

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: P701654

Luminaire Tested: **RX-WO-40HB2750-UNV-24_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701654
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_3500K
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

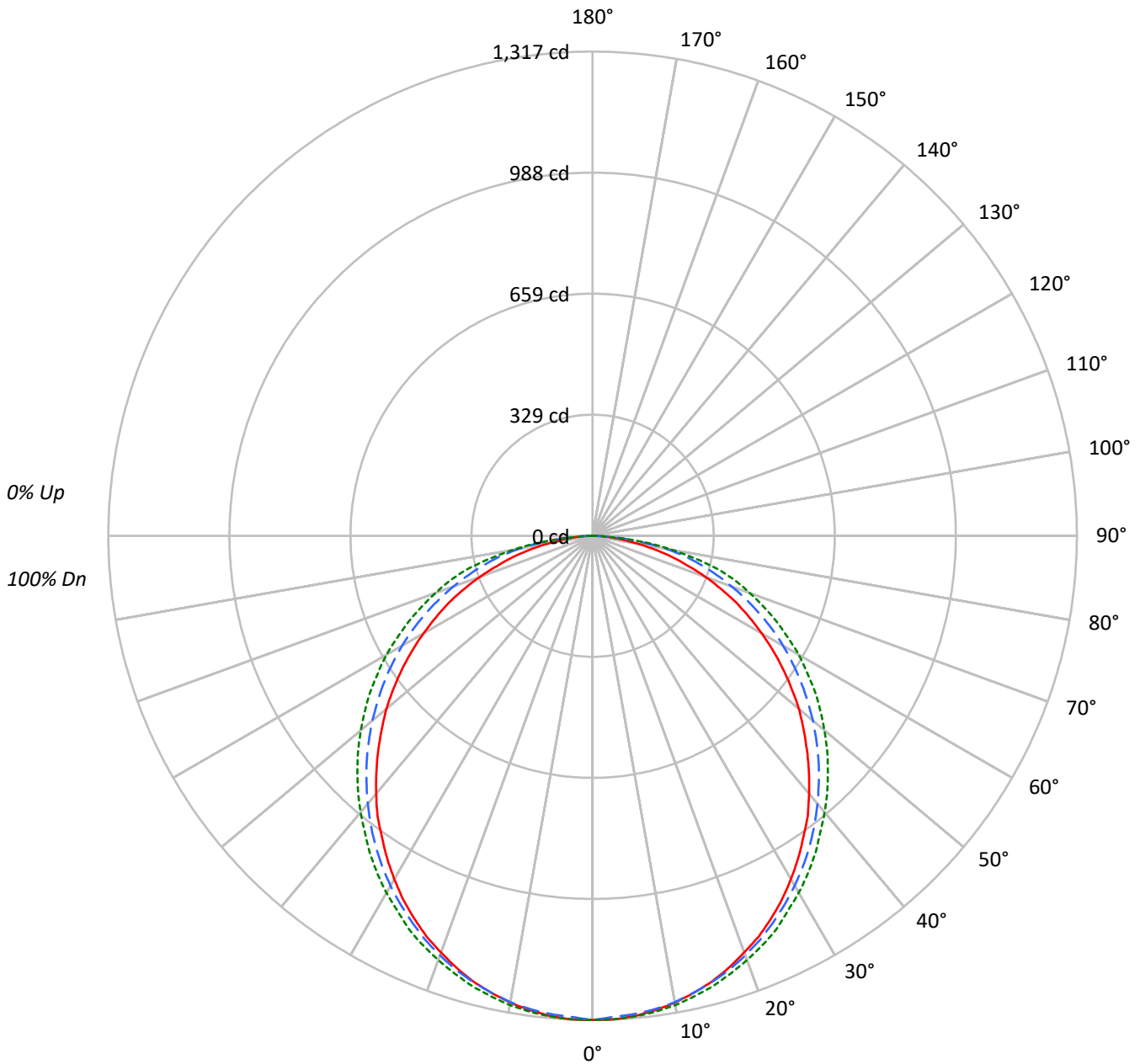
Lumens per Lamp: N/A
Luminaire Lumens: 3833.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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°	1858	1858	1858
5°	1858	1850	1860
10°	1848	1846	1858
15°	1834	1836	1852
20°	1811	1824	1844
25°	1788	1808	1840
30°	1758	1791	1827
35°	1722	1774	1818
40°	1687	1753	1808
45°	1645	1735	1806
50°	1608	1716	1806
55°	1556	1701	1815
60°	1499	1689	1828
65°	1440	1673	1842
70°	1344	1660	1875
75°	1224	1665	1933
80°	1013	1647	1780
85°	776	1308	1263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	3.2
10°-20°	355.5	9.3
20°-30°	536.3	14.0
30°-40°	643.9	16.8
40°-50°	669.6	17.5
50°-60°	615.8	16.1
60°-70°	490.8	12.8
70°-80°	311.0	8.1
80°-90°	85.5	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°	1016.3	26.5
0°-40°	1660.2	43.3
0°-60°	2945.6	76.8
0°-90°	3833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1311	1311	1306	1313	1313	124
15°	1255	1255	1257	1266	1268	354
25°	1148	1154	1161	1177	1181	529
35°	999	1010	1029	1048	1055	626
45°	824	842	869	897	905	636
55°	632	653	691	726	738	565
65°	431	453	501	539	552	425
75°	224	253	305	344	354	236
