

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: P701652

Luminaire Tested: **RX-WO-40HB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701652
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-40HB2750-UNV-24_2700K
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

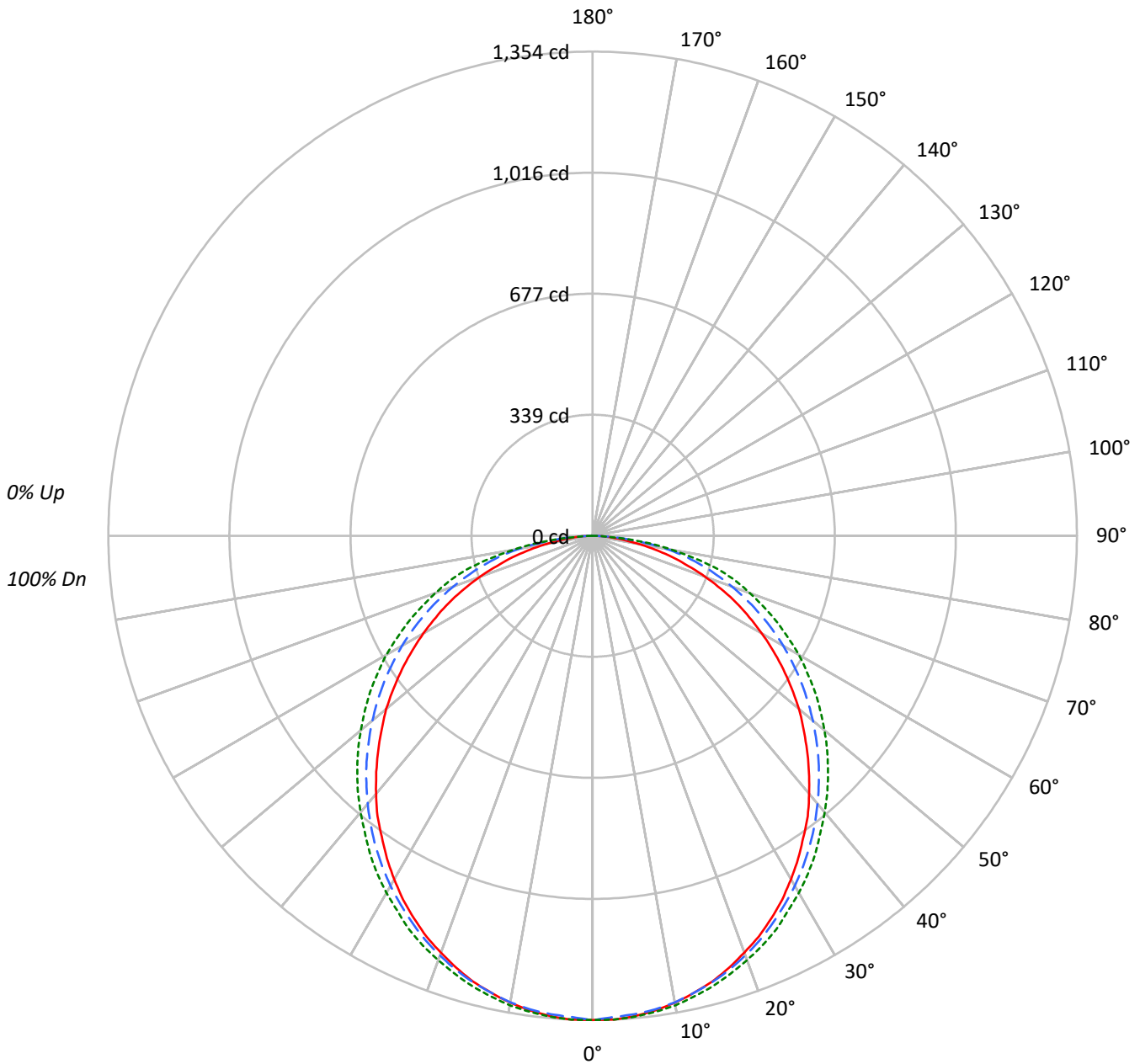
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3942.0 lumens
Efficiency: N/A
Efficacy: 135.9 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): 29
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°	1911	1911	1911
5°	1911	1903	1913
10°	1900	1898	1911
15°	1886	1888	1905
20°	1863	1875	1897
25°	1839	1859	1892
30°	1808	1842	1879
35°	1771	1824	1870
40°	1735	1803	1860
45°	1692	1784	1857
50°	1654	1765	1858
55°	1600	1749	1867
60°	1542	1737	1880
65°	1481	1721	1895
70°	1383	1708	1929
75°	1259	1712	1988
80°	1041	1694	1830
85°	798	1346	1299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	3.2
10°-20°	365.6	9.3
20°-30°	551.5	14.0
30°-40°	662.2	16.8
40°-50°	688.7	17.5
50°-60°	633.4	16.1
60°-70°	504.8	12.8
70°-80°	319.9	8.1
80°-90°	88.0	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°	1045.2	26.5
0°-40°	1707.4	43.3
0°-60°	3029.4	76.8
0°-90°	3942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1349	1349	1343	1350	1350	128
15°	1291	1291	1292	1302	1304	364
25°	1181	1187	1194	1211	1215	544
35°	1028	1039	1059	1078	1085	644
45°	848	866	894	922	930	654
55°	650	672	711	746	759	581
65°	444	466	515	555	567	437
