

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: P701643

Luminaire Tested: **RX-WO-35HB2750-UNV-24\_3000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701643  
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-35HB2750-UNV-24\_3000K  
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

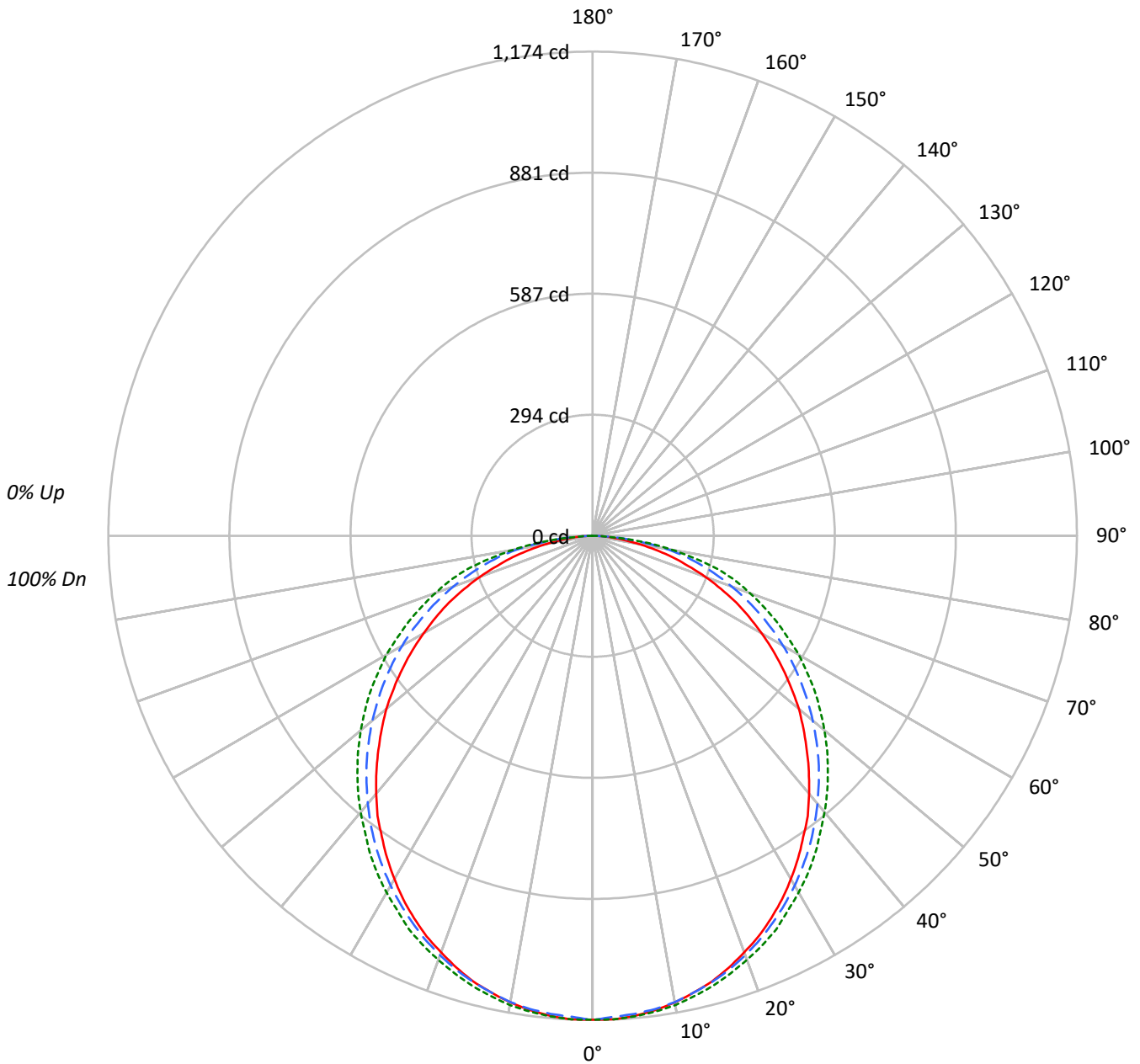
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3416.0 lumens  
Efficiency: N/A  
Efficacy: 131.4 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): 26  
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	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°	1656	1656	1656
5°	1656	1649	1657
10°	1647	1645	1656
15°	1635	1636	1651
20°	1614	1625	1644
25°	1594	1611	1639
30°	1567	1596	1628
35°	1534	1581	1621
40°	1504	1562	1612
45°	1466	1546	1610
50°	1433	1529	1610
55°	1387	1516	1618
60°	1336	1505	1629
65°	1283	1491	1642
70°	1198	1480	1671
75°	1091	1483	1723
80°	902	1468	1587
85°	691	1166	1125



