

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: P701588

Luminaire Tested: **RX-WO-34HB2750-UNV-22_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701588
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-34HB2750-UNV-22_3000K
Description: 2X2 3400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

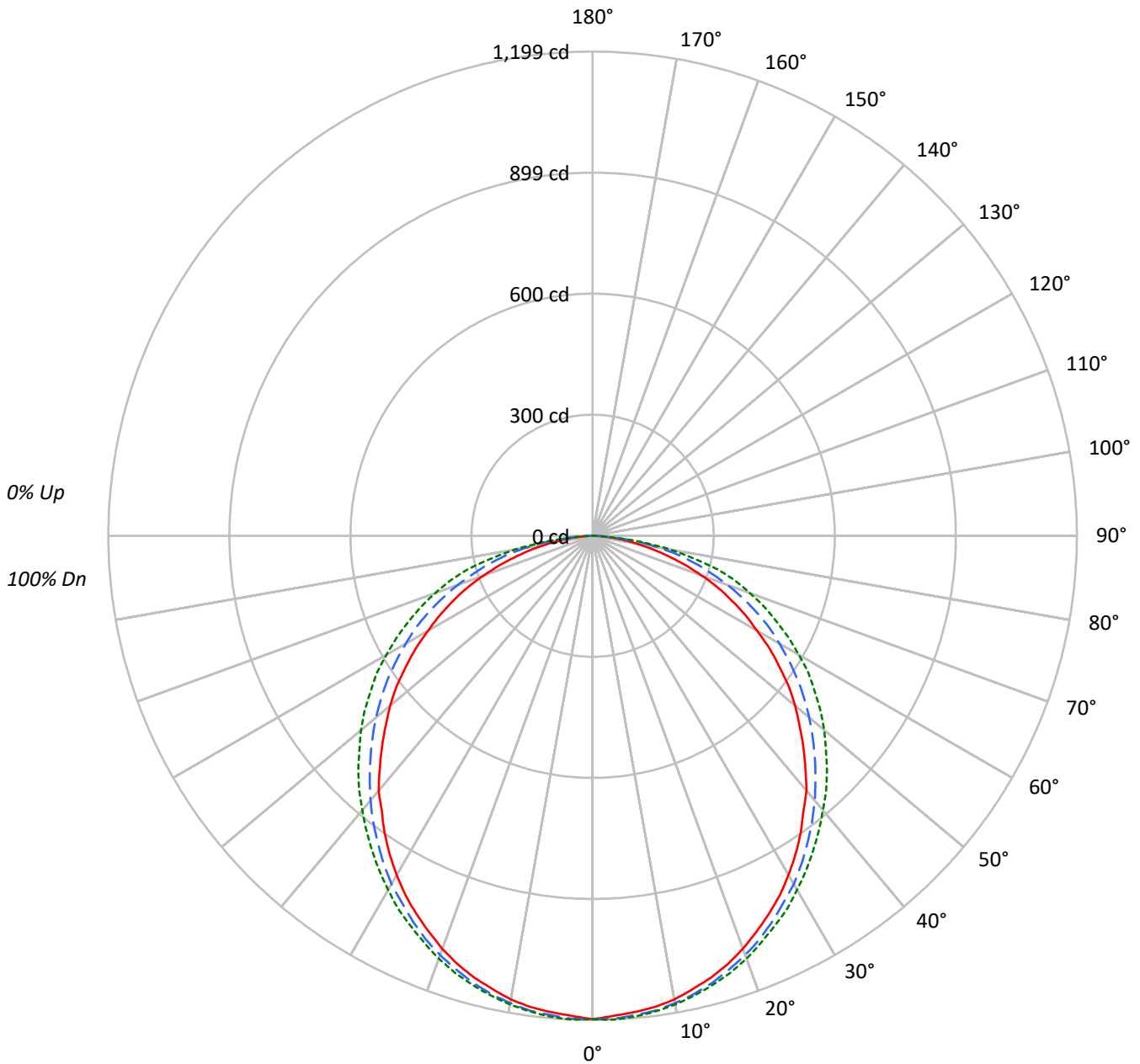
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3432.0 lumens
Efficiency: N/A
Efficacy: 114.4 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): 30
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°	3397	3397	3397
5°	3374	3394	3405
10°	3360	3386	3396
15°	3327	3365	3381
20°	3286	3336	3364
25°	3234	3297	3338
30°	3178	3263	3317
35°	3111	3213	3296
40°	3052	3169	3285
45°	2958	3122	3292
50°	2887	3091	3303
55°	2788	3062	3318
60°	2663	3030	3345
65°	2555	3003	3375
70°	2376	2944	3433
75°	2106	2876	3504
80°	1781	2686	3170
85°	1263	1862	1804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	3.3
10°-20°	322.6	9.4
20°-30°	484.7	14.1
30°-40°	579.9	16.9
40°-50°	601.3	17.5
50°-60°	553.0	16.1
60°-70°	438.9	12.8
70°-80°	271.1	7.9
80°-90°	67.3	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°	920.4	26.8
0°-40°	1500.3	43.7
0°-60°	2654.6	77.4
0°-90°	3432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1197	1197	1197	1197	1197	
5°	1184	1188	1192	1196	1196	113
15°	1133	1136	1146	1151	1151	319
25°	1033	1040	1053	1064	1066	476
35°	898	907	928	946	952	562
45°	737	750	778	809	820	569
55°	564	578	619	662	671	504
