

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: P701595

Luminaire Tested: **RX-WO-39HB2750-UNV-22_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701595
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_4000K
Description: 2X2 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

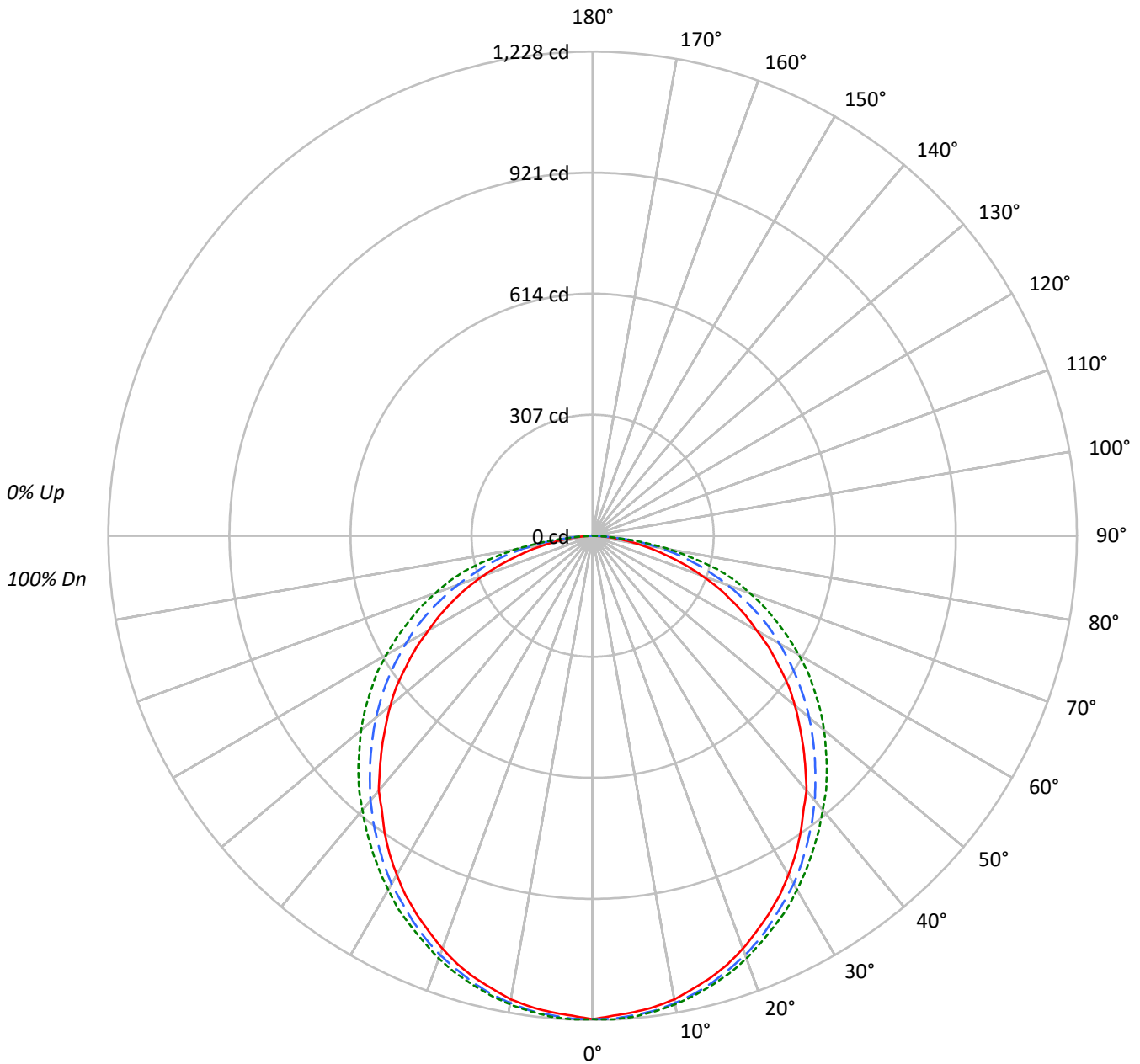
Lumens per Lamp: N/A
Luminaire Lumens: 3514.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	3479	3479	3479
5°	3454	3476	3487
10°	3440	3467	3477
15°	3407	3446	3462
20°	3365	3416	3445
25°	3311	3376	3418
30°	3254	3341	3397
35°	3185	3290	3375
40°	3125	3245	3364
45°	3029	3196	3370
50°	2956	3165	3382
55°	2854	3135	3397
60°	2727	3103	3425
65°	2617	3074	3455
70°	2433	3013	3515
75°	2156	2945	3587
80°	1824	2752	3245
85°	1296	1908	1846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.3
10°-20°	330.3	9.4
20°-30°	496.3	14.1
30°-40°	593.7	16.9
40°-50°	615.7	17.5
50°-60°	566.2	16.1
60°-70°	449.4	12.8
70°-80°	277.6	7.9
80°-90°	69.0	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°	942.4	26.8
0°-40°	1536.2	43.7
0°-60°	2718.1	77.3
0°-90°	3514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1213	1216	1220	1224	1224	115
15°	1160	1163	1173	1178	1178	327
25°	1058	1065	1078	1090	1092	487
35°	920	929	950	969	974	575
45°	755	768	796	829	840	583
55°	577	592	634	677	687	516
65°	390	407	458	501	515	385
75°	197	223	269	310	327	210
