

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: P701593

Luminaire Tested: **RX-WO-39HB2750-UNV-22_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701593
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-39HB2750-UNV-22_3000K
Description: 2X2 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

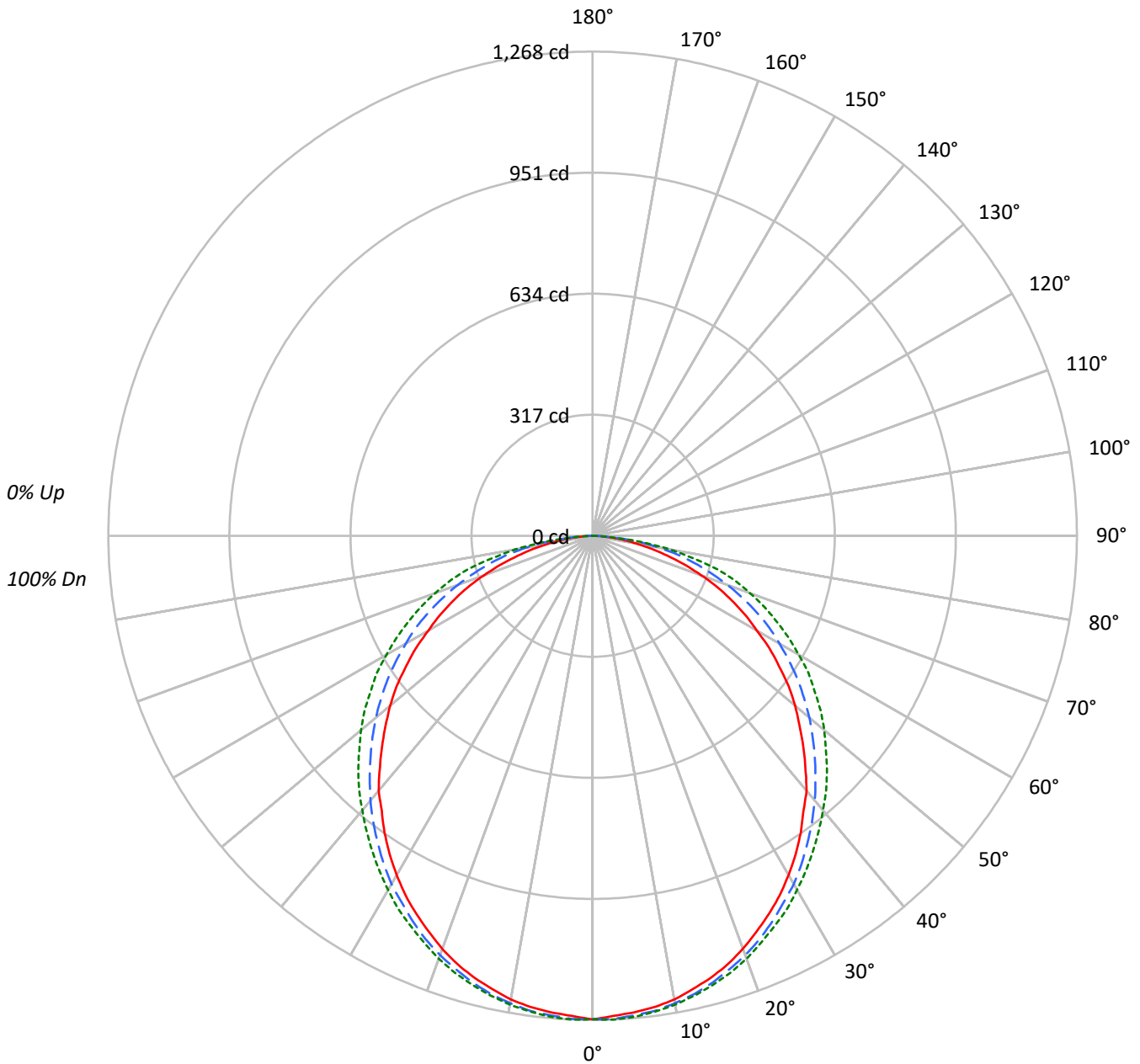
Lumens per Lamp: N/A
Luminaire Lumens: 3630.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
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: P701593

