

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: P701651

Luminaire Tested: **RX-WO-35LB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-35LB2750-UNV-24_5000K
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

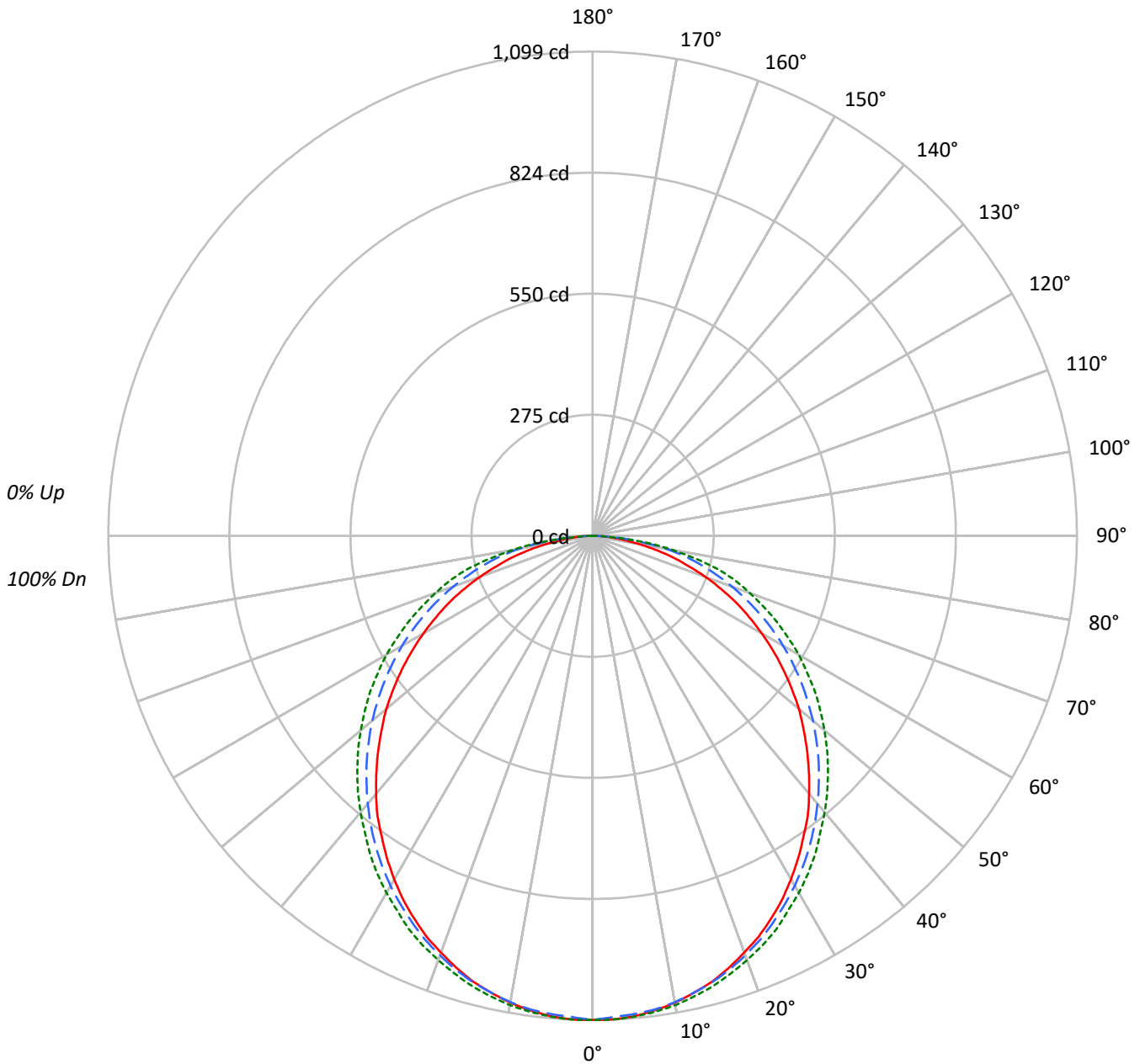
Lumens per Lamp: N/A
Luminaire Lumens: 3199.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68																			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57																			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	67	55	46	40	53	45	39	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1551	1551	1551
5°	1551	1544	1552
10°	1542	1541	1550
15°	1531	1532	1546
20°	1512	1522	1539
25°	1493	1509	1535
30°	1467	1495	1525
35°	1437	1480	1518
40°	1408	1463	1509
45°	1373	1448	1507
50°	1342	1432	1508
55°	1299	1420	1515
60°	1251	1409	1525
65°	1202	1396	1538
70°	1122	1386	1565
75°	1022	1389	1614
80°	845	1374	1486
85°	648	1091	1054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	3.2
10°-20°	296.7	9.3
20°-30°	447.6	14.0
30°-40°	537.4	16.8
40°-50°	558.9	17.5
50°-60°	514.0	16.1
60°-70°	409.6	12.8
70°-80°	259.6	8.1
80°-90°	71.4	2.2
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°	848.2	26.5
0°-40°	1385.6	43.3
0°-60°	2458.4	76.8
0°-90°	3199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1094	1094	1090	1096	1096	104
15°	1048	1048	1049	1057	1058	295
25°	958	963	969	982	986	441
35°	834	843	859	875	881	522
45°	688	703	725	748	755	531
55°	528	545	577	606	616	472
