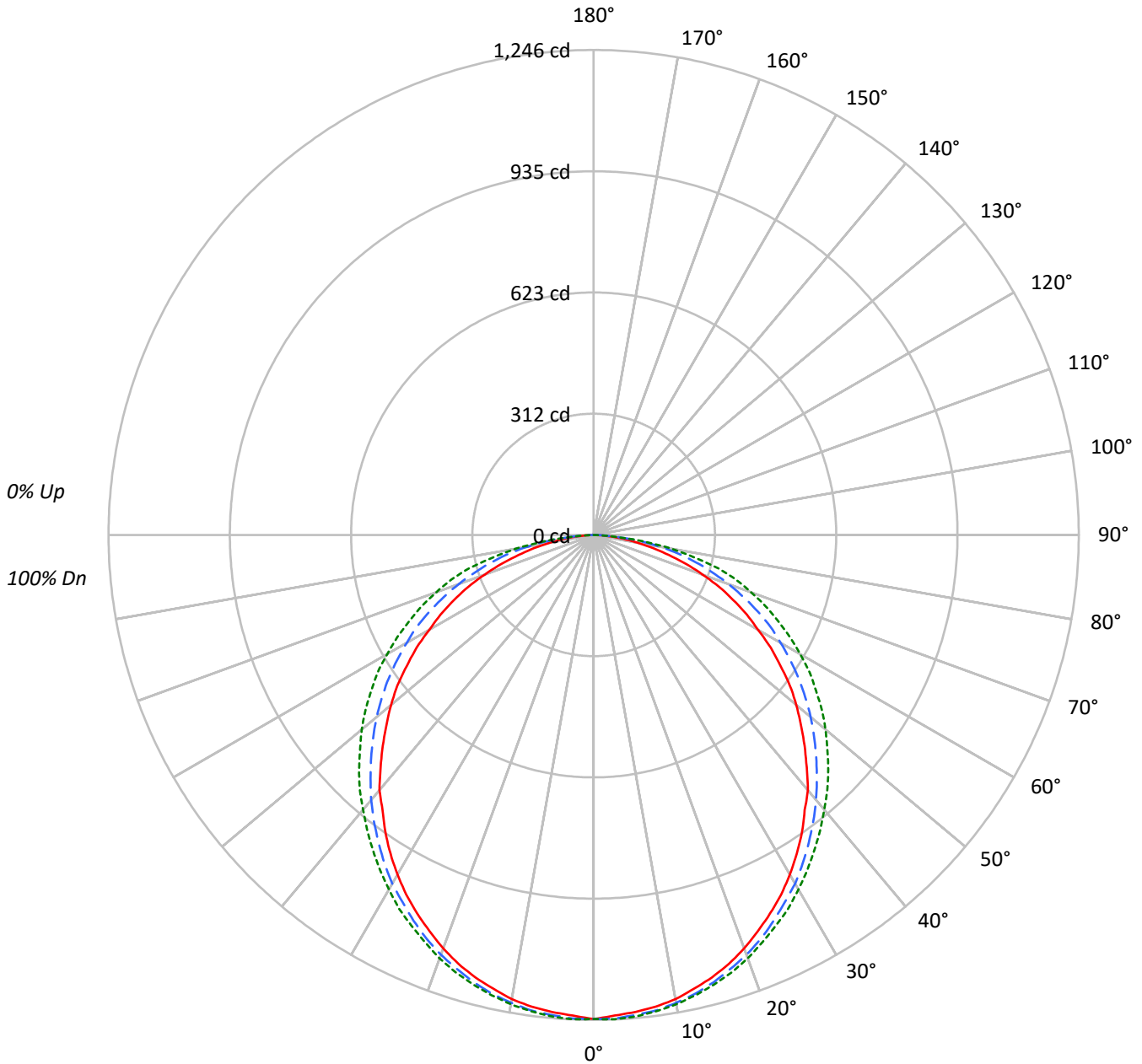
Lumens per Lamp: N/A  
Luminaire Lumens: 3565.0 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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°	3529	3529	3529
5°	3504	3526	3537
10°	3490	3517	3528
15°	3456	3496	3512
20°	3414	3466	3495
25°	3359	3425	3467
30°	3301	3390	3446
35°	3231	3338	3424
40°	3170	3292	3413
45°	3073	3242	3419
50°	2999	3211	3431
55°	2896	3180	3447
60°	2766	3147	3474
65°	2655	3119	3505
70°	2468	3057	3567
75°	2188	2988	3640
80°	1850	2791	3293
85°	1312	1937	1875



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.6	3.3
10°-20°	335.1	9.4
20°-30°	503.5	14.1
30°-40°	602.4	16.9
40°-50°	624.6	17.5
50°-60°	574.4	16.1
60°-70°	455.9	12.8
70°-80°	281.6	7.9
80°-90°	70.0	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°	956.1	26.8
0°-40°	1558.5	43.7
0°-60°	2757.5	77.3
0°-90°	3565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3565.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1244	1244	1244	1244	1244	
5°	1230	1234	1238	1242	1242	117
15°	1176	1180	1190	1196	1196	332
25°	1073	1080	1094	1106	1107	494
35°	933	942	964	983	988	583
45°	766	779	808	841	852	592
55°	585	601	643	687	697	524
65°	395	413	464	509	522	391
75°	200	226	272	315	332	214
85°	40	52	60	60	58	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1243.7	1243.7	1243.7	1243.7	1243.7
