

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: P701660

Luminaire Tested: **RX-WO-40LB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701660
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_4000K
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

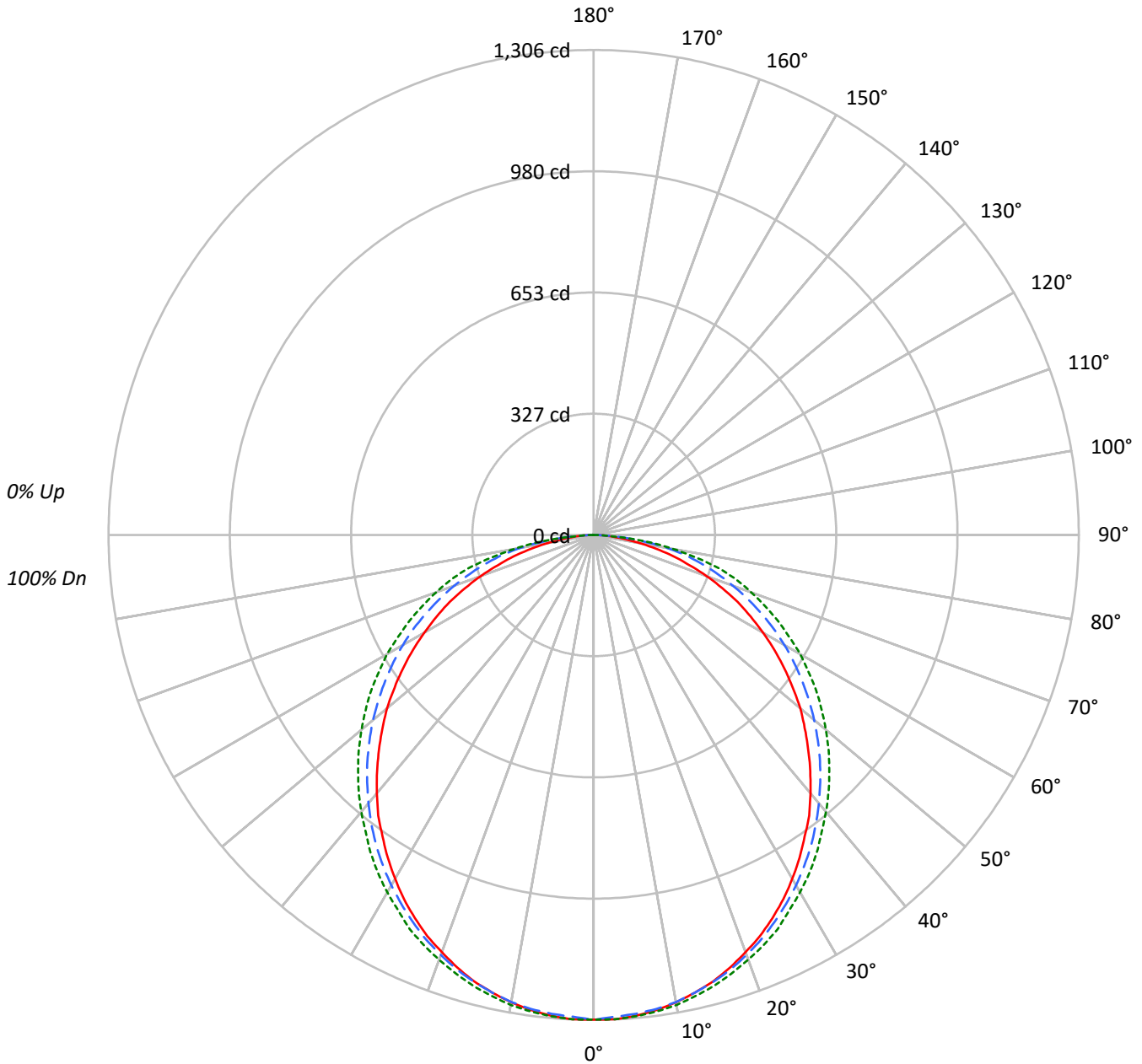
Lumens per Lamp: N/A
Luminaire Lumens: 3800.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P701660

CATALOG NUMBER: RX-WO-40LB2750-UNV-24_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P701660

