

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: P701657

Luminaire Tested: **RX-WO-40LB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701657
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-40LB2750-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

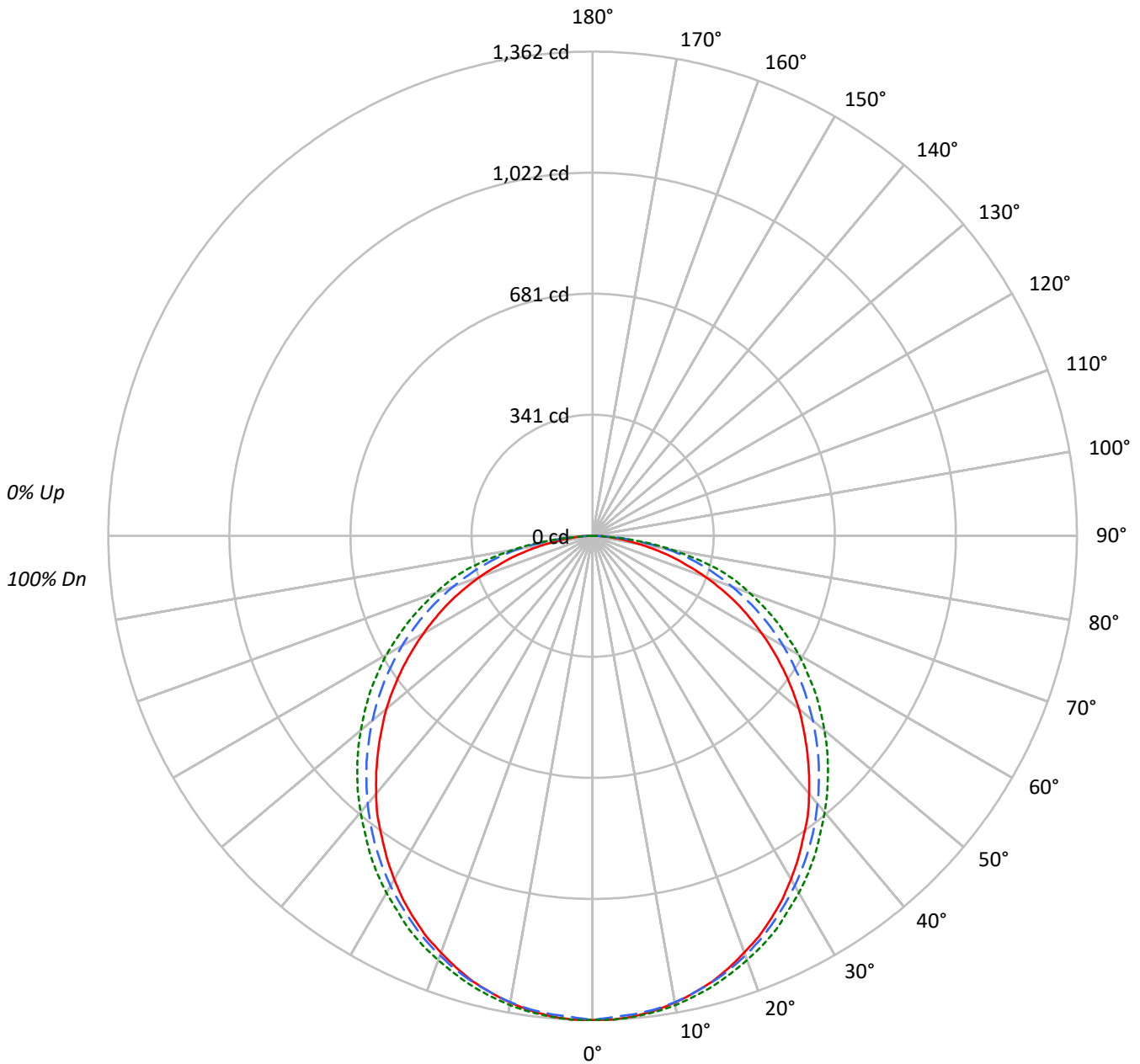
Lumens per Lamp: N/A
Luminaire Lumens: 3965.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
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°	1923	1923	1923
5°	1922	1914	1924
10°	1912	1910	1922
15°	1897	1899	1916
20°	1874	1886	1908
25°	1850	1870	1903
30°	1818	1853	1890
35°	1781	1835	1881
40°	1745	1813	1871
45°	1701	1795	1868
50°	1663	1775	1869
55°	1610	1760	1878
60°	1551	1747	1891
65°	1489	1731	1906
70°	1391	1718	1940
75°	1266	1722	2000
80°	1048	1704	1842
85°	803	1352	1307



