

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: P701549

Luminaire Tested: **RX-WO-44LB2750-UNV-14_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44LB2750-UNV-14_3500K
Description: 1X4 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

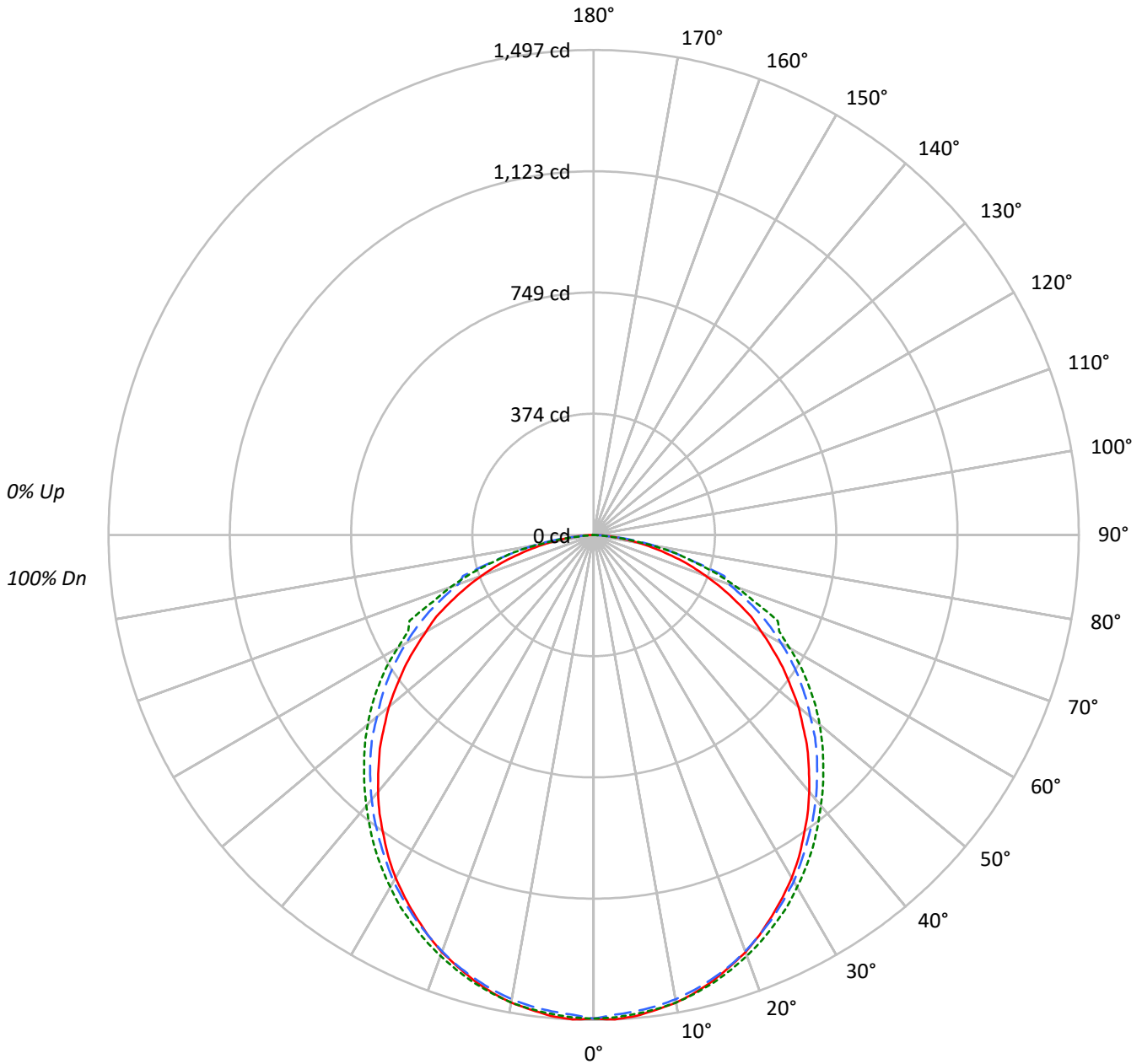
Lumens per Lamp: N/A
Luminaire Lumens: 4245.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
Input Voltage (V): NR
Input Current (A_{in}): 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: P701549

