

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: P701587

Luminaire Tested: **RX-WO-34HB2750-UNV-22_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701587
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_2700K
Description: 2X2 3400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

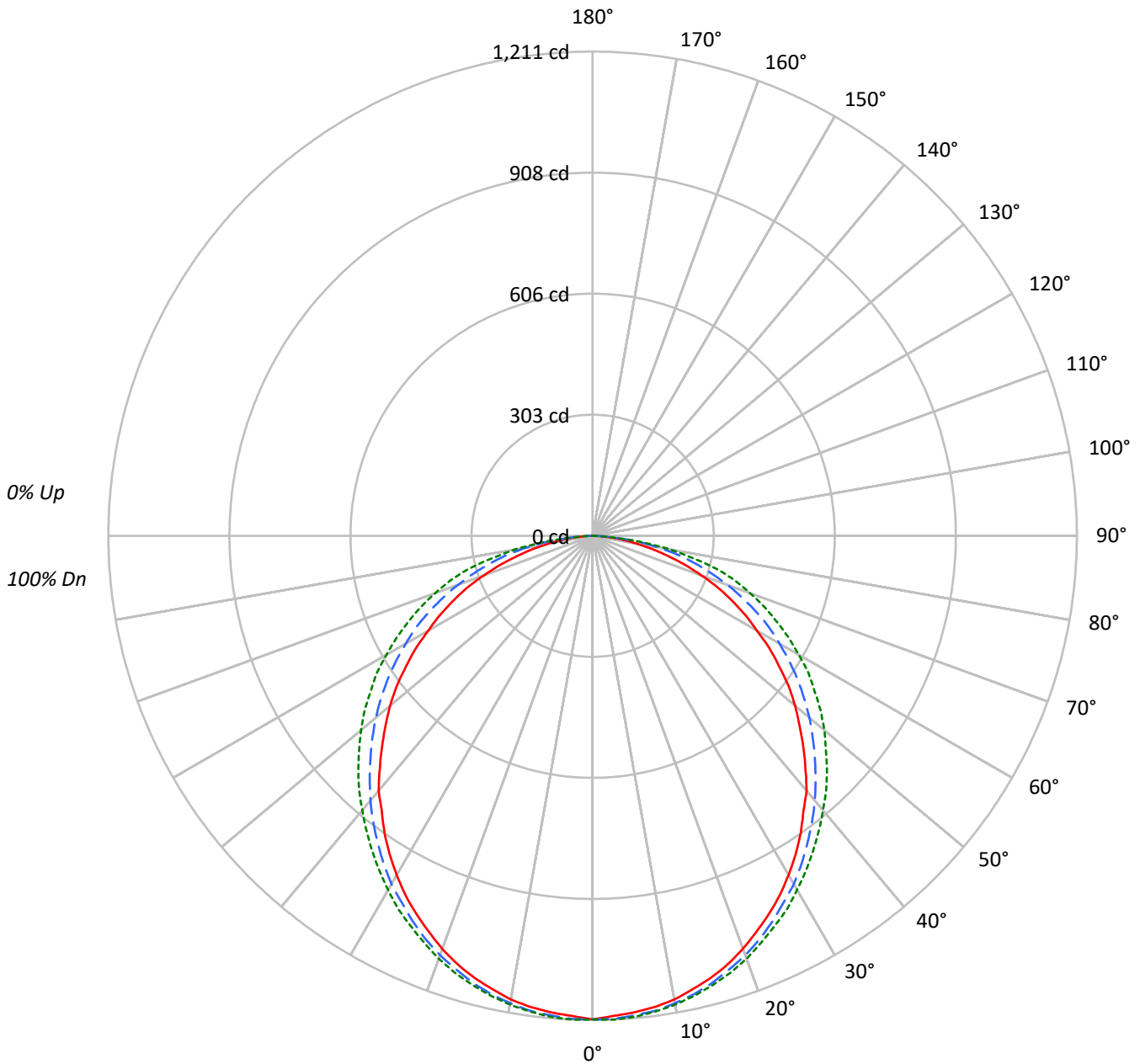
Lumens per Lamp: N/A
Luminaire Lumens: 3467.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	3432	3432	3432
5°	3408	3429	3440
10°	3394	3420	3431
15°	3361	3400	3416
20°	3320	3371	3399
25°	3267	3331	3372
30°	3211	3296	3351
35°	3143	3246	3330
40°	3083	3201	3319
45°	2988	3153	3325
50°	2917	3123	3337
55°	2816	3093	3352
60°	2690	3061	3379
65°	2582	3033	3409
70°	2400	2973	3468
75°	2128	2905	3539
80°	1799	2714	3201
85°	1276	1882	1823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	3.3
10°-20°	325.9	9.4
20°-30°	489.6	14.1
30°-40°	585.8	16.9
40°-50°	607.4	17.5
50°-60°	558.7	16.1
60°-70°	443.4	12.8
70°-80°	273.9	7.9
80°-90°	68.0	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°	929.8	26.8
0°-40°	1515.6	43.7
0°-60°	2681.7	77.3
0°-90°	3467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3467.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1196	1200	1204	1208	1208	114
15°	1144	1148	1157	1163	1163	323
25°	1043	1051	1064	1075	1077	481
35°	907	917	937	956	961	567
45°	745	758	786	818	829	575
55°	569	584	625	668	678	510
65°	384	401	452	495	508	380
75°	194	220	265	306	323	208