CATALOG NUMBER: RX-WO-40LB2750-UNV-24_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83			83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68			68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57			57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49			49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42			42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37			37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32			32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29			29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26			26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23			23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1843	1843	1843
5°	1842	1834	1844
10°	1832	1830	1842
15°	1818	1820	1836
20°	1796	1808	1828
25°	1773	1792	1824
30°	1743	1776	1811
35°	1707	1758	1803
40°	1673	1738	1793
45°	1631	1720	1790
50°	1594	1701	1791
55°	1543	1686	1800
60°	1486	1674	1812
65°	1428	1659	1826
70°	1333	1646	1859
75°	1214	1650	1917
80°	1004	1632	1764
85°	769	1297	1253



TEST NUMBER: P701660

CATALOG NUMBER: RX-WO-40LB2750-UNV-24_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	3.2
10°-20°	352.4	9.3
20°-30°	531.7	14.0
30°-40°	638.3	16.8
40°-50°	663.9	17.5
50°-60°	610.5	16.1
60°-70°	486.6	12.8
70°-80°	308.3	8.1
80°-90°	84.8	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°	1007.6	26.5
0°-40°	1645.9	43.3
0°-60°	2920.3	76.8
0°-90°	3800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1300	1300	1295	1301	1301	123
15°	1244	1244	1246	1255	1257	351
25°	1139	1144	1151	1167	1171	524
35°	991	1002	1020	1040	1046	621
45°	817	835	862	889	897	631
55°	627	647	685	719	732	560
65°	428	449	497	535	547	421
75°	223	251	303	341	352	234
85°	48	68	80	79	77	57
90°	0	0	0	0	0	



TEST NUMBER: P701660

CATALOG NUMBER: RX-WO-40LB2750-UNV-24_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1305.5	1305.5	1305.5	1305.5	1305.5
2.5°	1305.5	1305.5	1298.7	1305.5	1305.5
5°	1300.1	1300.1	1294.6	1301.4	1301.4
7.5°	1290.6	1291.9	1287.9	1294.6	1294.6
10°	1278.4	1279.7	1277.0	1285.1	1285.1
12.5°	1262.1	1263.4	1262.1	1271.6	1271.6
15°	1244.4	1244.4	1245.8	1255.3	1256.6
17.5°	1221.4	1224.1	1226.8	1237.6	1237.6
20°	1195.6	1199.6	1203.7	1217.3	1217.3
22.5°	1169.8	1173.9	1179.3	1192.9	1195.6
25°	1138.6	1144.0	1150.8	1167.1	1171.2
27.5°	1106.0	1110.1	1120.9	1138.6	1139.9
30°	1069.4	1076.2	1089.7	1107.4	1111.4
32.5°	1031.4	1040.9	1055.8	1076.2	1080.2
35°	990.7	1001.5	1020.5	1039.5	1046.3
37.5°	952.7	960.8	982.5	1004.2	1008.3
40°	907.9	920.1	943.2	967.6	973.0
42.5°	863.1	876.7	902.5	926.9	936.4
45°	817.0	834.6	861.7	888.9	897.0
47.5°	770.8	789.8	818.3	848.2	857.7
50°	726.0	743.7	774.9	806.1	815.6
52.5°	675.8	696.2	730.1	764.0	773.5
55°	627.0	647.3	685.3	719.2	731.5
57.5°	576.8	599.8	639.2	674.5	685.3
60°	526.5	551.0	593.0	628.3	641.9
62.5°	476.3	499.4	545.5	580.8	593.0
65°	427.5	449.2	496.7	534.7	546.9
67.5°	374.6	399.0	447.8	487.2	498.0
70°	323.0	347.4	399.0	439.7	450.5
72.5°	270.1	298.6	350.1	389.5	404.4
75°	222.6	251.1	302.6	340.6	351.5
77.5°	172.3	200.8	253.8	280.9	282.3
80°	123.5	156.1	200.8	211.7	217.1
82.5°	81.4	112.6	138.4	152.0	152.0
85°	47.5	67.9	80.1	78.7	77.4
87.5°	17.6	23.1	19.0	13.6	9.5
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)