

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: P701646

Luminaire Tested: **RX-WO-35HB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701646
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_5000K
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

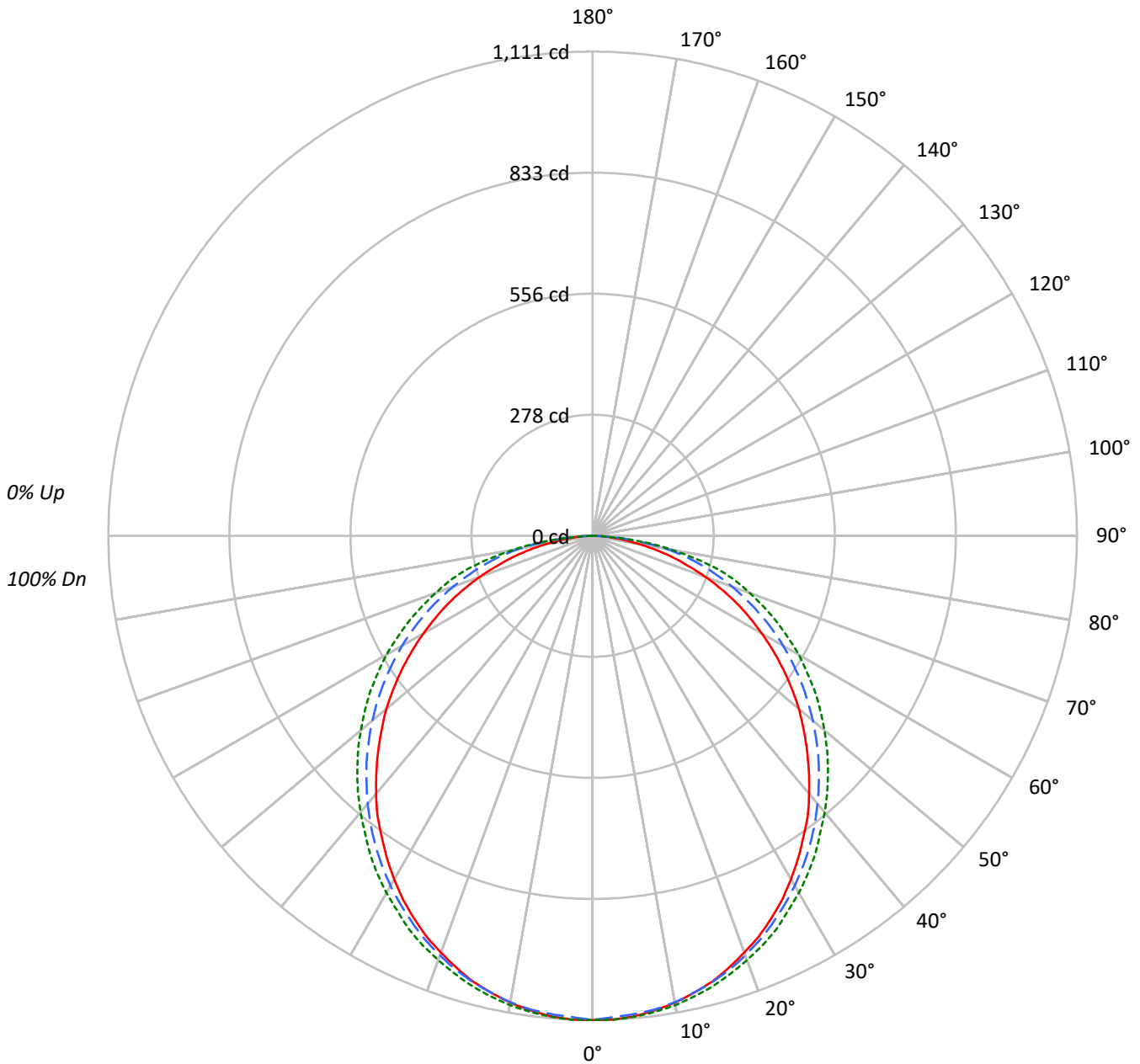
Lumens per Lamp: N/A
Luminaire Lumens: 3234.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): NR
Input Current (Ain): 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°	1568	1568	1568
5°	1567	1561	1569
10°	1559	1558	1567
15°	1547	1549	1563
20°	1528	1539	1556
25°	1509	1525	1552
30°	1483	1511	1542
35°	1453	1496	1534
40°	1424	1479	1526
45°	1388	1464	1524
50°	1357	1448	1524
55°	1313	1435	1532
60°	1265	1425	1542
65°	1215	1412	1554
70°	1134	1401	1582
75°	1033	1405	1631
80°	854	1389	1502
85°	654	1103	1066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	3.2
10°-20°	299.9	9.3
20°-30°	452.5	14.0
30°-40°	543.2	16.8
40°-50°	565.0	17.5
50°-60°	519.6	16.1
60°-70°	414.1	12.8
70°-80°	262.4	8.1
80°-90°	72.2	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°	857.5	26.5
0°-40°	1400.7	43.3
0°-60°	2485.3	76.8
0°-90°	3234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3234.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1111	1111	1111	1111	1111	
5°	1106	1106	1102	1108	1108	105
15°	1059	1059	1060	1068	1070	298
25°	969	974	979	993	997	446
35°	843	852	868	885	890	528
45°	695	710	733	756	763	537
55°	534	551	583	612	622	477
