

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: P701546

Luminaire Tested: **RX-WO-39LB2750-UNV-14_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-39LB2750-UNV-14_5000K
Description: 1X4 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

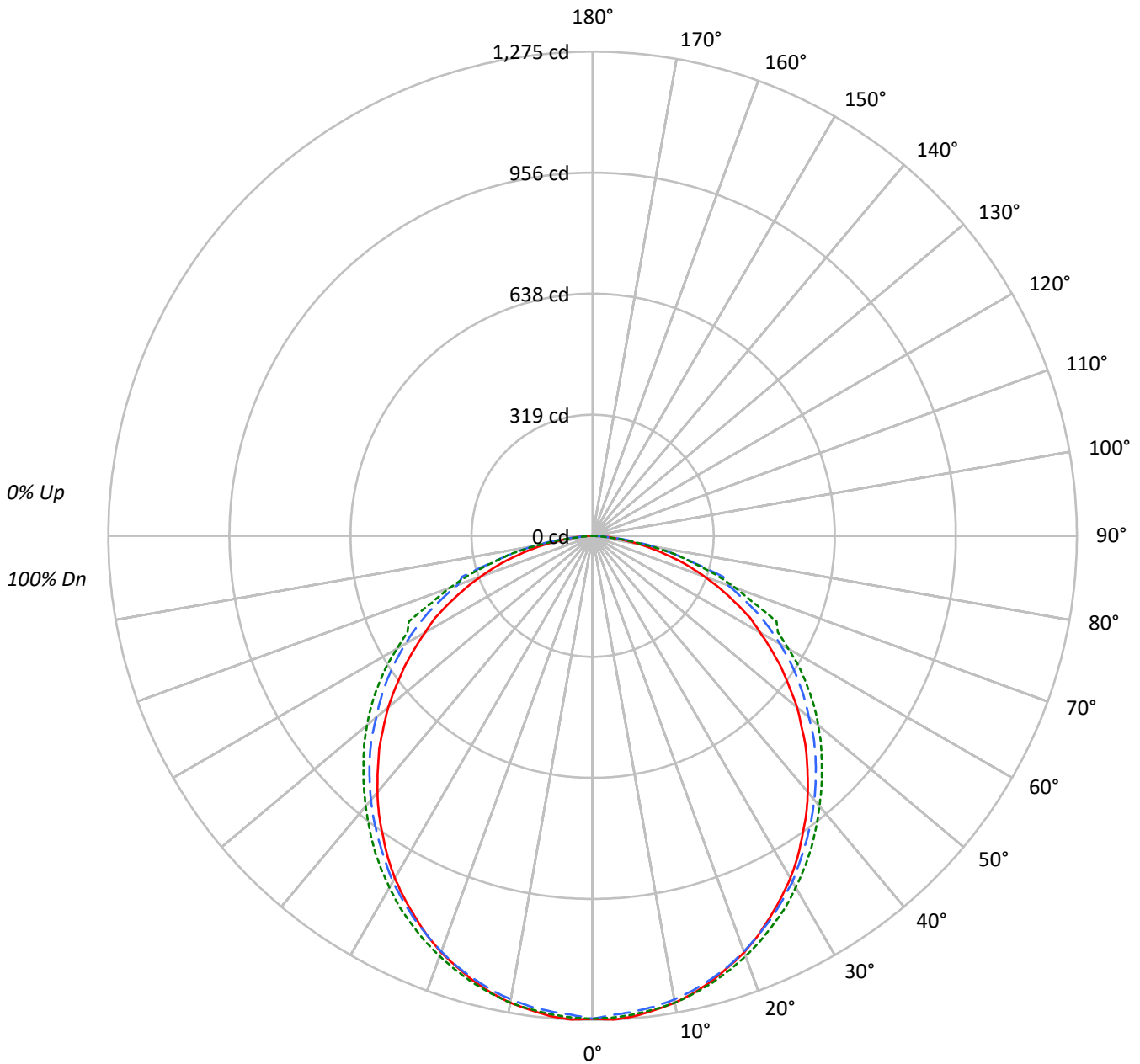
Lumens per Lamp: N/A
Luminaire Lumens: 3616.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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: P701546

