

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: P701590

Luminaire Tested: **RX-WO-34HB2750-UNV-22_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701590
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_4000K
Description: 2X2 3400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

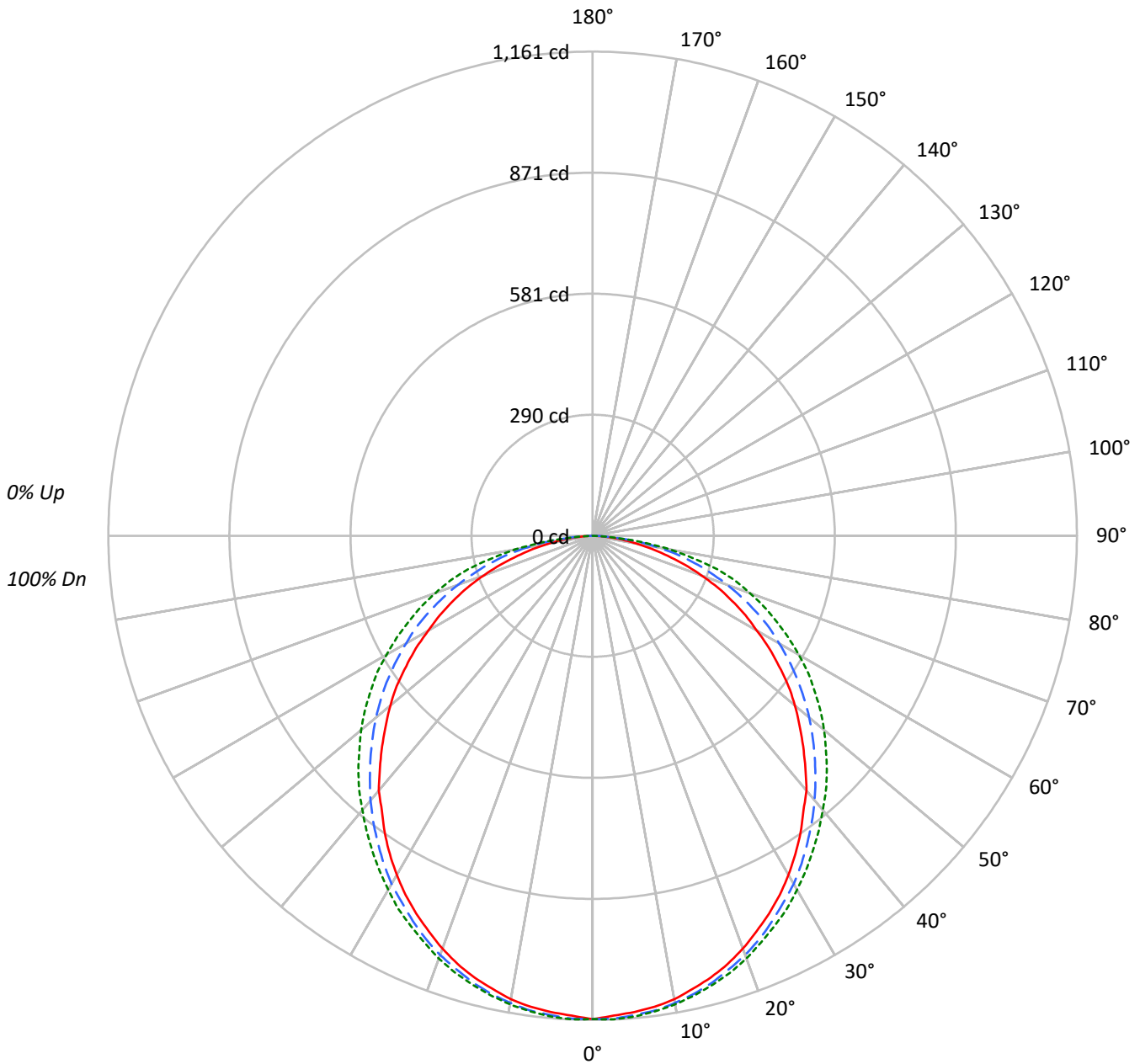
Lumens per Lamp: N/A
Luminaire Lumens: 3322.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	3289	3289	3289
5°	3265	3286	3296
10°	3252	3277	3288
15°	3221	3258	3273
20°	3181	3230	3257
25°	3130	3192	3231
30°	3076	3159	3211
35°	3011	3110	3191
40°	2954	3067	3180
45°	2864	3021	3187
50°	2795	2992	3198
55°	2698	2964	3212
60°	2578	2933	3238
65°	2474	2906	3266
70°	2300	2849	3324
75°	2039	2784	3391
80°	1724	2601	3067
85°	1224	1804	1745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	3.3
10°-20°	312.2	9.4
20°-30°	469.2	14.1
30°-40°	561.3	16.9
40°-50°	582.0	17.5
50°-60°	535.3	16.1
60°-70°	424.8	12.8
70°-80°	262.4	7.9
80°-90°	65.2	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°	890.9	26.8
0°-40°	1452.2	43.7
0°-60°	2569.6	77.3
0°-90°	3322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1146	1150	1154	1157	1157	109
15°	1096	1100	1109	1114	1114	309
25°	1000	1007	1019	1030	1032	461
35°	869	878	898	916	921	544
45°	714	726	753	783	794	551
55°	545	560	599	640	649	488
65°	368	384	433	474	486	364
75°	186	211	254	293	309	199