2.5°	1236.0	1237.9	1243.7	1245.6	1245.6
5°	1230.3	1234.1	1237.9	1241.9	1241.9
7.5°	1222.5	1226.5	1232.2	1234.1	1234.1
10°	1211.2	1215.0	1220.6	1224.4	1224.4
12.5°	1193.8	1199.6	1207.2	1211.2	1211.2
15°	1176.5	1180.3	1190.0	1195.6	1195.6
17.5°	1155.5	1159.3	1168.9	1176.5	1178.4
20°	1130.5	1134.3	1147.7	1155.5	1157.4
22.5°	1101.7	1107.4	1122.7	1130.5	1132.4
25°	1072.9	1080.5	1094.0	1105.5	1107.4
27.5°	1042.3	1049.8	1063.3	1078.6	1082.4
30°	1007.6	1015.4	1034.5	1047.9	1051.7
32.5°	971.2	980.7	1000.0	1017.3	1021.1
35°	932.8	942.5	963.5	982.6	988.5
37.5°	890.6	904.0	926.9	948.1	955.7
40°	855.9	863.7	888.7	913.7	921.3
42.5°	809.9	821.5	848.4	877.1	888.7
45°	765.8	779.2	808.0	840.6	852.1
47.5°	721.7	735.1	767.7	802.3	813.7
50°	679.4	691.0	727.3	765.8	777.3
52.5°	635.3	646.9	685.1	727.3	738.9
55°	585.3	600.7	642.9	687.2	696.7
57.5°	539.3	554.6	598.8	641.0	658.2
60°	487.4	506.7	554.6	596.9	612.2
62.5°	443.3	458.6	512.4	554.6	568.1
65°	395.4	412.6	464.5	508.6	522.1
67.5°	349.4	366.6	416.4	460.7	478.0
70°	297.5	316.6	368.5	412.6	429.9
72.5°	249.6	272.5	318.5	364.7	383.8
75°	199.6	226.5	272.5	314.7	332.0
77.5°	155.5	178.6	222.7	251.5	260.9
80°	113.2	136.3	170.8	189.9	201.5
82.5°	76.7	90.1	117.0	130.5	130.5
85°	40.3	51.9	59.5	59.5	57.6
87.5°	13.4	15.3	11.6	5.7	3.8
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)