65°	381	397	447	490	503	376
75°	192	218	262	303	320	206
85°	39	50	57	57	55	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.3	1197.3	1197.3	1197.3	1197.3
2.5°	1189.9	1191.7	1197.3	1199.2	1199.2
5°	1184.4	1188.0	1191.7	1195.5	1195.5
7.5°	1176.9	1180.8	1186.2	1188.0	1188.0
10°	1166.0	1169.6	1175.1	1178.7	1178.7
12.5°	1149.2	1154.9	1162.2	1166.0	1166.0
15°	1132.6	1136.3	1145.6	1151.0	1151.0
17.5°	1112.4	1116.0	1125.3	1132.6	1134.4
20°	1088.3	1092.0	1104.9	1112.4	1114.2
22.5°	1060.6	1066.1	1080.9	1088.3	1090.2
25°	1032.9	1040.2	1053.1	1064.3	1066.1
27.5°	1003.4	1010.7	1023.6	1038.4	1042.0
30°	970.0	977.5	995.9	1008.8	1012.5
32.5°	935.0	944.1	962.7	979.3	983.0
35°	898.0	907.3	927.5	946.0	951.6
37.5°	857.4	870.3	892.4	912.8	920.1
40°	824.0	831.5	855.5	879.6	886.9
42.5°	779.7	790.8	816.7	844.4	855.5
45°	737.2	750.2	777.9	809.2	820.3
47.5°	694.7	707.7	739.0	772.4	783.3
50°	654.1	665.2	700.2	737.2	748.3
52.5°	611.6	622.7	659.6	700.2	711.3
55°	563.5	578.3	618.9	661.6	670.7
57.5°	519.2	534.0	576.4	617.1	633.7
60°	469.2	487.8	534.0	574.6	589.4
62.5°	426.8	441.5	493.3	534.0	546.9
65°	380.6	397.2	447.2	489.7	502.6
67.5°	336.3	352.9	400.9	443.5	460.1
70°	286.4	304.8	354.8	397.2	413.8
72.5°	240.3	262.3	306.6	351.1	369.5
75°	192.1	218.0	262.3	303.0	319.6
77.5°	149.7	171.9	214.4	242.1	251.2
80°	109.0	131.3	164.4	182.8	194.0
82.5°	73.8	86.8	112.7	125.6	125.6
85°	38.8	50.0	57.2	57.2	55.4
87.5°	12.9	14.8	11.1	5.5	3.6
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)