CATALOG NUMBER: RX-WO-39LB2750-UNV-14_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P701546

CATALOG NUMBER: RX-WO-39LB2750-UNV-14_5000K

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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83																			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43																			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33																			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3590	3590	3590
5°	3598	3563	3583
10°	3579	3554	3579
15°	3545	3530	3561
20°	3506	3500	3538
25°	3447	3464	3513
30°	3394	3428	3486
35°	3319	3380	3459
40°	3248	3346	3425
45°	3172	3314	3406
50°	3084	3264	3404
55°	2985	3247	3396
60°	2874	3214	3354
65°	2760	3187	3566
70°	2577	3118	3294
75°	2321	3018	2960
80°	1960	2594	2451
85°	1435	1263	460



TEST NUMBER: P701546

CATALOG NUMBER: RX-WO-39LB2750-UNV-14_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	3.3
10°-20°	342.3	9.5
20°-30°	514.6	14.2
30°-40°	615.5	17.0
40°-50°	638.2	17.6
50°-60°	585.2	16.2
60°-70°	465.5	12.9
70°-80°	276.6	7.7
80°-90°	58.0	1.6
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°	977.0	27.0
0°-40°	1592.5	44.0
0°-60°	2815.8	77.9
0°-90°	3616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1272	1272	1272	1272	1272	
5°	1270	1266	1258	1266	1265	120
15°	1213	1212	1208	1218	1218	342
25°	1107	1109	1112	1128	1128	510
35°	963	968	981	1000	1004	603
45°	795	807	830	848	853	612
55°	607	628	660	686	690	542
65°	413	438	477	497	534	409
75°	213	243	277	275	271	226
85°	44	55	39	21	14	54
90°	0	0	0	0	0	



TEST NUMBER: P701546

CATALOG NUMBER: RX-WO-39LB2750-UNV-14_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1271.8	1271.8	1271.8	1271.8	1271.8
2.5°	1275.3	1271.8	1262.9	1271.8	1270.0
5°	1270.0	1266.4	1257.6	1266.4	1264.7
7.5°	1259.3	1257.6	1250.5	1259.3	1257.6
10°	1248.7	1245.2	1239.8	1248.7	1248.7
12.5°	1232.7	1229.2	1225.6	1236.3	1234.5
15°	1213.2	1211.5	1207.9	1218.5	1218.5
17.5°	1190.2	1190.2	1188.4	1199.0	1199.0
20°	1167.1	1165.3	1165.3	1177.8	1177.8
22.5°	1138.7	1138.7	1138.7	1154.7	1154.7
25°	1106.8	1108.6	1112.1	1128.1	1128.1
27.5°	1074.9	1078.4	1082.0	1097.9	1101.5
30°	1041.2	1042.9	1051.8	1067.8	1069.6
32.5°	1003.9	1007.5	1016.3	1034.1	1037.6
35°	963.1	968.5	980.9	1000.4	1003.9
37.5°	924.1	931.2	945.4	964.9	966.7
40°	881.5	890.4	908.1	925.9	929.4
42.5°	837.2	847.8	869.1	888.6	892.2
45°	794.6	807.0	830.1	847.8	853.2
47.5°	746.7	760.9	789.3	810.6	815.9
50°	702.4	716.6	743.2	769.8	775.1
52.5°	652.7	672.2	702.4	729.0	734.3
55°	606.6	627.9	659.8	686.4	690.0
57.5°	556.9	580.0	615.5	640.3	645.6
60°	509.1	533.9	569.4	592.4	594.2
62.5°	466.5	487.8	523.2	544.5	549.9
65°	413.3	438.1	477.1	496.6	533.9
67.5°	363.6	388.4	425.7	491.3	455.8
70°	312.2	340.6	377.8	395.5	399.1
72.5°	264.3	292.7	360.1	340.6	338.8
75°	212.8	243.0	276.7	274.9	271.4
77.5°	165.0	196.9	216.4	218.2	218.2
80°	120.6	159.6	159.6	159.6	150.8
82.5°	78.0	102.9	102.9	88.7	79.8
85°	44.3	55.0	39.0	21.3	14.2
87.5°	16.0	12.4	3.5	3.5	1.8
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)