

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: P701600

Luminaire Tested: **RX-WO-44HB2750-UNV-22_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701600
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_4000K
Description: 2X2 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

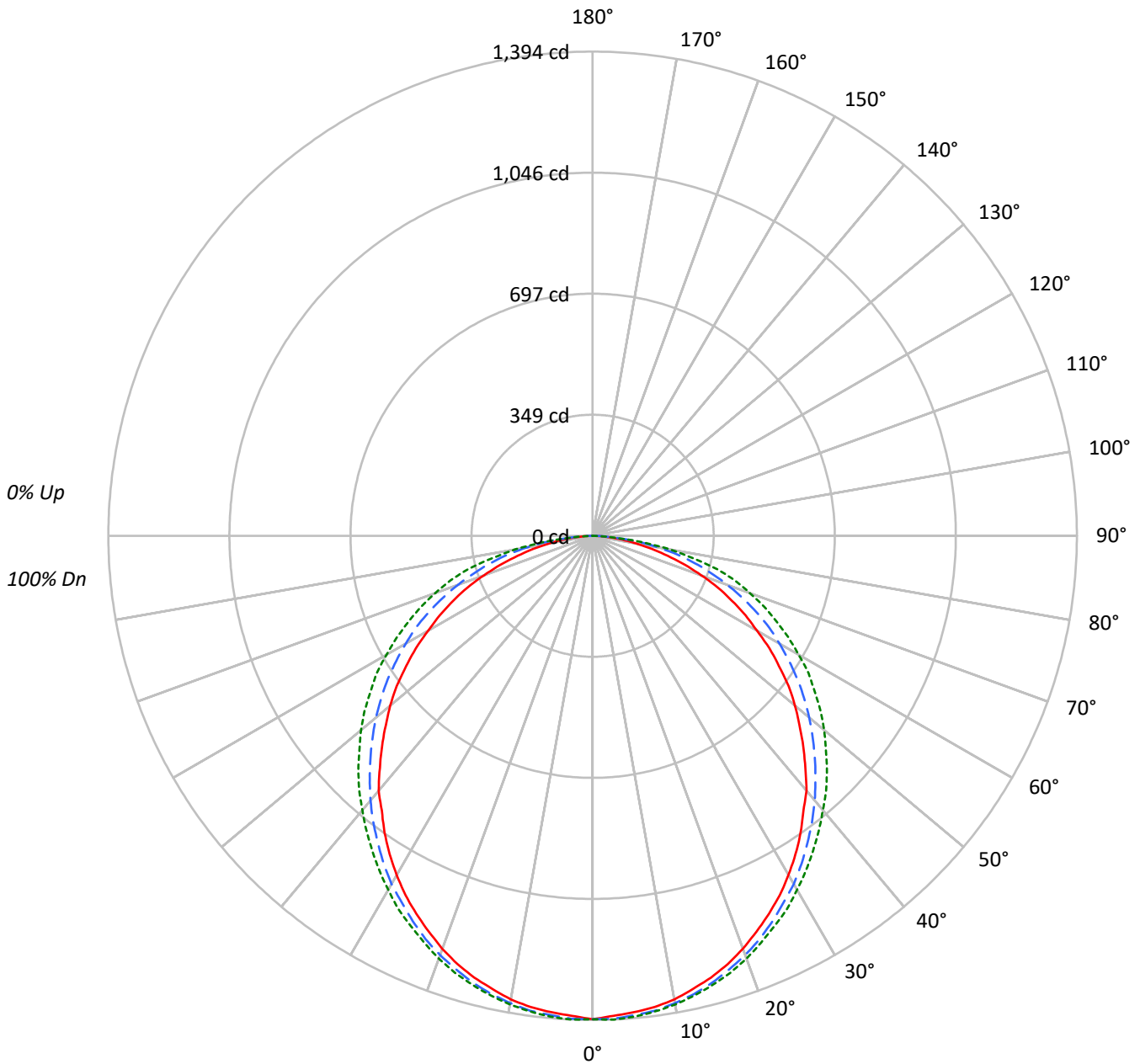
Lumens per Lamp: N/A
Luminaire Lumens: 3990.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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					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	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°	3950	3950	3950
5°	3922	3946	3959
10°	3906	3936	3949
15°	3868	3912	3931
20°	3821	3879	3912
25°	3760	3833	3880
30°	3695	3794	3857
35°	3616	3735	3832
40°	3549	3684	3819
45°	3439	3629	3827
50°	3357	3594	3841
55°	3241	3559	3857
60°	3096	3523	3889
65°	2971	3491	3923
70°	2763	3421	3991
75°	2449	3344	4073
80°	2070	3124	3685
85°	1468	2165	2097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	3.3
10°-20°	375.0	9.4
20°-30°	563.5	14.1
30°-40°	674.2	16.9
40°-50°	699.1	17.5
50°-60°	642.9	16.1
60°-70°	510.3	12.8
70°-80°	315.2	7.9
80°-90°	78.3	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°	1070.1	26.8
0°-40°	1744.3	43.7
0°-60°	3086.3	77.3
0°-90°	3990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1377	1381	1385	1390	1390	131
15°	1317	1321	1332	1338	1338	371
25°	1201	1209	1224	1237	1239	553
35°	1044	1055	1078	1100	1106	653
45°	857	872	904	941	954	662
55°	655	672	720	769	780	586
