

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: P701680

Luminaire Tested: **RX-WO-50LB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701680
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-50LB2750-UNV-24_4000K
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

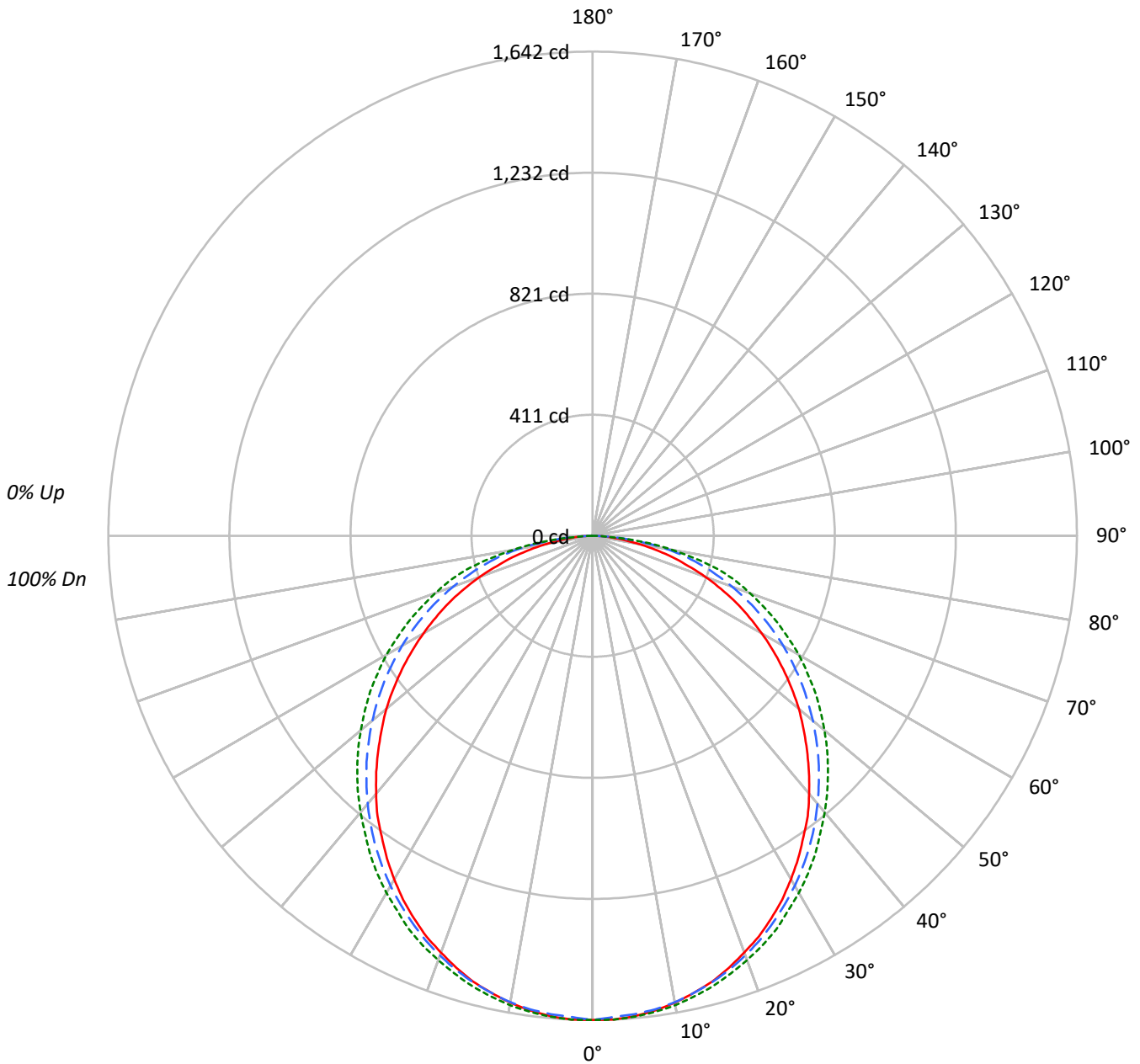
Lumens per Lamp: N/A
Luminaire Lumens: 4780.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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: P701680

