

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: P701645

Luminaire Tested: **RX-WO-35HB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701645
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_4000K
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

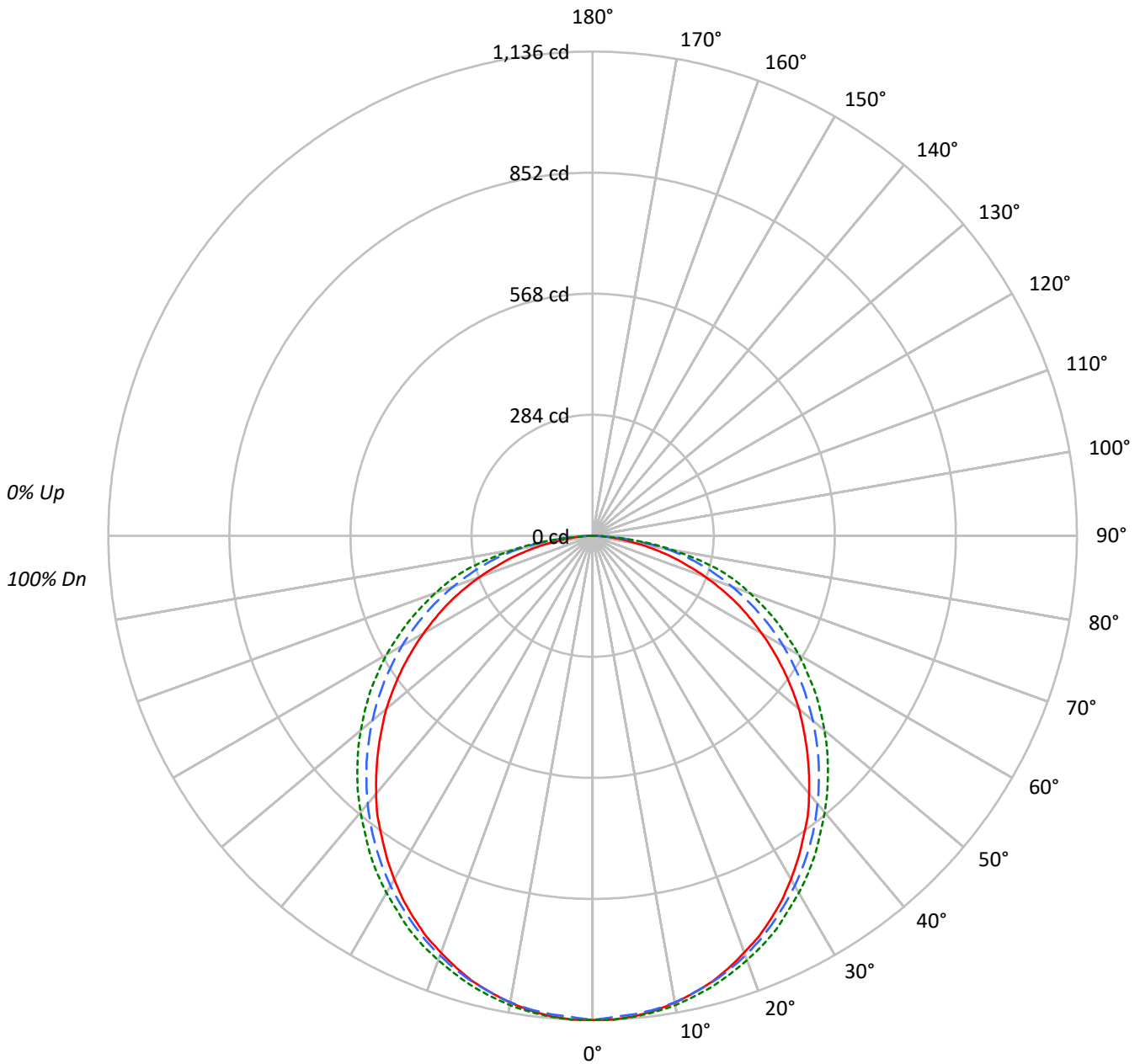
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3307.0 lumens
Efficiency: N/A
Efficacy: 127.2 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°	1603	1603	1603
5°	1603	1596	1605
10°	1594	1593	1603
15°	1582	1584	1598
20°	1563	1573	1591
25°	1543	1560	1587
30°	1517	1545	1576
35°	1485	1530	1569
40°	1456	1512	1560
45°	1419	1497	1558
50°	1387	1481	1558
55°	1343	1467	1566
60°	1293	1457	1577
65°	1242	1443	1589
70°	1160	1433	1618
75°	1056	1436	1668
80°	874	1421	1536
85°	669	1129	1090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	3.2
10°-20°	306.7	9.3
20°-30°	462.7	14.0
30°-40°	555.5	16.8
40°-50°	577.7	17.5
50°-60°	531.3	16.1
60°-70°	423.4	12.8
70°-80°	268.3	8.1
80°-90°	73.8	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°	876.9	26.5
0°-40°	1432.4	43.3
0°-60°	2541.4	76.8
0°-90°	3307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1136	1136	1136	1136	1136	
5°	1131	1131	1127	1133	1133	107
15°	1083	1083	1084	1092	1094	305
25°	991	996	1002	1016	1019	456
35°	862	872	888	905	911	540
45°	711	726	750	774	781	549
55°	546	563	596	626	637	488
65°	372	391	432	465	476	367
75°	194	218	263	296	306	204