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P701549

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_3500K

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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83																			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43																			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33																			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4214	4214	4214
5°	4224	4183	4207
10°	4202	4172	4202
15°	4162	4144	4180
20°	4116	4109	4153
25°	4047	4066	4125
30°	3984	4025	4092
35°	3896	3968	4061
40°	3813	3928	4020
45°	3724	3890	3998
50°	3621	3831	3996
55°	3504	3812	3986
60°	3374	3773	3938
65°	3241	3741	4186
70°	3025	3660	3867
75°	2725	3542	3475
80°	2302	3046	2877
85°	1687	1483	541



TEST NUMBER: P701549

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	3.3
10°-20°	401.8	9.5
20°-30°	604.1	14.2
30°-40°	722.6	17.0
40°-50°	749.2	17.6
50°-60°	687.0	16.2
60°-70°	546.5	12.9
70°-80°	324.7	7.6
80°-90°	68.1	1.6
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°	1146.9	27.0
0°-40°	1869.5	44.0
0°-60°	3305.7	77.9
0°-90°	4245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4245.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1493	1493	1493	1493	1493	
5°	1491	1487	1476	1487	1485	141
15°	1424	1422	1418	1430	1430	402
25°	1299	1301	1306	1324	1324	599
35°	1131	1137	1152	1174	1179	708
45°	933	947	974	995	1002	718
55°	712	737	775	806	810	636
65°	485	514	560	583	627	480
75°	250	285	325	323	319	266
85°	52	64	46	25	17	63
90°	0	0	0	0	0	



TEST NUMBER: P701549

CATALOG NUMBER: RX-WO-44LB2750-UNV-14_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1493.0	1493.0	1493.0	1493.0	1493.0
2.5°	1497.1	1493.0	1482.6	1493.0	1490.9
5°	1490.9	1486.7	1476.3	1486.7	1484.6
7.5°	1478.4	1476.3	1468.0	1478.4	1476.3
10°	1465.9	1461.7	1455.5	1465.9	1465.9
12.5°	1447.2	1443.0	1438.8	1451.3	1449.3
15°	1424.3	1422.2	1418.0	1430.5	1430.5
17.5°	1397.2	1397.2	1395.1	1407.6	1407.6
20°	1370.1	1368.0	1368.0	1382.6	1382.6
22.5°	1336.8	1336.8	1336.8	1355.5	1355.5
25°	1299.3	1301.4	1305.6	1324.3	1324.3
27.5°	1261.8	1266.0	1270.2	1288.9	1293.1
30°	1222.3	1224.4	1234.8	1253.5	1255.6
32.5°	1178.6	1182.7	1193.1	1214.0	1218.1
35°	1130.7	1136.9	1151.5	1174.4	1178.6
37.5°	1084.9	1093.2	1109.8	1132.7	1134.8
40°	1034.9	1045.3	1066.1	1086.9	1091.1
42.5°	982.8	995.3	1020.3	1043.2	1047.4
45°	932.9	947.4	974.5	995.3	1001.6
47.5°	876.6	893.3	926.6	951.6	957.8
50°	824.6	841.2	872.5	903.7	909.9
52.5°	766.3	789.2	824.6	855.8	862.1
55°	712.1	737.1	774.6	805.8	810.0
57.5°	653.8	680.9	722.5	751.7	757.9
60°	597.6	626.8	668.4	695.5	697.6
62.5°	547.6	572.6	614.3	639.3	645.5
65°	485.2	514.3	560.1	583.0	626.8
67.5°	426.9	456.0	499.7	576.8	535.1
70°	366.5	399.8	443.5	464.3	468.5
72.5°	310.3	343.6	422.7	399.8	397.7
75°	249.9	285.3	324.8	322.7	318.6
77.5°	193.6	231.1	254.0	256.1	256.1
80°	141.6	187.4	187.4	187.4	177.0
82.5°	91.6	120.8	120.8	104.1	93.7
85°	52.1	64.5	45.8	25.0	16.7
87.5°	18.7	14.6	4.2	4.2	2.1
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)