

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: P701591

Luminaire Tested: **RX-WO-34HB2750-UNV-22_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701591
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_5000K
Description: 2X2 3400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

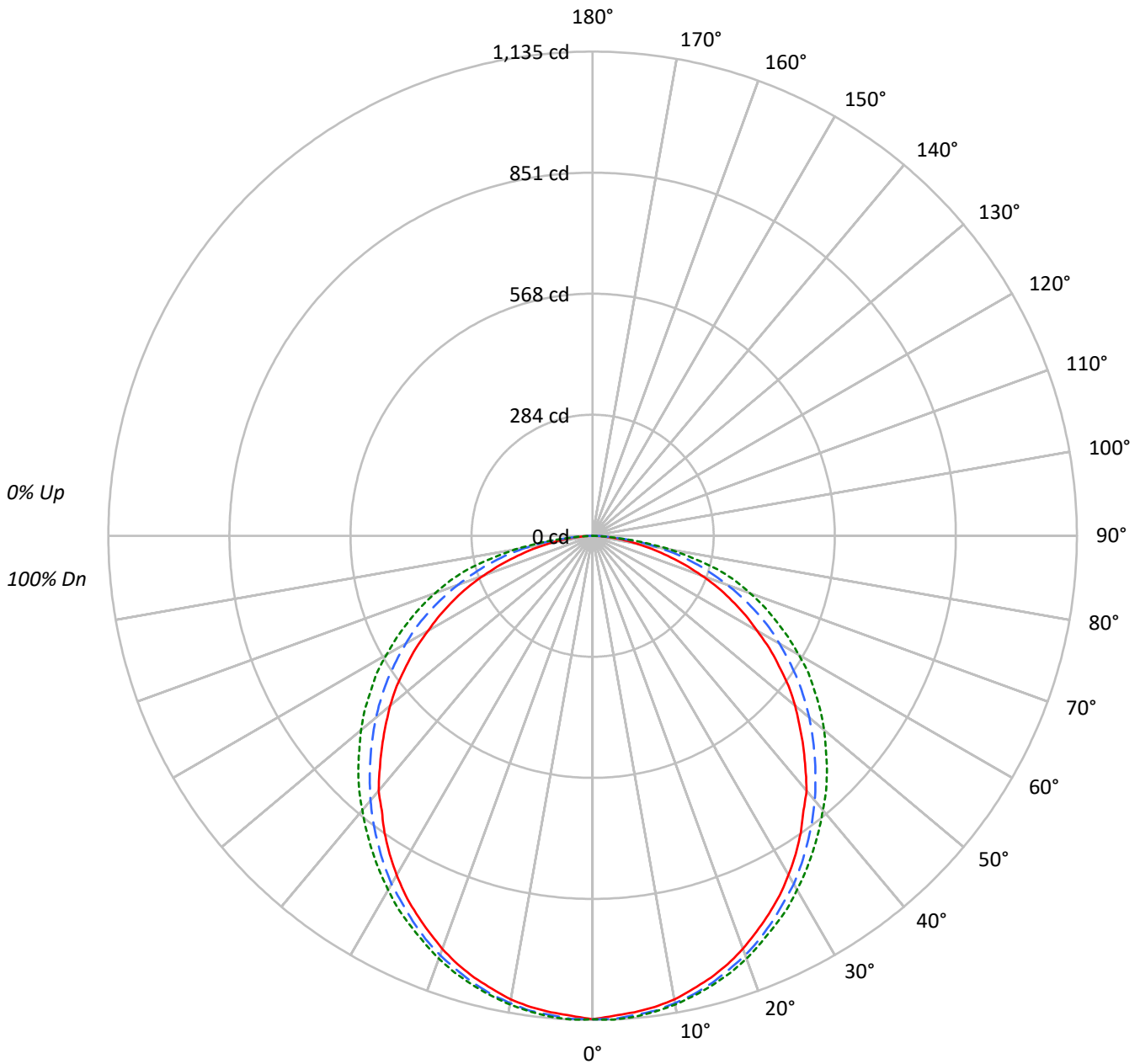
Lumens per Lamp: N/A
Luminaire Lumens: 3249.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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									
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°	3216	3216	3216
5°	3194	3213	3224
10°	3180	3205	3215
15°	3150	3186	3201
20°	3111	3159	3185
25°	3061	3121	3160
30°	3009	3089	3141
35°	2945	3042	3121
40°	2890	3000	3110
45°	2801	2955	3116
50°	2733	2926	3127
55°	2639	2899	3141
60°	2521	2869	3166
65°	2419	2842	3195
70°	2249	2786	3251
75°	1994	2722	3316
80°	1686	2544	3000
85°	1198	1765	1709



