

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: P701599

Luminaire Tested: **RX-WO-44HB2750-UNV-22\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701599  
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-44HB2750-UNV-22\_3500K  
Description: 2X2 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

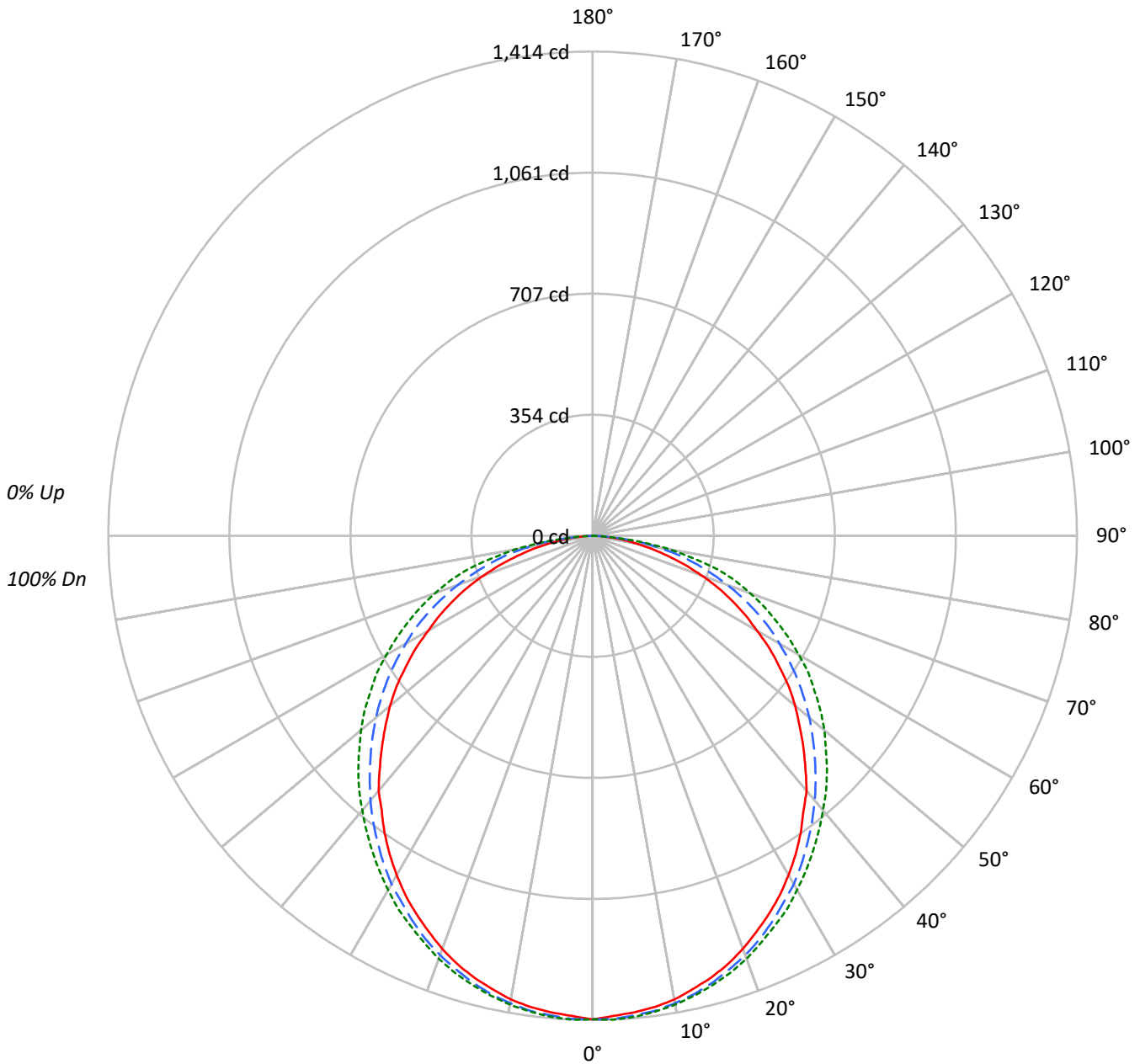
Lumens per Lamp: N/A  
Luminaire Lumens: 4048.0 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 36  
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°	4007	4007	4007
5°	3979	4004	4016
10°	3963	3993	4006
15°	3924	3969	3988
20°	3876	3935	3968
25°	3814	3889	3937
30°	3749	3849	3913
35°	3669	3790	3888
40°	3600	3738	3875
45°	3489	3682	3883
50°	3406	3646	3897
55°	3288	3611	3914
60°	3141	3574	3945
65°	3015	3541	3980
70°	2803	3471	4049
75°	2484	3392	4132
80°	2101	3168	3739
85°	1491	2198	2129



