

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: P701661

Luminaire Tested: **RX-WO-40LB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701661
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_5000K
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

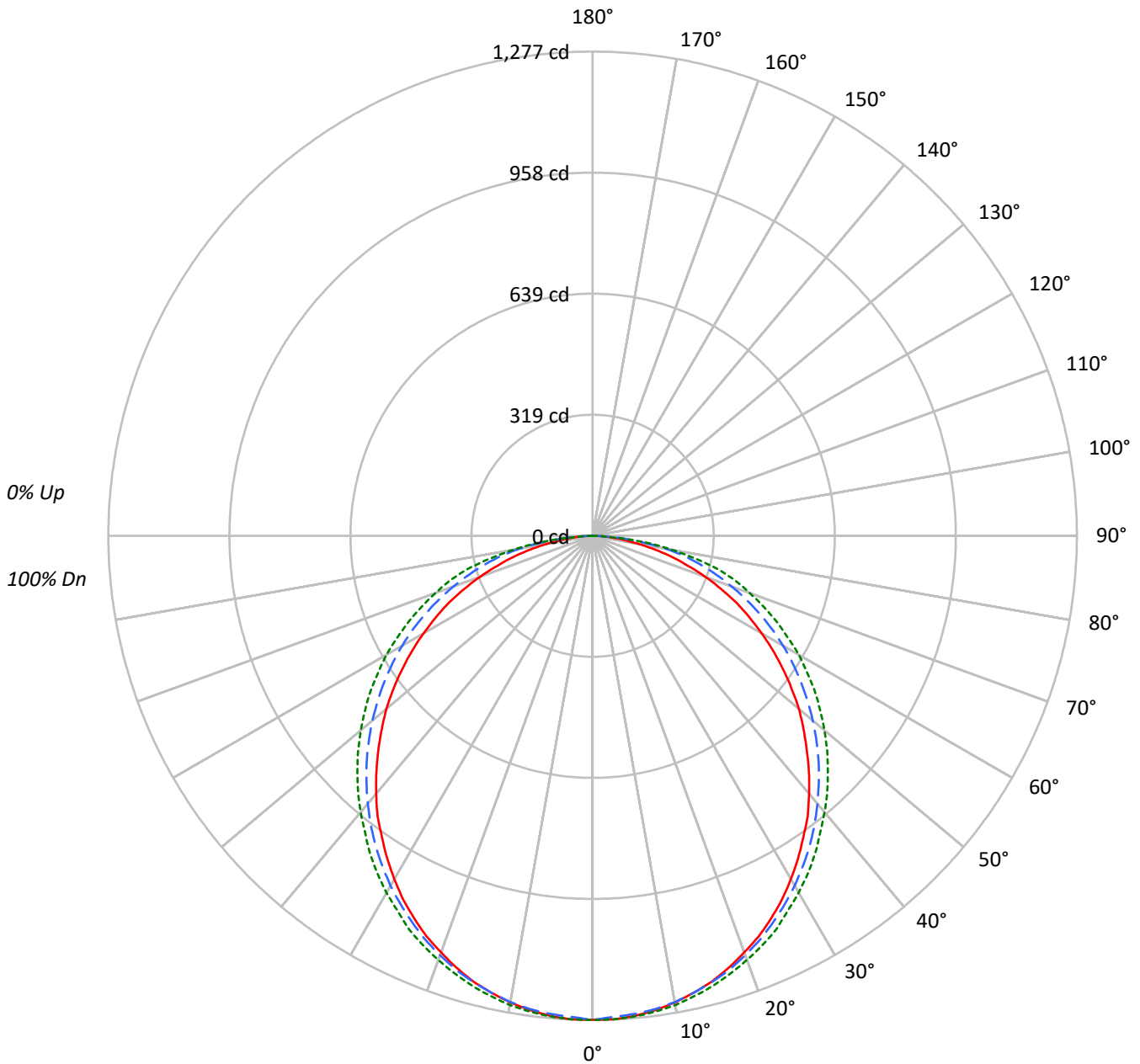
Lumens per Lamp: N/A
Luminaire Lumens: 3716.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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°	1802	1802	1802
5°	1801	1794	1803
10°	1792	1790	1801
15°	1778	1780	1796
20°	1756	1768	1788
25°	1734	1753	1784
30°	1704	1737	1771
35°	1669	1719	1763
40°	1636	1699	1753
45°	1595	1682	1751
50°	1559	1664	1751
55°	1509	1649	1760
60°	1453	1637	1772
65°	1396	1622	1786
70°	1303	1610	1818
75°	1187	1614	1874
80°	982	1596	1725
85°	751	1268	1224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	3.2
10°-20°	344.7	9.3
20°-30°	519.9	14.0
30°-40°	624.2	16.8
40°-50°	649.2	17.5
50°-60°	597.0	16.1
60°-70°	475.8	12.8
70°-80°	301.5	8.1
80°-90°	82.9	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°	985.3	26.5
0°-40°	1609.5	43.3
0°-60°	2855.7	76.8
0°-90°	3716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1277	1277	1277	1277	1277	
5°	1271	1271	1266	1273	1273	121
15°	1217	1217	1218	1228	1229	343
25°	1113	1119	1125	1141	1145	513
35°	969	979	998	1016	1023	607
45°	799	816	843	869	877	617
55°	613	633	670	703	715	548
65°	418	439	486	523	535	412
75°	218	246	296	333	344	229
