

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: P701655

Luminaire Tested: **RX-WO-40HB2750-UNV-24_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701655
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-40HB2750-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

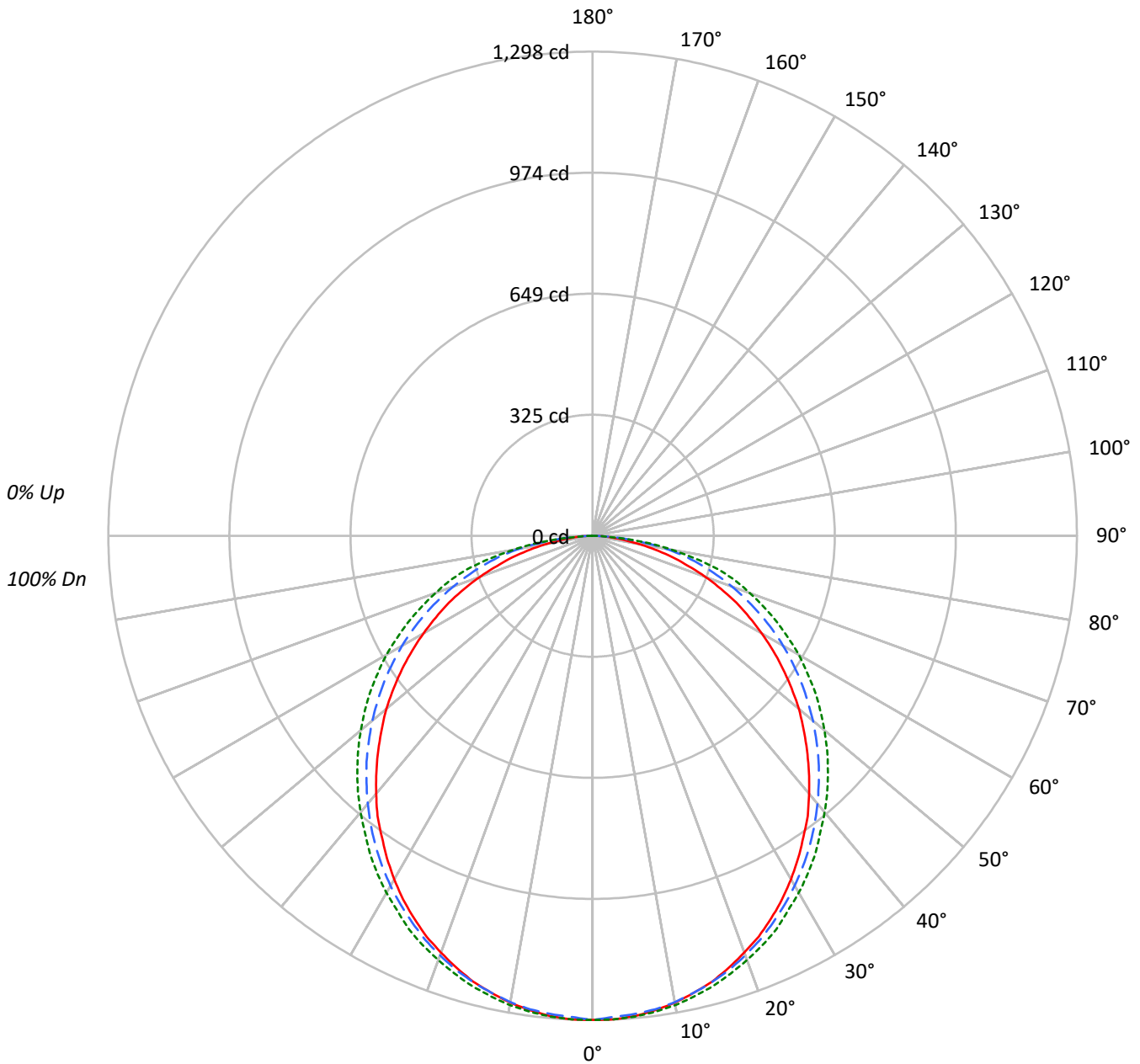
Lumens per Lamp: N/A
Luminaire Lumens: 3778.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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°	1832	1832	1832
5°	1831	1823	1833
10°	1821	1819	1831
15°	1808	1810	1826
20°	1785	1797	1818
25°	1763	1782	1813
30°	1733	1766	1801
35°	1697	1748	1792
40°	1663	1728	1782
45°	1621	1710	1780
50°	1585	1692	1780
55°	1534	1677	1789
60°	1478	1664	1801
65°	1419	1649	1816
70°	1325	1637	1848
75°	1207	1641	1905
80°	998	1623	1755
85°	764	1289	1245