CATALOG NUMBER: RX-WO-39HB2750-UNV-22_3000K

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°	3593	3593	3593
5°	3568	3590	3602
10°	3554	3581	3592
15°	3519	3560	3576
20°	3476	3529	3559
25°	3420	3487	3530
30°	3362	3451	3509
35°	3290	3399	3487
40°	3228	3352	3475
45°	3129	3301	3482
50°	3054	3269	3494
55°	2948	3238	3509
60°	2817	3205	3538
65°	2703	3176	3569
70°	2513	3113	3631
75°	2228	3042	3706
80°	1884	2842	3353
85°	1338	1970	1908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	3.3
10°-20°	341.2	9.4
20°-30°	512.7	14.1
30°-40°	613.3	16.9
40°-50°	636.0	17.5
50°-60°	584.9	16.1
60°-70°	464.2	12.8
70°-80°	286.7	7.9
80°-90°	71.2	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°	973.6	26.8
0°-40°	1586.9	43.7
0°-60°	2807.8	77.3
0°-90°	3630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1253	1257	1260	1264	1264	119
15°	1198	1202	1212	1217	1217	338
25°	1092	1100	1114	1126	1128	503
35°	950	960	981	1000	1006	594
45°	780	793	823	856	868	602
55°	596	612	655	700	709	533
65°	403	420	473	518	532	398
75°	203	231	278	320	338	217
85°	41	53	60	60	59	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1258.5	1260.4	1266.4	1268.3	1268.3
5°	1252.7	1256.6	1260.4	1264.5	1264.5
7.5°	1244.8	1248.9	1254.7	1256.6	1256.6
10°	1233.3	1237.1	1242.9	1246.8	1246.8
12.5°	1215.5	1221.5	1229.2	1233.3	1233.3
15°	1198.0	1201.8	1211.7	1217.4	1217.4
17.5°	1176.6	1180.4	1190.3	1198.0	1199.9
20°	1151.1	1155.0	1168.7	1176.6	1178.5
22.5°	1121.8	1127.6	1143.2	1151.1	1153.0
25°	1092.5	1100.2	1113.9	1125.7	1127.6
27.5°	1061.3	1069.0	1082.7	1098.3	1102.1
30°	1026.0	1033.9	1053.4	1067.0	1070.9
32.5°	989.0	998.6	1018.3	1035.8	1039.7
35°	949.8	959.6	981.1	1000.5	1006.5
37.5°	906.8	920.5	943.8	965.4	973.1
40°	871.5	879.4	904.9	930.3	938.1
42.5°	824.7	836.4	863.8	893.1	904.9
45°	779.8	793.4	822.7	855.9	867.7
47.5°	734.8	748.5	781.7	817.0	828.5
50°	691.8	703.6	740.6	779.8	791.5
52.5°	646.9	658.7	697.6	740.6	752.4
55°	596.0	611.6	654.6	699.7	709.4
57.5°	549.1	564.8	609.7	652.7	670.2
60°	496.3	516.0	564.8	607.8	623.4
62.5°	451.4	467.0	521.8	564.8	578.5
65°	402.6	420.1	473.0	517.9	531.6
67.5°	355.7	373.3	424.0	469.1	486.7
70°	302.9	322.4	375.2	420.1	437.7
72.5°	254.1	277.5	324.3	371.4	390.8
75°	203.2	230.6	277.5	320.5	338.0
77.5°	158.3	181.8	226.8	256.1	265.7
80°	115.3	138.8	173.9	193.4	205.2
82.5°	78.1	91.8	119.2	132.9	132.9
85°	41.1	52.8	60.5	60.5	58.6
87.5°	13.7	15.6	11.8	5.8	3.9
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)