

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: P701589

Luminaire Tested: **RX-WO-34HB2750-UNV-22_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701589
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_3500K
Description: 2X2 3400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

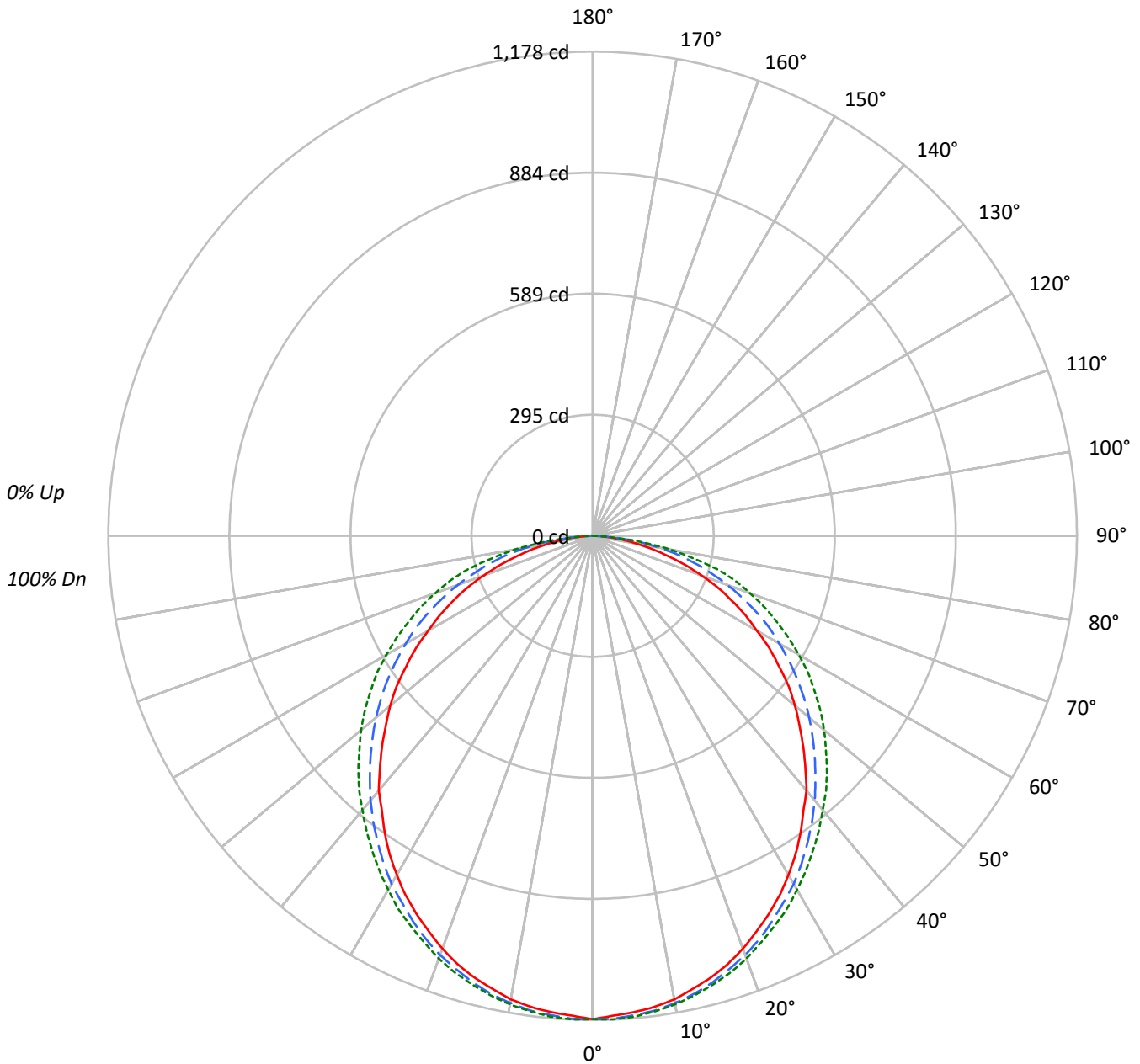
Lumens per Lamp: N/A
Luminaire Lumens: 3371.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P701589