65°	360	378	418	450	460	355
75°	187	211	255	287	296	197
85°	40	57	67	66	65	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.0	1099.0	1099.0	1099.0	1099.0
2.5°	1099.0	1099.0	1093.3	1099.0	1099.0
5°	1094.5	1094.5	1089.9	1095.6	1095.6
7.5°	1086.5	1087.6	1084.2	1089.9	1089.9
10°	1076.2	1077.3	1075.0	1081.9	1081.9
12.5°	1062.5	1063.6	1062.5	1070.5	1070.5
15°	1047.6	1047.6	1048.8	1056.8	1057.9
17.5°	1028.2	1030.5	1032.8	1041.9	1041.9
20°	1006.5	1009.9	1013.3	1024.8	1024.8
22.5°	984.8	988.2	992.8	1004.2	1006.5
25°	958.5	963.1	968.8	982.5	985.9
27.5°	931.1	934.5	943.7	958.5	959.6
30°	900.2	906.0	917.4	932.2	935.7
32.5°	868.3	876.3	888.8	906.0	909.4
35°	834.0	843.1	859.1	875.1	880.8
37.5°	802.0	808.8	827.1	845.4	848.8
40°	764.3	774.6	794.0	814.6	819.1
42.5°	726.6	738.0	759.7	780.3	788.3
45°	687.7	702.6	725.4	748.3	755.2
47.5°	648.9	664.9	688.9	714.0	722.0
50°	611.2	626.1	652.3	678.6	686.6
52.5°	568.9	586.1	614.6	643.2	651.2
55°	527.8	544.9	576.9	605.5	615.8
57.5°	485.5	505.0	538.1	567.8	576.9
60°	443.3	463.8	499.2	528.9	540.4
62.5°	401.0	420.4	459.3	489.0	499.2
65°	359.9	378.1	418.1	450.1	460.4
67.5°	315.3	335.9	377.0	410.1	419.3
70°	271.9	292.5	335.9	370.2	379.3
72.5°	227.3	251.3	294.7	327.9	340.4
75°	187.4	211.4	254.8	286.8	295.9
77.5°	145.1	169.1	213.6	236.5	237.6
80°	104.0	131.4	169.1	178.2	182.8
82.5°	68.5	94.8	116.5	128.0	128.0
85°	40.0	57.1	67.4	66.3	65.1
87.5°	14.9	19.4	16.0	11.4	8.0
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)