

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: P701648

Luminaire Tested: **RX-WO-35LB2750-UNV-24\_3000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701648  
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\_3000K  
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

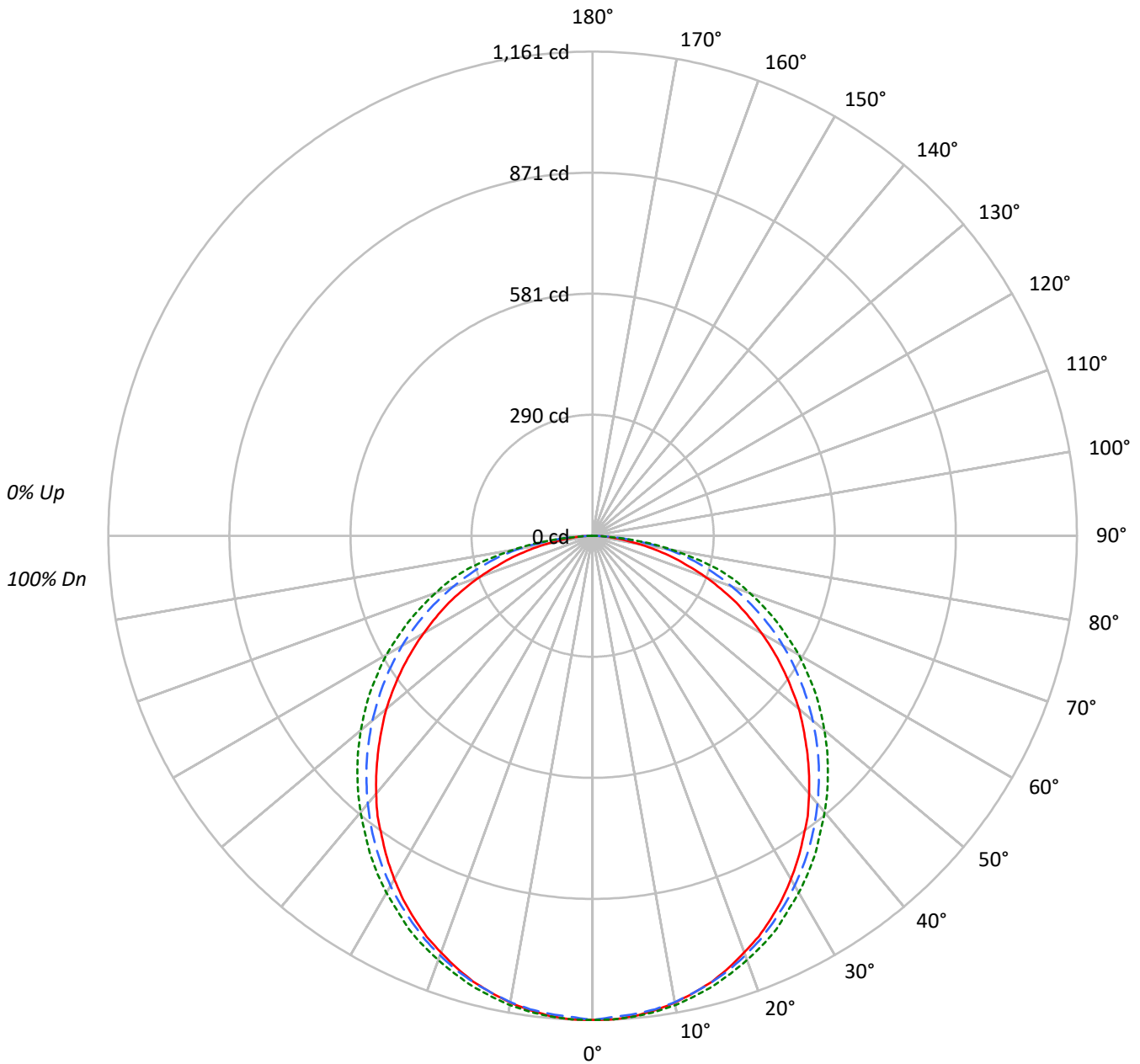
Lumens per Lamp: N/A  
Luminaire Lumens: 3379.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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