85°	48	68	81	79	78	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1316.8	1316.8	1316.8	1316.8	1316.8
2.5°	1316.8	1316.8	1310.0	1316.8	1316.8
5°	1311.4	1311.4	1305.9	1312.7	1312.7
7.5°	1301.8	1303.2	1299.0	1305.9	1305.9
10°	1289.5	1290.8	1288.1	1296.3	1296.3
12.5°	1273.0	1274.4	1273.0	1282.6	1282.6
15°	1255.2	1255.2	1256.6	1266.2	1267.6
17.5°	1232.0	1234.7	1237.4	1248.4	1248.4
20°	1206.0	1210.1	1214.2	1227.9	1227.9
22.5°	1180.0	1184.1	1189.5	1203.2	1206.0
25°	1148.5	1153.9	1160.8	1177.2	1181.3
27.5°	1115.6	1119.7	1130.7	1148.5	1149.8
30°	1078.7	1085.5	1099.2	1117.0	1121.1
32.5°	1040.3	1049.9	1065.0	1085.5	1089.6
35°	999.3	1010.2	1029.4	1048.5	1055.4
37.5°	960.9	969.1	991.1	1013.0	1017.1
40°	915.8	928.1	951.4	976.0	981.5
42.5°	870.6	884.3	910.3	934.9	944.5
45°	824.1	841.8	869.2	896.6	904.8
47.5°	777.5	796.7	825.4	855.5	865.1
50°	732.3	750.1	781.6	813.1	822.7
52.5°	681.7	702.2	736.4	770.7	780.2
55°	632.4	652.9	691.3	725.5	737.8
57.5°	581.8	605.0	644.7	680.3	691.3
60°	531.1	555.8	598.2	633.8	647.5
62.5°	480.5	503.7	550.3	585.9	598.2
65°	431.2	453.1	501.0	539.3	551.6
67.5°	377.8	402.4	451.7	491.4	502.4
70°	325.8	350.4	402.4	443.5	454.5
72.5°	272.4	301.1	353.2	392.9	407.9
75°	224.5	253.2	305.3	343.6	354.5
77.5°	173.8	202.6	256.0	283.4	284.7
80°	124.6	157.4	202.6	213.5	219.0
82.5°	82.1	113.6	139.6	153.3	153.3
85°	47.9	68.4	80.8	79.4	78.0
87.5°	17.8	23.3	19.2	13.7	9.6
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)