85°	39	50	58	58	56	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.6	1209.6	1209.6	1209.6	1209.6
2.5°	1202.0	1203.8	1209.6	1211.4	1211.4
5°	1196.5	1200.2	1203.8	1207.7	1207.7
7.5°	1188.9	1192.8	1198.3	1200.2	1200.2
10°	1177.9	1181.6	1187.1	1190.8	1190.8
12.5°	1160.9	1166.6	1174.0	1177.9	1177.9
15°	1144.2	1147.9	1157.3	1162.8	1162.8
17.5°	1123.7	1127.4	1136.8	1144.2	1146.0
20°	1099.4	1103.1	1116.2	1123.7	1125.6
22.5°	1071.4	1077.0	1091.9	1099.4	1101.3
25°	1043.4	1050.8	1063.9	1075.1	1077.0
27.5°	1013.6	1021.0	1034.1	1049.0	1052.7
30°	979.9	987.5	1006.1	1019.1	1022.8
32.5°	944.5	953.8	972.5	989.3	993.0
35°	907.2	916.6	937.0	955.6	961.3
37.5°	866.1	879.2	901.5	922.1	929.4
40°	832.4	839.9	864.3	888.6	895.9
42.5°	787.6	798.9	825.0	853.0	864.3
45°	744.7	757.8	785.8	817.5	828.7
47.5°	701.8	714.9	746.6	780.3	791.3
50°	660.8	672.0	707.4	744.7	756.0
52.5°	617.9	629.1	666.3	707.4	718.6
55°	569.2	584.2	625.2	668.3	677.5
57.5°	524.5	539.4	582.3	623.4	640.1
60°	474.0	492.8	539.4	580.5	595.4
62.5°	431.1	446.0	498.3	539.4	552.5
65°	384.5	401.3	451.7	494.7	507.7
67.5°	339.8	356.5	405.0	448.1	464.8
70°	289.3	307.9	358.4	401.3	418.0
72.5°	242.7	265.0	309.8	354.7	373.3
75°	194.1	220.3	265.0	306.1	322.8
77.5°	151.2	173.7	216.6	244.6	253.8
80°	110.1	132.6	166.1	184.7	195.9
82.5°	74.6	87.7	113.8	126.9	126.9
85°	39.2	50.5	57.8	57.8	56.0
87.5°	13.1	14.9	11.2	5.5	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)