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.0	3.2
10°-20°	316.8	9.3
20°-30°	477.9	14.0
30°-40°	573.8	16.8
40°-50°	596.8	17.5
50°-60°	548.8	16.1
60°-70°	437.4	12.8
70°-80°	277.2	8.1
80°-90°	76.2	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°	905.7	26.5
0°-40°	1479.6	43.3
0°-60°	2625.2	76.8
0°-90°	3416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3416.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1169	1169	1164	1170	1170	111
15°	1119	1119	1120	1128	1130	315
25°	1024	1028	1034	1049	1053	471
35°	891	900	917	934	941	558
45°	734	750	775	799	806	567
55°	564	582	616	647	658	504
65°	384	404	446	481	492	379
75°	200	226	272	306	316	210
85°	43	61	72	71	70	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1173.6	1173.6	1173.6	1173.6	1173.6
2.5°	1173.6	1173.6	1167.5	1173.6	1173.6
5°	1168.7	1168.7	1163.8	1169.9	1169.9
7.5°	1160.2	1161.4	1157.7	1163.8	1163.8
10°	1149.2	1150.4	1148.0	1155.3	1155.3
12.5°	1134.5	1135.8	1134.5	1143.1	1143.1
15°	1118.7	1118.7	1119.9	1128.4	1129.7
17.5°	1097.9	1100.4	1102.8	1112.6	1112.6
20°	1074.8	1078.4	1082.1	1094.3	1094.3
22.5°	1051.6	1055.2	1060.1	1072.3	1074.8
25°	1023.5	1028.4	1034.5	1049.1	1052.8
27.5°	994.2	997.9	1007.7	1023.5	1024.7
30°	961.3	967.4	979.6	995.5	999.1
32.5°	927.2	935.7	949.1	967.4	971.1
35°	890.6	900.3	917.4	934.5	940.6
37.5°	856.4	863.7	883.2	902.8	906.4
40°	816.1	827.1	847.9	869.8	874.7
42.5°	775.9	788.1	811.3	833.2	841.8
45°	734.4	750.3	774.7	799.1	806.4
47.5°	692.9	710.0	735.6	762.5	771.0
50°	652.7	668.5	696.6	724.6	733.2
52.5°	607.5	625.8	656.3	686.8	695.4
55°	563.6	581.9	616.1	646.6	657.5
57.5°	518.5	539.2	574.6	606.3	616.1
60°	473.3	495.3	533.1	564.8	577.0
62.5°	428.2	448.9	490.4	522.1	533.1
65°	384.3	403.8	446.5	480.7	491.6
67.5°	336.7	358.7	402.6	438.0	447.7
70°	290.3	312.3	358.7	395.3	405.0
72.5°	242.8	268.4	314.7	350.1	363.5
75°	200.1	225.7	272.0	306.2	316.0
77.5°	154.9	180.6	228.1	252.5	253.7
80°	111.0	140.3	180.6	190.3	195.2
82.5°	73.2	101.3	124.4	136.6	136.6
85°	42.7	61.0	72.0	70.8	69.5
87.5°	15.9	20.7	17.1	12.2	8.5
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)