

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: P701644

Luminaire Tested: **RX-WO-35HB2750-UNV-24_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701644
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-35HB2750-UNV-24_3500K
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

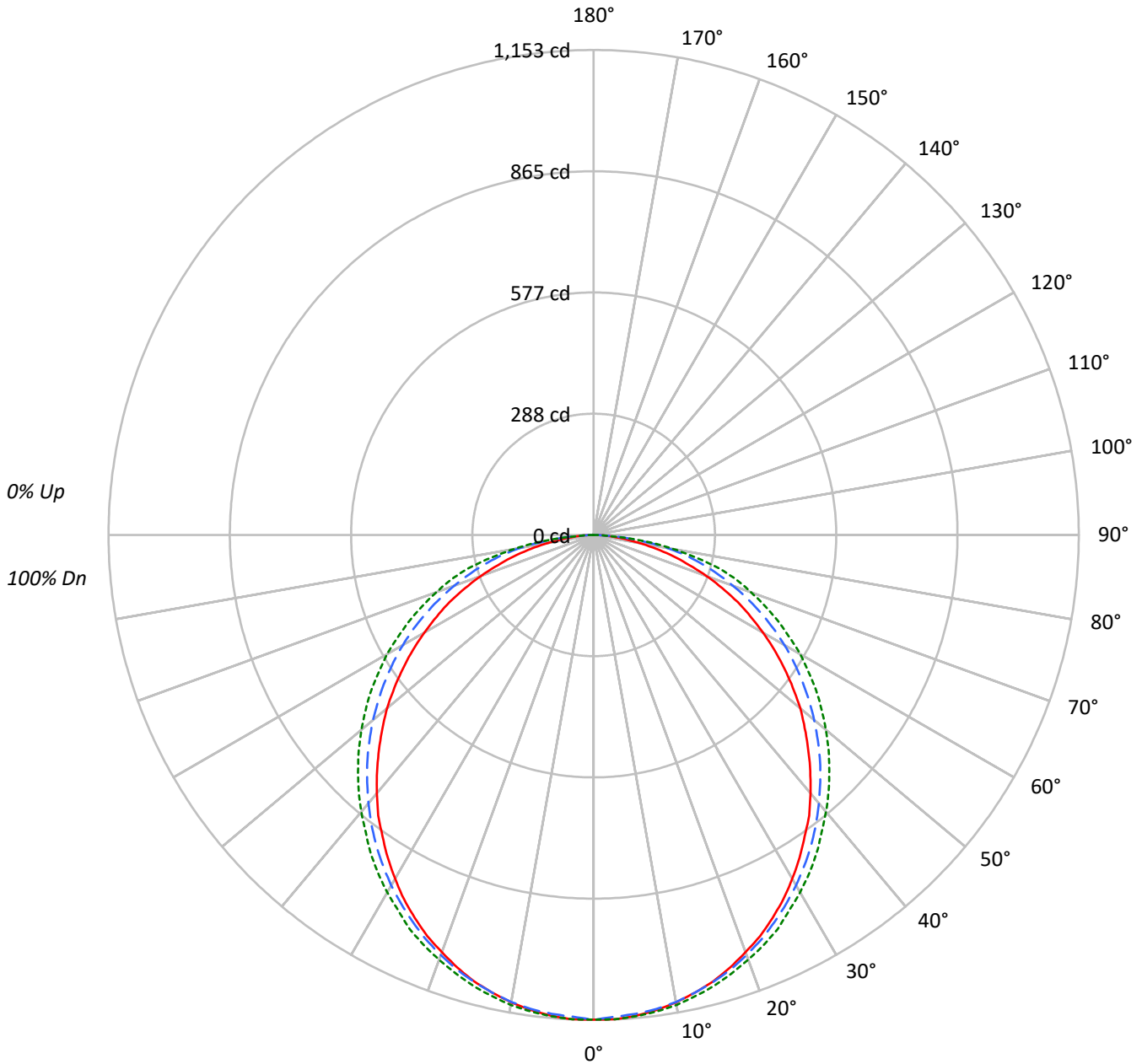
Lumens per Lamp: N/A
Luminaire Lumens: 3355.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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°	1627	1627	1627
5°	1626	1619	1628
10°	1618	1616	1626
15°	1605	1607	1621
20°	1585	1596	1614
25°	1565	1582	1610
30°	1539	1568	1599
35°	1507	1552	1592
40°	1477	1534	1583
45°	1440	1519	1581
50°	1407	1502	1581
55°	1362	1489	1589
60°	1312	1478	1600
65°	1260	1464	1613
70°	1177	1454	1642
75°	1072	1457	1692
80°	886	1441	1558
85°	678	1145	1106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	3.2
10°-20°	311.2	9.3
20°-30°	469.4	14.0
30°-40°	563.6	16.8
40°-50°	586.1	17.5
50°-60°	539.0	16.1
60°-70°	429.6	12.8
70°-80°	272.2	8.1
80°-90°	74.9	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°	889.6	26.5
0°-40°	1453.1	43.3
0°-60°	2578.3	76.8
0°-90°	3355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1153	1153	1153	1153	1153	
5°	1148	1148	1143	1149	1149	109
15°	1099	1099	1100	1108	1110	310
25°	1005	1010	1016	1030	1034	463
35°	875	884	901	918	924	548
45°	721	737	761	785	792	557
55°	554	572	605	635	646	495
65°	377	397	438	472	483	372