75°	231	260	314	353	365	243
85°	49	70	83	82	80	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354.3	1354.3	1354.3	1354.3	1354.3
2.5°	1354.3	1354.3	1347.2	1354.3	1354.3
5°	1348.7	1348.7	1343.0	1350.1	1350.1
7.5°	1338.8	1340.2	1336.0	1343.0	1343.0
10°	1326.1	1327.5	1324.7	1333.2	1333.2
12.5°	1309.2	1310.6	1309.2	1319.1	1319.1
15°	1290.9	1290.9	1292.3	1302.2	1303.6
17.5°	1267.0	1269.8	1272.6	1283.9	1283.9
20°	1240.3	1244.5	1248.7	1262.8	1262.8
22.5°	1213.5	1217.7	1223.4	1237.4	1240.3
25°	1181.1	1186.8	1193.8	1210.7	1214.9
27.5°	1147.3	1151.6	1162.8	1181.1	1182.5
30°	1109.3	1116.4	1130.4	1148.7	1153.0
32.5°	1069.9	1079.8	1095.3	1116.4	1120.6
35°	1027.7	1038.9	1058.7	1078.4	1085.4
37.5°	988.3	996.7	1019.2	1041.8	1046.0
40°	941.8	954.5	978.4	1003.7	1009.4
42.5°	895.3	909.4	936.2	961.5	971.4
45°	847.5	865.8	893.9	922.1	930.5
47.5°	799.6	819.3	848.9	879.9	889.7
50°	753.2	771.5	803.8	836.2	846.1
52.5°	701.1	722.2	757.4	792.6	802.4
55°	650.4	671.5	710.9	746.1	758.8
57.5°	598.3	622.2	663.1	699.7	710.9
60°	546.2	571.6	615.2	651.8	665.9
62.5°	494.1	518.1	565.9	602.5	615.2
65°	443.5	466.0	515.2	554.7	567.3
67.5°	388.5	413.9	464.6	505.4	516.7
70°	335.1	360.4	413.9	456.1	467.4
72.5°	280.1	309.7	363.2	404.0	419.5
75°	230.9	260.4	313.9	353.4	364.6
77.5°	178.8	208.4	263.3	291.4	292.8
80°	128.1	161.9	208.4	219.6	225.2
82.5°	84.5	116.8	143.6	157.7	157.7
85°	49.3	70.4	83.1	81.7	80.2
87.5°	18.3	23.9	19.7	14.1	9.9
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)