CATALOG NUMBER: RX-WO-50LB2750-UNV-24_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P701680

CATALOG NUMBER: RX-WO-50LB2750-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								
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°	2318	2318	2318
5°	2317	2307	2319
10°	2304	2302	2317
15°	2287	2290	2310
20°	2259	2274	2300
25°	2230	2254	2294
30°	2192	2234	2278
35°	2147	2212	2268
40°	2104	2186	2255
45°	2051	2164	2252
50°	2005	2140	2253
55°	1941	2121	2264
60°	1869	2106	2279
65°	1796	2087	2297
70°	1677	2071	2338
75°	1527	2076	2411
80°	1262	2053	2220
85°	967	1631	1576



TEST NUMBER: P701680

CATALOG NUMBER: RX-WO-50LB2750-UNV-24_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	3.2
10°-20°	443.3	9.3
20°-30°	668.8	14.0
30°-40°	802.9	16.8
40°-50°	835.1	17.5
50°-60°	768.0	16.1
60°-70°	612.1	12.8
70°-80°	387.9	8.1
80°-90°	106.7	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°	1267.4	26.5
0°-40°	2070.4	43.3
0°-60°	3673.4	76.8
0°-90°	4780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1635	1635	1628	1637	1637	155
15°	1565	1565	1567	1579	1581	441
25°	1432	1439	1448	1468	1473	660
35°	1246	1260	1284	1308	1316	781
45°	1028	1050	1084	1118	1128	793
55°	789	814	862	905	920	705
65°	538	565	625	673	688	530
75°	280	316	381	428	442	295
85°	60	85	101	99	97	71
90°	0	0	0	0	0	



TEST NUMBER: P701680

CATALOG NUMBER: RX-WO-50LB2750-UNV-24_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1642.2	1642.2	1642.2	1642.2	1642.2
2.5°	1642.2	1642.2	1633.6	1642.2	1642.2
5°	1635.4	1635.4	1628.5	1637.1	1637.1
7.5°	1623.4	1625.1	1620.0	1628.5	1628.5
10°	1608.0	1609.7	1606.3	1616.6	1616.6
12.5°	1587.6	1589.3	1587.6	1599.5	1599.5
15°	1565.4	1565.4	1567.1	1579.0	1580.7
17.5°	1536.3	1539.8	1543.2	1556.8	1556.8
20°	1503.9	1509.0	1514.2	1531.2	1531.2
22.5°	1471.5	1476.6	1483.4	1500.5	1503.9
25°	1432.2	1439.0	1447.6	1468.1	1473.2
27.5°	1391.2	1396.4	1410.0	1432.2	1433.9
30°	1345.2	1353.7	1370.8	1393.0	1398.1
32.5°	1297.4	1309.3	1328.1	1353.7	1358.8
35°	1246.1	1259.8	1283.7	1307.6	1316.1
37.5°	1198.4	1208.6	1235.9	1263.2	1268.3
40°	1142.0	1157.4	1186.4	1217.1	1224.0
42.5°	1085.7	1102.8	1135.2	1165.9	1177.9
45°	1027.6	1049.8	1084.0	1118.1	1128.4
47.5°	969.6	993.5	1029.4	1066.9	1078.9
50°	913.3	935.5	974.7	1014.0	1025.9
52.5°	850.1	875.7	918.4	961.1	973.0
55°	788.7	814.3	862.1	904.7	920.1
57.5°	725.5	754.5	804.0	848.4	862.1
60°	662.3	693.1	746.0	790.4	807.4
62.5°	599.2	628.2	686.2	730.6	746.0
65°	537.7	565.0	624.8	672.6	687.9
67.5°	471.1	501.9	563.3	612.8	626.5
70°	406.3	437.0	501.9	553.1	566.7
72.5°	339.7	375.6	440.4	489.9	508.7
75°	280.0	315.8	380.7	428.5	442.1
77.5°	216.8	252.6	319.2	353.4	355.1
80°	155.3	196.3	252.6	266.3	273.1
82.5°	102.4	141.7	174.1	191.2	191.2
85°	59.7	85.4	100.7	99.0	97.3
87.5°	22.2	29.0	23.9	17.1	11.9
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)