

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: P701592

Luminaire Tested: **RX-WO-39HB2750-UNV-22\_2700K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701592  
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\_2700K  
Description: 2X2 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

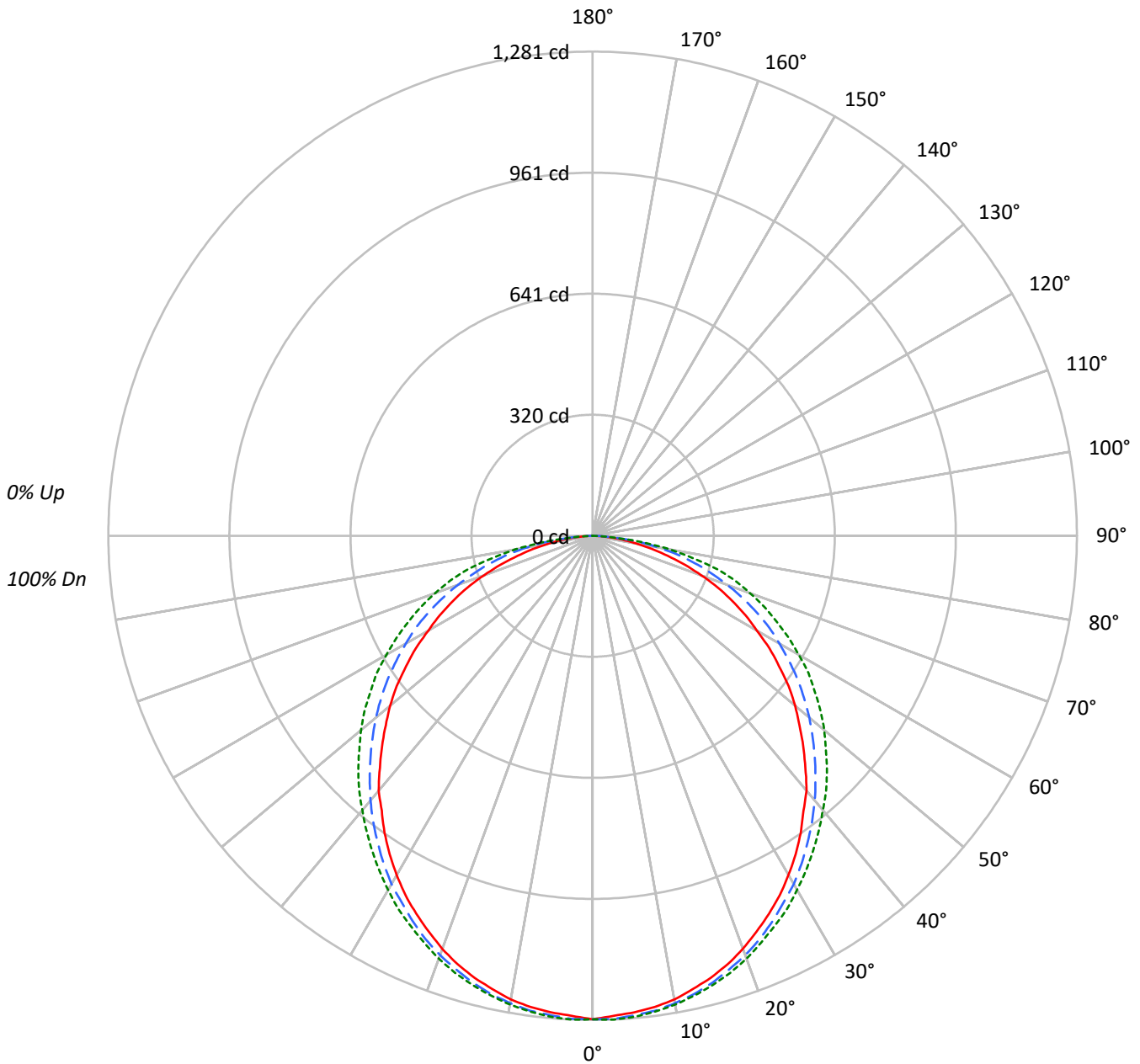
Lumens per Lamp: N/A  
Luminaire Lumens: 3667.0 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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									
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°	3630	3630	3630
5°	3605	3627	3639
10°	3590	3618	3629
15°	3555	3596	3613
20°	3511	3565	3595
25°	3455	3523	3566
30°	3396	3487	3545
35°	3324	3433	3522
40°	3261	3386	3510
45°	3161	3335	3517
50°	3085	3303	3530
55°	2979	3272	3545
60°	2845	3238	3574
65°	2731	3208	3606
70°	2539	3144	3669
75°	2251	3073	3744
80°	1904	2871	3386
85°	1351	1992	1927