85°	46	66	78	77	76	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1276.6	1276.6	1276.6	1276.6	1276.6
2.5°	1276.6	1276.6	1270.0	1276.6	1276.6
5°	1271.3	1271.3	1266.0	1272.7	1272.7
7.5°	1262.0	1263.4	1259.4	1266.0	1266.0
10°	1250.1	1251.4	1248.8	1256.7	1256.7
12.5°	1234.2	1235.5	1234.2	1243.5	1243.5
15°	1216.9	1216.9	1218.3	1227.5	1228.9
17.5°	1194.4	1197.0	1199.7	1210.3	1210.3
20°	1169.2	1173.1	1177.1	1190.4	1190.4
22.5°	1143.9	1147.9	1153.2	1166.5	1169.2
25°	1113.4	1118.7	1125.4	1141.3	1145.3
27.5°	1081.6	1085.5	1096.2	1113.4	1114.7
30°	1045.7	1052.4	1065.6	1082.9	1086.9
32.5°	1008.6	1017.9	1032.5	1052.4	1056.3
35°	968.8	979.4	998.0	1016.5	1023.2
37.5°	931.6	939.6	960.8	982.0	986.0
40°	887.8	899.8	922.3	946.2	951.5
42.5°	844.0	857.3	882.5	906.4	915.7
45°	798.9	816.1	842.7	869.2	877.2
47.5°	753.8	772.4	800.2	829.4	838.7
50°	710.0	727.2	757.8	788.3	797.6
52.5°	660.9	680.8	714.0	747.1	756.4
55°	613.1	633.0	670.2	703.3	715.3
57.5°	564.0	586.6	625.1	659.6	670.2
60°	514.9	538.8	579.9	614.4	627.7
62.5°	465.8	488.4	533.5	568.0	579.9
65°	418.0	439.3	485.7	522.9	534.8
67.5°	366.3	390.2	437.9	476.4	487.0
70°	315.8	339.7	390.2	430.0	440.6
72.5°	264.1	292.0	342.4	380.9	395.5
75°	217.6	245.5	295.9	333.1	343.7
77.5°	168.5	196.4	248.2	274.7	276.0
80°	120.8	152.6	196.4	207.0	212.3
82.5°	79.6	110.1	135.4	148.6	148.6
85°	46.4	66.4	78.3	77.0	75.6
87.5°	17.3	22.6	18.6	13.3	9.3
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)