

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: P701650

Luminaire Tested: **RX-WO-35LB2750-UNV-24\_4000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 8/21/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-35LB2750-UNV-24\_4000K  
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

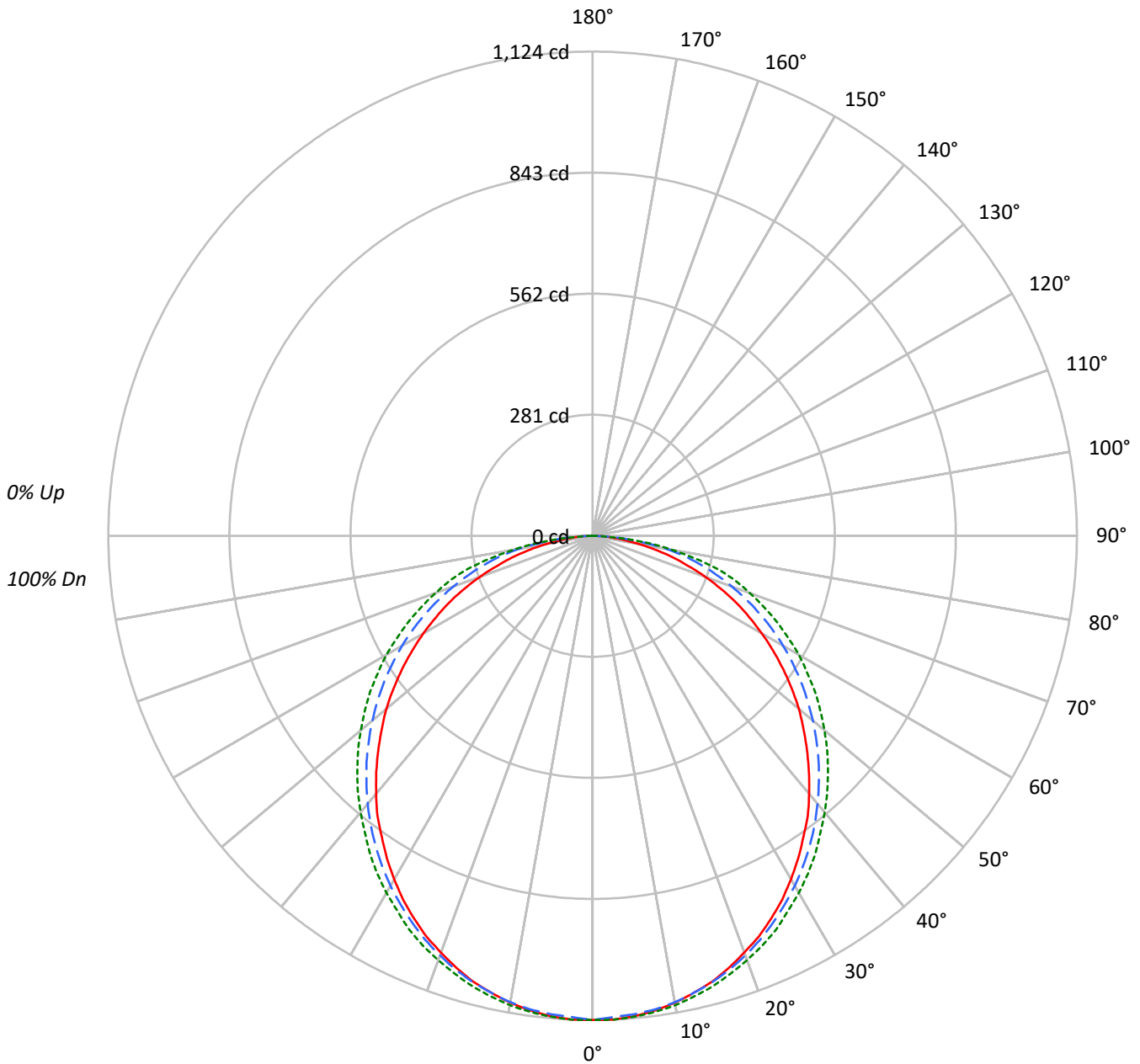
Lumens per Lamp: N/A  
Luminaire Lumens: 3272.0 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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