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	3.2
10°-20°	350.4	9.3
20°-30°	528.6	14.0
30°-40°	634.6	16.8
40°-50°	660.0	17.5
50°-60°	607.0	16.1
60°-70°	483.8	12.8
70°-80°	306.6	8.1
80°-90°	84.3	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°	1001.7	26.5
0°-40°	1636.4	43.3
0°-60°	2903.4	76.8
0°-90°	3778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1292	1292	1287	1294	1294	123
15°	1237	1237	1239	1248	1249	349
25°	1132	1137	1144	1160	1164	521
35°	985	996	1015	1034	1040	617
45°	812	830	857	884	892	627
55°	623	644	681	715	727	557
65°	425	447	494	532	544	419
75°	221	250	301	339	349	233
85°	47	68	80	78	77	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.9	1297.9	1297.9	1297.9	1297.9
2.5°	1297.9	1297.9	1291.2	1297.9	1297.9
5°	1292.5	1292.5	1287.1	1293.9	1293.9
7.5°	1283.1	1284.5	1280.4	1287.1	1287.1
10°	1271.0	1272.3	1269.6	1277.7	1277.7
12.5°	1254.8	1256.1	1254.8	1264.2	1264.2
15°	1237.2	1237.2	1238.6	1248.0	1249.4
17.5°	1214.3	1217.0	1219.7	1230.5	1230.5
20°	1188.7	1192.7	1196.8	1210.2	1210.2
22.5°	1163.0	1167.1	1172.5	1186.0	1188.7
25°	1132.0	1137.4	1144.1	1160.3	1164.4
27.5°	1099.6	1103.7	1114.5	1132.0	1133.3
30°	1063.2	1069.9	1083.4	1101.0	1105.0
32.5°	1025.4	1034.8	1049.7	1069.9	1074.0
35°	984.9	995.7	1014.6	1033.5	1040.2
37.5°	947.1	955.2	976.8	998.4	1002.5
40°	902.6	914.8	937.7	962.0	967.4
42.5°	858.1	871.6	897.2	921.5	931.0
45°	812.2	829.8	856.8	883.7	891.8
47.5°	766.4	785.2	813.6	843.3	852.7
50°	721.8	739.4	770.4	801.4	810.9
52.5°	671.9	692.1	725.9	759.6	769.1
55°	623.3	643.6	681.4	715.1	727.2
57.5°	573.4	596.4	635.5	670.6	681.4
60°	523.5	547.8	589.6	624.7	638.2
62.5°	473.6	496.5	542.4	577.5	589.6
65°	425.0	446.6	493.8	531.6	543.7
67.5°	372.4	396.7	445.2	484.4	495.2
70°	321.1	345.4	396.7	437.1	447.9
72.5°	268.5	296.8	348.1	387.2	402.1
75°	221.3	249.6	300.9	338.7	349.4
77.5°	171.4	199.7	252.3	279.3	280.6
80°	122.8	155.2	199.7	210.5	215.9
82.5°	81.0	112.0	137.6	151.1	151.1
85°	47.2	67.5	79.6	78.3	76.9
87.5°	17.5	22.9	18.9	13.5	9.4
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)