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	3.3
10°-20°	344.7	9.4
20°-30°	517.9	14.1
30°-40°	619.6	16.9
40°-50°	642.5	17.5
50°-60°	590.9	16.1
60°-70°	469.0	12.8
70°-80°	289.7	7.9
80°-90°	72.0	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°	983.5	26.8
0°-40°	1603.1	43.7
0°-60°	2836.4	77.3
0°-90°	3667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3667.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1279	1279	1279	1279	1279	
5°	1266	1269	1273	1277	1277	120
15°	1210	1214	1224	1230	1230	341
25°	1104	1111	1125	1137	1139	508
35°	960	969	991	1011	1017	600
45°	788	802	831	865	876	608
55°	602	618	661	707	717	539
65°	407	424	478	523	537	402
75°	205	233	280	324	342	220
85°	42	53	61	61	59	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1279.3	1279.3	1279.3	1279.3	1279.3
2.5°	1271.3	1273.3	1279.3	1281.3	1281.3
5°	1265.5	1269.4	1273.3	1277.4	1277.4
7.5°	1257.5	1261.6	1267.4	1269.4	1269.4
10°	1245.8	1249.7	1255.6	1259.5	1259.5
12.5°	1227.9	1233.9	1241.7	1245.8	1245.8
15°	1210.2	1214.1	1224.0	1229.9	1229.9
17.5°	1188.6	1192.5	1202.4	1210.2	1212.1
20°	1162.8	1166.7	1180.6	1188.6	1190.5
22.5°	1133.2	1139.1	1154.9	1162.8	1164.8
25°	1103.6	1111.4	1125.3	1137.1	1139.1
27.5°	1072.1	1079.9	1093.7	1109.5	1113.4
30°	1036.4	1044.4	1064.1	1077.9	1081.8
32.5°	999.0	1008.8	1028.6	1046.4	1050.3
35°	959.5	969.4	991.1	1010.7	1016.8
37.5°	916.1	929.9	953.5	975.3	983.1
40°	880.4	888.4	914.1	939.8	947.6
42.5°	833.1	845.0	872.6	902.2	914.1
45°	787.7	801.5	831.1	864.6	876.5
47.5°	742.3	756.1	789.6	825.3	837.0
50°	698.9	710.8	748.2	787.7	799.6
52.5°	653.5	665.4	704.7	748.2	760.0
55°	602.1	617.8	661.3	706.9	716.6
57.5°	554.7	570.5	615.9	659.3	677.1
60°	501.4	521.2	570.5	614.0	629.7
62.5°	456.0	471.8	527.1	570.5	584.3
65°	406.7	424.4	477.8	523.2	537.0
67.5°	359.4	377.1	428.3	473.9	491.6
70°	306.0	325.7	379.0	424.4	442.2
72.5°	256.7	280.3	327.6	375.2	394.8
75°	205.3	233.0	280.3	323.7	341.5
77.5°	159.9	183.7	229.1	258.7	268.4
80°	116.5	140.2	175.7	195.4	207.2
82.5°	78.9	92.7	120.4	134.2	134.2
85°	41.5	53.4	61.2	61.2	59.2
87.5°	13.8	15.8	11.9	5.8	3.9
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)