

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: P701598

Luminaire Tested: **RX-WO-44HB2750-UNV-22_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701598
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_3000K
Description: 2X2 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

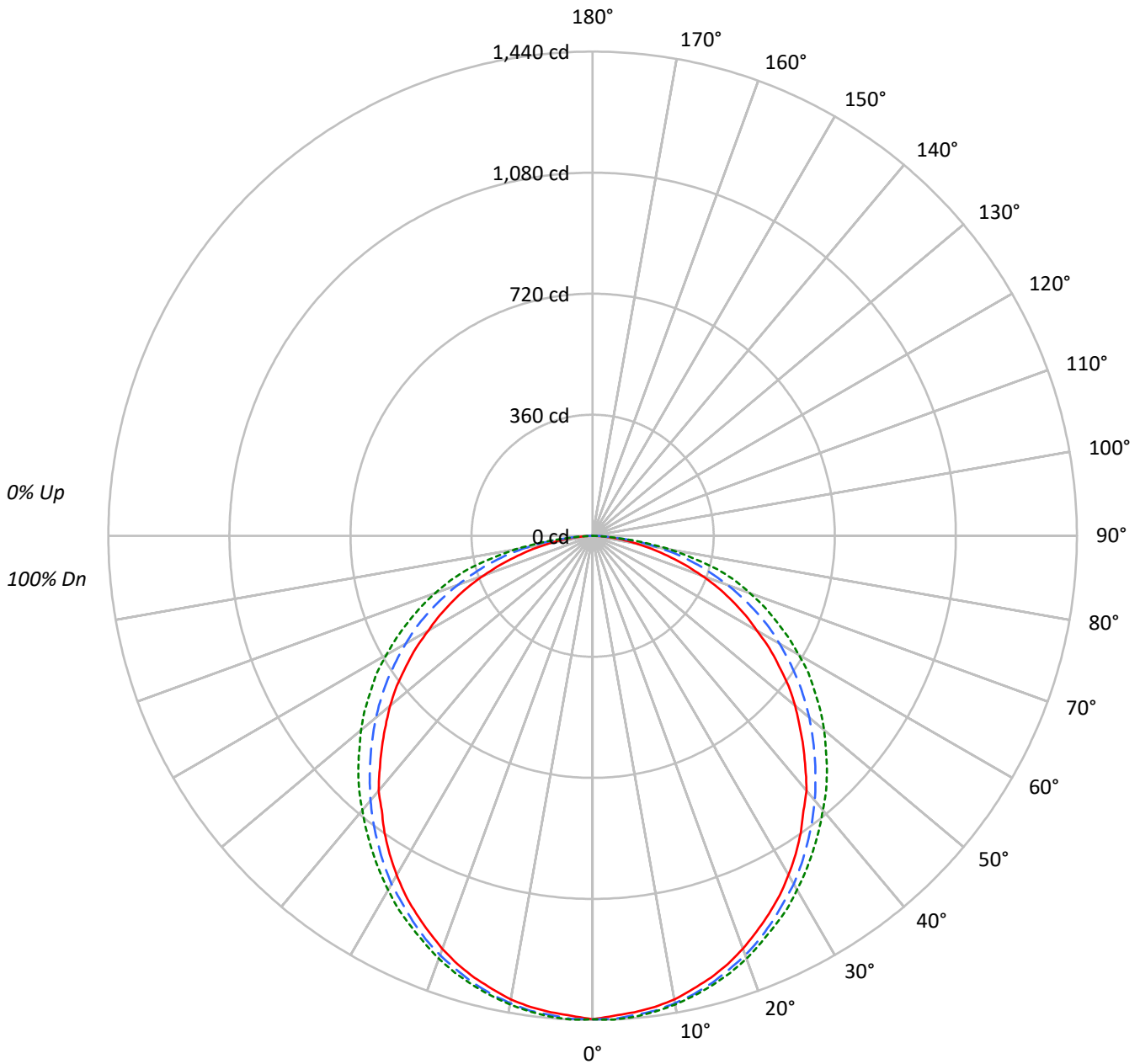
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4122.0 lumens
Efficiency: N/A
Efficacy: 114.5 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_{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