CATALOG NUMBER: RX-WO-34HB2750-UNV-22_3500K

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°	3337	3337	3337
5°	3314	3334	3345
10°	3300	3326	3336
15°	3268	3305	3321
20°	3228	3277	3305
25°	3177	3239	3278
30°	3122	3205	3258
35°	3055	3156	3238
40°	2998	3113	3227
45°	2906	3066	3234
50°	2836	3036	3245
55°	2738	3007	3259
60°	2616	2977	3285
65°	2510	2949	3315
70°	2334	2890	3372
75°	2069	2825	3441
80°	1750	2639	3113
85°	1240	1830	1771



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	3.3
10°-20°	316.8	9.4
20°-30°	476.1	14.1
30°-40°	569.6	16.9
40°-50°	590.6	17.5
50°-60°	543.2	16.1
60°-70°	431.1	12.8
70°-80°	266.3	7.9
80°-90°	66.1	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°	904.1	26.8
0°-40°	1473.7	43.7
0°-60°	2607.5	77.3
0°-90°	3371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3371.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1163	1167	1170	1174	1174	111
15°	1112	1116	1125	1131	1131	314
25°	1015	1022	1034	1045	1047	467
35°	882	891	911	929	935	552
45°	724	737	764	795	806	559
55°	554	568	608	650	659	495
65°	374	390	439	481	494	370
75°	189	214	258	298	314	202
85°	38	49	56	56	54	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1176.1	1176.1	1176.1	1176.1	1176.1
2.5°	1168.7	1170.5	1176.1	1177.9	1177.9
5°	1163.3	1166.9	1170.5	1174.3	1174.3
7.5°	1156.0	1159.8	1165.1	1166.9	1166.9
10°	1145.3	1148.8	1154.2	1157.8	1157.8
12.5°	1128.8	1134.3	1141.5	1145.3	1145.3
15°	1112.5	1116.1	1125.2	1130.6	1130.6
17.5°	1092.6	1096.2	1105.3	1112.5	1114.3
20°	1069.0	1072.6	1085.3	1092.6	1094.4
22.5°	1041.8	1047.1	1061.6	1069.0	1070.8
25°	1014.6	1021.7	1034.4	1045.3	1047.1
27.5°	985.5	992.7	1005.4	1019.9	1023.5
30°	952.8	960.1	978.2	990.9	994.5
32.5°	918.4	927.3	945.6	961.9	965.5
35°	882.0	891.2	911.1	929.1	934.7
37.5°	842.1	854.8	876.5	896.6	903.7
40°	809.3	816.7	840.3	864.0	871.1
42.5°	765.8	776.8	802.2	829.4	840.3
45°	724.1	736.8	764.0	794.8	805.8
47.5°	682.4	695.1	725.9	758.7	769.4
50°	642.5	653.4	687.8	724.1	735.0
52.5°	600.7	611.7	647.8	687.8	698.7
55°	553.5	568.0	607.9	649.8	658.8
57.5°	510.0	524.5	566.2	606.1	622.4
60°	460.9	479.2	524.5	564.4	578.9
62.5°	419.2	433.7	484.5	524.5	537.2
65°	373.9	390.2	439.2	481.0	493.7
67.5°	330.4	346.7	393.8	435.7	451.9
70°	281.3	299.4	348.4	390.2	406.5
72.5°	236.0	257.7	301.2	344.9	363.0
75°	188.7	214.2	257.7	297.6	313.9
77.5°	147.0	168.9	210.6	237.8	246.7
80°	107.1	128.9	161.5	179.6	190.5
82.5°	72.5	85.2	110.7	123.4	123.4
85°	38.1	49.1	56.2	56.2	54.4
87.5°	12.7	14.5	10.9	5.4	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)