75°	196	222	267	301	310	207
85°	42	60	71	70	68	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1152.6	1152.6	1152.6	1152.6	1152.6
2.5°	1152.6	1152.6	1146.6	1152.6	1152.6
5°	1147.8	1147.8	1143.0	1149.0	1149.0
7.5°	1139.4	1140.6	1137.0	1143.0	1143.0
10°	1128.7	1129.9	1127.5	1134.6	1134.6
12.5°	1114.3	1115.5	1114.3	1122.7	1122.7
15°	1098.7	1098.7	1099.9	1108.3	1109.5
17.5°	1078.3	1080.7	1083.1	1092.7	1092.7
20°	1055.6	1059.2	1062.8	1074.7	1074.7
22.5°	1032.8	1036.4	1041.2	1053.2	1055.6
25°	1005.2	1010.0	1016.0	1030.4	1034.0
27.5°	976.5	980.1	989.7	1005.2	1006.4
30°	944.1	950.1	962.1	977.7	981.3
32.5°	910.6	919.0	932.2	950.1	953.7
35°	874.6	884.2	901.0	917.8	923.8
37.5°	841.1	848.3	867.5	886.6	890.2
40°	801.6	812.3	832.7	854.3	859.1
42.5°	762.0	774.0	796.8	818.3	826.7
45°	721.3	736.9	760.8	784.8	792.0
47.5°	680.5	697.3	722.5	748.8	757.2
50°	641.0	656.6	684.1	711.7	720.1
52.5°	596.7	614.7	644.6	674.6	682.9
55°	553.5	571.5	605.1	635.0	645.8
57.5°	509.2	529.6	564.3	595.5	605.1
60°	464.9	486.4	523.6	554.7	566.7
62.5°	420.6	440.9	481.7	512.8	523.6
65°	377.4	396.6	438.5	472.1	482.9
67.5°	330.7	352.3	395.4	430.1	439.7
70°	285.2	306.7	352.3	388.2	397.8
72.5°	238.4	263.6	309.1	343.9	357.0
75°	196.5	221.7	267.2	300.7	310.3
77.5°	152.2	177.3	224.1	248.0	249.2
80°	109.0	137.8	177.3	186.9	191.7
82.5°	71.9	99.4	122.2	134.2	134.2
85°	41.9	59.9	70.7	69.5	68.3
87.5°	15.6	20.4	16.8	12.0	8.4
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)