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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°	4081	4081	4081
5°	4052	4077	4090
10°	4035	4067	4079
15°	3996	4042	4061
20°	3947	4007	4041
25°	3884	3960	4009
30°	3817	3919	3985
35°	3736	3859	3959
40°	3666	3806	3946
45°	3553	3749	3954
50°	3468	3713	3968
55°	3348	3677	3985
60°	3198	3639	4017
65°	3070	3606	4053
70°	2854	3535	4123
75°	2530	3455	4208
80°	2139	3227	3807
85°	1517	2240	2168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	3.3
10°-20°	387.4	9.4
20°-30°	582.1	14.1
30°-40°	696.5	16.9
40°-50°	722.2	17.5
50°-60°	664.2	16.1
60°-70°	527.2	12.8
70°-80°	325.6	7.9
80°-90°	80.9	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°	1105.5	26.8
0°-40°	1802.0	43.7
0°-60°	3188.4	77.3
0°-90°	4122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4122.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1438	1438	1438	1438	1438	
5°	1422	1427	1431	1436	1436	135
15°	1360	1365	1376	1382	1382	384
25°	1241	1249	1265	1278	1280	572
35°	1079	1090	1114	1136	1143	674
45°	885	901	934	972	985	684
55°	677	694	743	795	806	606
65°	457	477	537	588	604	452
75°	231	262	315	364	384	247
85°	47	60	69	69	67	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1438.1	1438.1	1438.1	1438.1	1438.1
2.5°	1429.1	1431.3	1438.1	1440.3	1440.3
5°	1422.5	1426.9	1431.3	1435.9	1435.9
7.5°	1413.5	1418.1	1424.7	1426.9	1426.9
10°	1400.4	1404.8	1411.4	1415.7	1415.7
12.5°	1380.3	1387.1	1395.8	1400.4	1400.4
15°	1360.3	1364.7	1375.9	1382.5	1382.5
17.5°	1336.0	1340.4	1351.6	1360.3	1362.5
20°	1307.1	1311.5	1327.1	1336.0	1338.2
22.5°	1273.9	1280.4	1298.2	1307.1	1309.3
25°	1240.6	1249.3	1264.9	1278.2	1280.4
27.5°	1205.1	1213.9	1229.4	1247.1	1251.5
30°	1165.0	1174.0	1196.1	1211.7	1216.1
32.5°	1123.0	1133.9	1156.3	1176.2	1180.6
35°	1078.6	1089.7	1114.0	1136.1	1142.9
37.5°	1029.7	1045.3	1071.8	1096.3	1105.0
40°	989.7	998.6	1027.5	1056.4	1065.2
42.5°	936.5	949.8	980.9	1014.2	1027.5
45°	885.4	901.0	934.3	971.9	985.3
47.5°	834.4	850.0	887.6	927.7	940.8
50°	785.6	799.0	841.0	885.4	898.8
52.5°	734.6	747.9	792.2	841.0	854.3
55°	676.8	694.5	743.3	794.6	805.5
57.5°	623.6	641.3	692.3	741.1	761.1
60°	563.6	585.9	641.3	690.1	707.9
62.5°	512.6	530.3	592.5	641.3	656.9
65°	457.2	477.1	537.1	588.1	603.6
67.5°	404.0	423.9	481.5	532.7	552.6
70°	344.0	366.1	426.1	477.1	497.0
72.5°	288.6	315.1	368.3	421.7	443.8
75°	230.8	261.9	315.1	363.9	383.8
77.5°	179.8	206.5	257.5	290.8	301.7
80°	130.9	157.6	197.5	219.6	233.0
82.5°	88.7	104.2	135.3	150.9	150.9
85°	46.6	60.0	68.8	68.8	66.6
87.5°	15.5	17.7	13.4	6.6	4.4
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)