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.5	3.3
10°-20°	380.5	9.4
20°-30°	571.7	14.1
30°-40°	684.0	16.9
40°-50°	709.2	17.5
50°-60°	652.3	16.1
60°-70°	517.7	12.8
70°-80°	319.7	7.9
80°-90°	79.4	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°	1085.7	26.8
0°-40°	1769.6	43.7
0°-60°	3131.1	77.4
0°-90°	4048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4048.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1397	1401	1406	1410	1410	133
15°	1336	1340	1351	1358	1358	377
25°	1218	1227	1242	1255	1257	561
35°	1059	1070	1094	1116	1122	662
45°	870	885	918	954	968	672
55°	665	682	730	780	791	595
65°	449	468	527	578	593	444
75°	227	257	309	357	377	242
85°	46	59	68	68	65	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1412.3	1412.3	1412.3	1412.3	1412.3
2.5°	1403.4	1405.6	1412.3	1414.4	1414.4
5°	1397.0	1401.3	1405.6	1410.1	1410.1
7.5°	1388.2	1392.7	1399.1	1401.3	1401.3
10°	1375.3	1379.6	1386.0	1390.3	1390.3
12.5°	1355.5	1362.2	1370.8	1375.3	1375.3
15°	1335.9	1340.2	1351.2	1357.6	1357.6
17.5°	1312.1	1316.4	1327.3	1335.9	1338.1
20°	1283.7	1288.0	1303.2	1312.1	1314.2
22.5°	1251.0	1257.4	1274.9	1283.7	1285.8
25°	1218.3	1226.9	1242.2	1255.3	1257.4
27.5°	1183.5	1192.1	1207.3	1224.8	1229.1
30°	1144.1	1152.9	1174.7	1189.9	1194.2
32.5°	1102.8	1113.6	1135.5	1155.1	1159.4
35°	1059.2	1070.2	1094.0	1115.7	1122.4
37.5°	1011.2	1026.5	1052.5	1076.6	1085.2
40°	971.9	980.7	1009.1	1037.5	1046.1
42.5°	919.6	932.8	963.3	996.0	1009.1
45°	869.5	884.8	917.5	954.5	967.6
47.5°	819.4	834.7	871.7	911.0	923.9
50°	771.5	784.6	825.9	869.5	882.7
52.5°	721.4	734.5	777.9	825.9	839.0
55°	664.6	682.0	730.0	780.3	791.1
57.5°	612.4	629.8	679.9	727.8	747.4
60°	553.5	575.4	629.8	677.7	695.2
62.5°	503.4	520.8	581.8	629.8	645.1
65°	449.0	468.5	527.4	577.5	592.8
67.5°	396.7	416.3	472.8	523.1	542.7
70°	337.8	359.5	418.4	468.5	488.1
72.5°	283.4	309.4	361.7	414.1	435.8
75°	226.6	257.2	309.4	357.4	376.9
77.5°	176.5	202.8	252.9	285.5	296.3
80°	128.6	154.8	193.9	215.7	228.8
82.5°	87.1	102.3	132.9	148.1	148.1
85°	45.8	58.9	67.5	67.5	65.4
87.5°	15.3	17.4	13.1	6.5	4.3
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)