65°	364	382	423	455	465	359
75°	189	214	258	290	299	199
85°	40	58	68	67	66	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1111.1	1111.1	1111.1	1111.1	1111.1
2.5°	1111.1	1111.1	1105.3	1111.1	1111.1
5°	1106.4	1106.4	1101.8	1107.6	1107.6
7.5°	1098.3	1099.5	1096.0	1101.8	1101.8
10°	1088.0	1089.1	1086.8	1093.7	1093.7
12.5°	1074.1	1075.2	1074.1	1082.2	1082.2
15°	1059.1	1059.1	1060.2	1068.3	1069.5
17.5°	1039.4	1041.8	1044.1	1053.3	1053.3
20°	1017.5	1021.0	1024.4	1036.0	1036.0
22.5°	995.6	999.0	1003.6	1015.2	1017.5
25°	969.0	973.6	979.4	993.2	996.7
27.5°	941.3	944.7	954.0	969.0	970.1
30°	910.1	915.9	927.4	942.4	945.9
32.5°	877.8	885.8	898.5	915.9	919.3
35°	843.1	852.3	868.5	884.7	890.5
37.5°	810.8	817.7	836.2	854.7	858.1
40°	772.7	783.0	802.7	823.5	828.1
42.5°	734.5	746.1	768.0	788.8	796.9
45°	695.3	710.3	733.4	756.5	763.4
47.5°	656.0	672.2	696.4	721.8	729.9
50°	617.9	632.9	659.5	686.0	694.1
52.5°	575.2	592.5	621.4	650.2	658.3
55°	533.6	550.9	583.2	612.1	622.5
57.5°	490.8	510.5	544.0	574.0	583.2
60°	448.1	468.9	504.7	534.7	546.3
62.5°	405.4	425.0	464.3	494.3	504.7
65°	363.8	382.3	422.7	455.0	465.4
67.5°	318.8	339.6	381.1	414.6	423.9
70°	274.9	295.7	339.6	374.2	383.4
72.5°	229.8	254.1	298.0	331.5	344.2
75°	189.4	213.7	257.6	289.9	299.1
77.5°	146.7	170.9	216.0	239.1	240.2
80°	105.1	132.8	170.9	180.2	184.8
82.5°	69.3	95.9	117.8	129.4	129.4
85°	40.4	57.7	68.1	67.0	65.8
87.5°	15.0	19.6	16.2	11.5	8.1
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)