85°	40	51	59	59	57	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.0	1226.0	1226.0	1226.0	1226.0
2.5°	1218.3	1220.2	1226.0	1227.8	1227.8
5°	1212.7	1216.4	1220.2	1224.1	1224.1
7.5°	1205.0	1209.0	1214.6	1216.4	1216.4
10°	1193.8	1197.6	1203.2	1206.9	1206.9
12.5°	1176.7	1182.5	1189.9	1193.8	1193.8
15°	1159.7	1163.4	1172.9	1178.5	1178.5
17.5°	1139.0	1142.7	1152.2	1159.7	1161.6
20°	1114.3	1118.1	1131.3	1139.0	1140.8
22.5°	1086.0	1091.6	1106.7	1114.3	1116.2
25°	1057.6	1065.1	1078.3	1089.7	1091.6
27.5°	1027.4	1034.8	1048.1	1063.2	1066.9
30°	993.2	1000.8	1019.7	1032.9	1036.7
32.5°	957.4	966.7	985.7	1002.7	1006.4
35°	919.5	929.0	949.7	968.6	974.3
37.5°	877.8	891.1	913.7	934.6	942.0
40°	843.7	851.3	876.0	900.6	908.1
42.5°	798.3	809.7	836.2	864.6	876.0
45°	754.8	768.1	796.5	828.6	839.9
47.5°	711.3	724.6	756.7	790.9	802.1
50°	669.7	681.1	716.9	754.8	766.2
52.5°	626.2	637.6	675.3	716.9	728.3
55°	577.0	592.1	633.7	677.4	686.7
57.5°	531.6	546.7	590.2	631.8	648.8
60°	480.5	499.5	546.7	588.3	603.5
62.5°	437.0	452.1	505.1	546.7	560.0
65°	389.7	406.7	457.9	501.4	514.6
67.5°	344.4	361.4	410.5	454.1	471.1
70°	293.2	312.1	363.2	406.7	423.7
72.5°	246.0	268.6	314.0	359.5	378.4
75°	196.7	223.2	268.6	310.2	327.2
77.5°	153.2	176.0	219.5	247.9	257.2
80°	111.6	134.4	168.4	187.2	198.6
82.5°	75.6	88.8	115.4	128.6	128.6
85°	39.8	51.1	58.6	58.6	56.7
87.5°	13.3	15.1	11.4	5.6	3.7
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)