TEST NUMBER: P701650

CATALOG NUMBER: RX-WO-35LB2750-UNV-24\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P701650

CATALOG NUMBER: RX-WO-35LB2750-UNV-24\_4000K

**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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68								
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57								
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	67	55	46	40	53	45	39	51	44	39	50	44	39	37								
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32								
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1586	1586	1586
5°	1586	1579	1588
10°	1577	1576	1586
15°	1566	1567	1581
20°	1546	1557	1574
25°	1527	1543	1570
30°	1501	1529	1560
35°	1470	1514	1552
40°	1440	1496	1544
45°	1404	1481	1542
50°	1373	1465	1542
55°	1328	1452	1550
60°	1280	1441	1560
65°	1229	1428	1573
70°	1148	1417	1601
75°	1045	1421	1650
80°	864	1405	1520
85°	662	1116	1078



TEST NUMBER: P701650

CATALOG NUMBER: RX-WO-35LB2750-UNV-24\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.3	3.2
10°-20°	303.5	9.3
20°-30°	457.8	14.0
30°-40°	549.6	16.8
40°-50°	571.6	17.5
50°-60°	525.7	16.1
60°-70°	419.0	12.8
70°-80°	265.5	8.1
80°-90°	73.0	2.2
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°	867.6	26.5
0°-40°	1417.2	43.3
0°-60°	2514.5	76.8
0°-90°	3272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3272.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1119	1119	1115	1121	1121	106
15°	1072	1072	1073	1081	1082	302
25°	980	985	991	1005	1008	452
35°	853	862	879	895	901	534
45°	703	719	742	765	772	543
55°	540	557	590	619	630	482
65°	368	387	428	460	471	363
75°	192	216	261	293	303	202
85°	41	58	69	68	67	49
90°	0	0	0	0	0	



TEST NUMBER: P701650

CATALOG NUMBER: RX-WO-35LB2750-UNV-24\_4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1124.1	1124.1	1124.1	1124.1	1124.1
2.5°	1124.1	1124.1	1118.3	1124.1	1124.1
5°	1119.4	1119.4	1114.8	1120.6	1120.6
7.5°	1111.3	1112.4	1108.9	1114.8	1114.8
10°	1100.7	1101.9	1099.6	1106.6	1106.6
12.5°	1086.7	1087.9	1086.7	1094.9	1094.9
15°	1071.5	1071.5	1072.7	1080.9	1082.0
17.5°	1051.7	1054.0	1056.3	1065.7	1065.7
20°	1029.5	1033.0	1036.5	1048.2	1048.2
22.5°	1007.3	1010.8	1015.4	1027.1	1029.5
25°	980.4	985.1	990.9	1004.9	1008.4
27.5°	952.3	955.8	965.2	980.4	981.5
30°	920.8	926.6	938.3	953.5	957.0
32.5°	888.1	896.2	909.1	926.6	930.1
35°	853.0	862.4	878.7	895.1	900.9
37.5°	820.3	827.3	846.0	864.7	868.2
40°	781.7	792.2	812.1	833.1	837.8
42.5°	743.2	754.9	777.1	798.1	806.3
45°	703.4	718.6	742.0	765.4	772.4
47.5°	663.7	680.1	704.6	730.3	738.5
50°	625.2	640.3	667.2	694.1	702.3
52.5°	581.9	599.4	628.7	657.9	666.0
55°	539.9	557.4	590.1	619.3	629.8
57.5°	496.6	516.5	550.4	580.7	590.1
60°	453.4	474.4	510.6	541.0	552.7
62.5°	410.1	430.0	469.7	500.1	510.6
65°	368.1	386.8	427.7	460.4	470.9
67.5°	322.5	343.5	385.6	419.5	428.8
70°	278.1	299.1	343.5	378.6	387.9
72.5°	232.5	257.1	301.5	335.4	348.2
75°	191.6	216.2	260.6	293.3	302.6
77.5°	148.4	172.9	218.5	241.9	243.0
80°	106.3	134.4	172.9	182.3	187.0
82.5°	70.1	97.0	119.2	130.9	130.9
85°	40.9	58.4	68.9	67.8	66.6
87.5°	15.2	19.9	16.4	11.7	8.2
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)