85°	38	48	55	55	54	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.0	1159.0	1159.0	1159.0	1159.0
2.5°	1151.7	1153.5	1159.0	1160.7	1160.7
5°	1146.4	1150.0	1153.5	1157.2	1157.2
7.5°	1139.2	1142.9	1148.2	1150.0	1150.0
10°	1128.6	1132.1	1137.4	1141.0	1141.0
12.5°	1112.4	1117.9	1124.9	1128.6	1128.6
15°	1096.3	1099.9	1108.9	1114.1	1114.1
17.5°	1076.7	1080.3	1089.3	1096.3	1098.1
20°	1053.4	1057.0	1069.5	1076.7	1078.5
22.5°	1026.6	1031.9	1046.2	1053.4	1055.2
25°	999.8	1006.9	1019.4	1030.2	1031.9
27.5°	971.2	978.3	990.8	1005.1	1008.6
30°	938.9	946.2	964.0	976.5	980.0
32.5°	905.0	913.9	931.9	947.9	951.5
35°	869.2	878.2	897.8	915.6	921.1
37.5°	829.9	842.4	863.8	883.5	890.6
40°	797.6	804.8	828.1	851.4	858.5
42.5°	754.7	765.5	790.5	817.3	828.1
45°	713.6	726.1	752.9	783.3	794.1
47.5°	672.5	685.0	715.4	747.6	758.2
50°	633.1	643.9	677.8	713.6	724.4
52.5°	592.0	602.8	638.4	677.8	688.5
55°	545.4	559.7	599.1	640.4	649.2
57.5°	502.5	516.8	558.0	597.3	613.4
60°	454.2	472.2	516.8	556.2	570.5
62.5°	413.1	427.4	477.5	516.8	529.4
65°	368.4	384.5	432.8	474.0	486.5
67.5°	325.6	341.6	388.0	429.3	445.4
70°	277.2	295.0	343.4	384.5	400.6
72.5°	232.6	253.9	296.8	339.9	357.7
75°	186.0	211.0	253.9	293.3	309.3
77.5°	144.9	166.4	207.5	234.3	243.2
80°	105.5	127.0	159.2	177.0	187.7
82.5°	71.5	84.0	109.1	121.6	121.6
85°	37.6	48.3	55.4	55.4	53.6
87.5°	12.5	14.3	10.8	5.3	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)