85°	41	59	70	68	67	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1136.1	1136.1	1136.1	1136.1	1136.1
2.5°	1136.1	1136.1	1130.2	1136.1	1136.1
5°	1131.4	1131.4	1126.7	1132.6	1132.6
7.5°	1123.1	1124.3	1120.8	1126.7	1126.7
10°	1112.5	1113.7	1111.3	1118.4	1118.4
12.5°	1098.3	1099.5	1098.3	1106.6	1106.6
15°	1083.0	1083.0	1084.2	1092.4	1093.6
17.5°	1062.9	1065.3	1067.6	1077.1	1077.1
20°	1040.5	1044.0	1047.6	1059.4	1059.4
22.5°	1018.0	1021.6	1026.3	1038.1	1040.5
25°	990.9	995.6	1001.5	1015.7	1019.2
27.5°	962.5	966.1	975.5	990.9	992.0
30°	930.6	936.5	948.3	963.7	967.2
32.5°	897.6	905.8	918.8	936.5	940.1
35°	862.1	871.6	888.1	904.7	910.6
37.5°	829.1	836.2	855.0	873.9	877.5
40°	790.1	800.7	820.8	842.1	846.8
42.5°	751.1	762.9	785.4	806.6	814.9
45°	711.0	726.3	749.9	773.6	780.6
47.5°	670.8	687.3	712.1	738.1	746.4
50°	631.8	647.2	674.4	701.5	709.8
52.5°	588.1	605.9	635.4	664.9	673.2
55°	545.6	563.3	596.4	625.9	636.6
57.5°	501.9	522.0	556.3	587.0	596.4
60°	458.2	479.5	516.1	546.8	558.6
62.5°	414.5	434.6	474.8	505.5	516.1
65°	372.0	390.9	432.2	465.3	475.9
67.5°	326.0	347.2	389.7	424.0	433.4
70°	281.1	302.3	347.2	382.6	392.1
72.5°	235.0	259.8	304.7	338.9	351.9
75°	193.7	218.5	263.4	296.4	305.9
77.5°	150.0	174.8	220.8	244.5	245.6
80°	107.5	135.8	174.8	184.2	189.0
82.5°	70.9	98.0	120.5	132.3	132.3
85°	41.3	59.1	69.7	68.5	67.3
87.5°	15.4	20.1	16.5	11.8	8.3
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)