65°	442	462	520	569	584	438
75°	223	254	305	352	372	239
85°	45	58	66	66	64	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1392.0	1392.0	1392.0	1392.0	1392.0
2.5°	1383.3	1385.4	1392.0	1394.1	1394.1
5°	1377.0	1381.2	1385.4	1389.9	1389.9
7.5°	1368.3	1372.7	1379.1	1381.2	1381.2
10°	1355.6	1359.8	1366.2	1370.4	1370.4
12.5°	1336.1	1342.6	1351.1	1355.6	1355.6
15°	1316.8	1321.0	1331.8	1338.2	1338.2
17.5°	1293.3	1297.5	1308.3	1316.8	1318.9
20°	1265.3	1269.5	1284.6	1293.3	1295.4
22.5°	1233.1	1239.4	1256.6	1265.3	1267.4
25°	1200.8	1209.3	1224.4	1237.3	1239.4
27.5°	1166.5	1175.0	1190.0	1207.2	1211.4
30°	1127.7	1136.4	1157.8	1172.9	1177.1
32.5°	1087.0	1097.6	1119.3	1138.5	1142.8
35°	1044.0	1054.8	1078.3	1099.8	1106.3
37.5°	996.7	1011.8	1037.4	1061.2	1069.7
40°	958.0	966.7	994.6	1022.6	1031.1
42.5°	906.5	919.4	949.5	981.7	994.6
45°	857.1	872.1	904.3	940.8	953.7
47.5°	807.7	822.7	859.2	898.0	910.7
50°	760.4	773.4	814.1	857.1	870.0
52.5°	711.1	724.0	766.8	814.1	827.0
55°	655.1	672.3	719.5	769.1	779.7
57.5°	603.6	620.8	670.2	717.4	736.7
60°	545.5	567.1	620.8	668.0	685.2
62.5°	496.1	513.3	573.5	620.8	635.8
65°	442.5	461.8	519.9	569.3	584.3
67.5°	391.0	410.3	466.1	515.6	534.9
70°	333.0	354.4	412.4	461.8	481.1
72.5°	279.3	305.0	356.5	408.2	429.6
75°	223.4	253.5	305.0	352.2	371.5
77.5°	174.0	199.9	249.2	281.5	292.1
80°	126.7	152.6	191.2	212.6	225.5
82.5°	85.8	100.9	131.0	146.0	146.0
85°	45.1	58.1	66.5	66.5	64.4
87.5°	15.0	17.2	12.9	6.4	4.2
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)