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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				100				
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83				83				
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68				68				
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57				57				
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49				49				
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42				
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37				37				
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32				32				
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29				29				
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26				26				
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23				23				

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

	0°	45°	90°
0°	1638	1638	1638
5°	1638	1631	1639
10°	1629	1627	1638
15°	1617	1619	1633
20°	1597	1608	1626
25°	1577	1594	1622
30°	1550	1579	1611
35°	1518	1564	1603
40°	1487	1545	1594
45°	1450	1529	1592
50°	1418	1513	1592
55°	1372	1499	1600
60°	1322	1488	1611
65°	1269	1475	1624
70°	1185	1464	1653
75°	1079	1467	1704
80°	892	1452	1569
85°	683	1153	1114



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.8	3.2
10°-20°	313.4	9.3
20°-30°	472.8	14.0
30°-40°	567.6	16.8
40°-50°	590.3	17.5
50°-60°	542.9	16.1
60°-70°	432.7	12.8
70°-80°	274.2	8.1
80°-90°	75.4	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°	895.9	26.5
0°-40°	1463.5	43.3
0°-60°	2596.7	76.8
0°-90°	3379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1156	1156	1151	1157	1157	110
15°	1107	1107	1108	1116	1117	312
25°	1012	1017	1023	1038	1041	466
35°	881	891	908	924	930	552
45°	726	742	766	790	798	561
55°	558	576	609	640	650	498
65°	380	399	442	475	486	375
75°	198	223	269	303	312	208
85°	42	60	71	70	69	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1160.9	1160.9	1160.9	1160.9	1160.9
2.5°	1160.9	1160.9	1154.8	1160.9	1160.9
5°	1156.0	1156.0	1151.2	1157.2	1157.2
7.5°	1147.6	1148.8	1145.2	1151.2	1151.2
10°	1136.7	1137.9	1135.5	1142.8	1142.8
12.5°	1122.3	1123.5	1122.3	1130.7	1130.7
15°	1106.6	1106.6	1107.8	1116.2	1117.4
17.5°	1086.0	1088.5	1090.9	1100.5	1100.5
20°	1063.1	1066.7	1070.4	1082.4	1082.4
22.5°	1040.2	1043.8	1048.6	1060.7	1063.1
25°	1012.4	1017.3	1023.3	1037.8	1041.4
27.5°	983.5	987.1	996.8	1012.4	1013.6
30°	950.9	956.9	969.0	984.7	988.3
32.5°	917.1	925.6	938.8	956.9	960.5
35°	880.9	890.6	907.5	924.3	930.4
37.5°	847.1	854.4	873.7	893.0	896.6
40°	807.3	818.2	838.7	860.4	865.2
42.5°	767.5	779.5	802.5	824.2	832.6
45°	726.4	742.1	766.3	790.4	797.6
47.5°	685.4	702.3	727.7	754.2	762.6
50°	645.6	661.3	689.0	716.8	725.2
52.5°	600.9	619.0	649.2	679.4	687.8
55°	557.5	575.6	609.4	639.6	650.4
57.5°	512.9	533.4	568.4	599.7	609.4
60°	468.2	489.9	527.3	558.7	570.8
62.5°	423.6	444.1	485.1	516.5	527.3
65°	380.1	399.4	441.7	475.4	486.3
67.5°	333.1	354.8	398.2	433.2	442.9
70°	287.2	308.9	354.8	391.0	400.6
72.5°	240.1	265.5	311.3	346.3	359.6
75°	197.9	223.2	269.1	302.9	312.5
77.5°	153.3	178.6	225.7	249.8	251.0
80°	109.8	138.8	178.6	188.2	193.1
82.5°	72.4	100.2	123.1	135.2	135.2
85°	42.2	60.3	71.2	70.0	68.8
87.5°	15.7	20.5	16.9	12.1	8.4
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)