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	3.2
10°-20°	367.7	9.3
20°-30°	554.8	14.0
30°-40°	666.0	16.8
40°-50°	692.7	17.5
50°-60°	637.0	16.1
60°-70°	507.7	12.8
70°-80°	321.7	8.1
80°-90°	88.5	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°	1051.3	26.5
0°-40°	1717.4	43.3
0°-60°	3047.1	76.8
0°-90°	3965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3965.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1356	1356	1351	1358	1358	129
15°	1298	1298	1300	1310	1311	366
25°	1188	1194	1201	1218	1222	547
35°	1034	1045	1065	1085	1092	647
45°	852	871	899	928	936	658
55°	654	675	715	750	763	585
65°	446	469	518	558	571	440
75°	232	262	316	355	367	244
85°	50	71	84	82	81	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1362.2	1362.2	1362.2	1362.2	1362.2
2.5°	1362.2	1362.2	1355.1	1362.2	1362.2
5°	1356.5	1356.5	1350.9	1357.9	1357.9
7.5°	1346.6	1348.0	1343.8	1350.9	1350.9
10°	1333.9	1335.3	1332.5	1340.9	1340.9
12.5°	1316.9	1318.3	1316.9	1326.8	1326.8
15°	1298.5	1298.5	1299.9	1309.8	1311.2
17.5°	1274.4	1277.2	1280.1	1291.4	1291.4
20°	1247.5	1251.7	1256.0	1270.1	1270.1
22.5°	1220.6	1224.8	1230.5	1244.7	1247.5
25°	1188.0	1193.7	1200.8	1217.8	1222.0
27.5°	1154.0	1158.3	1169.6	1188.0	1189.4
30°	1115.8	1122.9	1137.0	1155.5	1159.7
32.5°	1076.2	1086.1	1101.6	1122.9	1127.1
35°	1033.7	1045.0	1064.8	1084.7	1091.7
37.5°	994.0	1002.5	1025.2	1047.8	1052.1
40°	947.3	960.0	984.1	1009.6	1015.3
42.5°	900.6	914.7	941.6	967.1	977.0
45°	852.4	870.8	899.2	927.5	936.0
47.5°	804.3	824.1	853.8	885.0	894.9
50°	757.6	776.0	808.5	841.1	851.0
52.5°	705.2	726.4	761.8	797.2	807.1
55°	654.2	675.4	715.1	750.5	763.2
57.5°	601.8	625.9	666.9	703.7	715.1
60°	549.4	574.9	618.8	655.6	669.8
62.5°	497.0	521.1	569.2	606.0	618.8
65°	446.0	468.7	518.3	557.9	570.6
67.5°	390.8	416.3	467.3	508.3	519.7
70°	337.0	362.5	416.3	458.8	470.1
72.5°	281.8	311.5	365.3	406.4	422.0
75°	232.2	262.0	315.8	355.4	366.7
77.5°	179.8	209.6	264.8	293.1	294.5
80°	128.9	162.8	209.6	220.9	226.6
82.5°	85.0	117.5	144.4	158.6	158.6
85°	49.6	70.8	83.5	82.1	80.7
87.5°	18.4	24.1	19.8	14.2	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)