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	3.3
10°-20°	305.4	9.4
20°-30°	458.8	14.1
30°-40°	549.0	16.9
40°-50°	569.2	17.5
50°-60°	523.5	16.1
60°-70°	415.5	12.8
70°-80°	256.6	7.9
80°-90°	63.8	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°	871.4	26.8
0°-40°	1420.3	43.7
0°-60°	2513.1	77.3
0°-90°	3249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1121	1125	1128	1132	1132	107
15°	1072	1076	1084	1090	1090	302
25°	978	985	997	1008	1009	451
35°	850	859	878	896	901	532
45°	698	710	736	766	777	539
55°	533	547	586	626	635	477
65°	360	376	423	464	476	356
75°	182	206	248	287	302	195
85°	37	47	54	54	52	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.5	1133.5	1133.5	1133.5	1133.5
2.5°	1126.4	1128.1	1133.5	1135.2	1135.2
5°	1121.2	1124.7	1128.1	1131.8	1131.8
7.5°	1114.2	1117.8	1123.0	1124.7	1124.7
10°	1103.8	1107.3	1112.4	1115.9	1115.9
12.5°	1087.9	1093.3	1100.2	1103.8	1103.8
15°	1072.2	1075.7	1084.5	1089.7	1089.7
17.5°	1053.1	1056.5	1065.3	1072.2	1074.0
20°	1030.3	1033.7	1046.0	1053.1	1054.8
22.5°	1004.1	1009.2	1023.2	1030.3	1032.0
25°	977.8	984.7	997.0	1007.5	1009.2
27.5°	949.9	956.8	969.0	983.0	986.5
30°	918.3	925.4	942.8	955.1	958.5
32.5°	885.2	893.8	911.4	927.1	930.5
35°	850.1	858.9	878.1	895.5	900.9
37.5°	811.6	823.9	844.8	864.1	871.0
40°	780.1	787.1	809.9	832.7	839.6
42.5°	738.1	748.6	773.2	799.4	809.9
45°	697.9	710.2	736.4	766.1	776.6
47.5°	657.7	670.0	699.6	731.2	741.6
50°	619.2	629.7	662.9	697.9	708.4
52.5°	579.0	589.5	624.4	662.9	673.4
55°	533.4	547.4	585.9	626.3	634.9
57.5°	491.5	505.5	545.7	584.2	599.9
60°	444.2	461.8	505.5	544.0	557.9
62.5°	404.0	418.0	467.0	505.5	517.7
65°	360.3	376.0	423.3	463.5	475.8
67.5°	318.4	334.1	379.5	419.9	435.6
70°	271.1	288.6	335.8	376.0	391.8
72.5°	227.5	248.3	290.3	332.4	349.8
75°	181.9	206.4	248.3	286.8	302.5
77.5°	141.7	162.7	203.0	229.2	237.8
80°	103.2	124.3	155.7	173.1	183.6
82.5°	69.9	82.1	106.7	118.9	118.9
85°	36.8	47.3	54.2	54.2	52.5
87.5°	12.3	14.0	10.5	5.2	3.5
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)