

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: P701656

Luminaire Tested: **RX-WO-40HB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701656
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_5000K
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

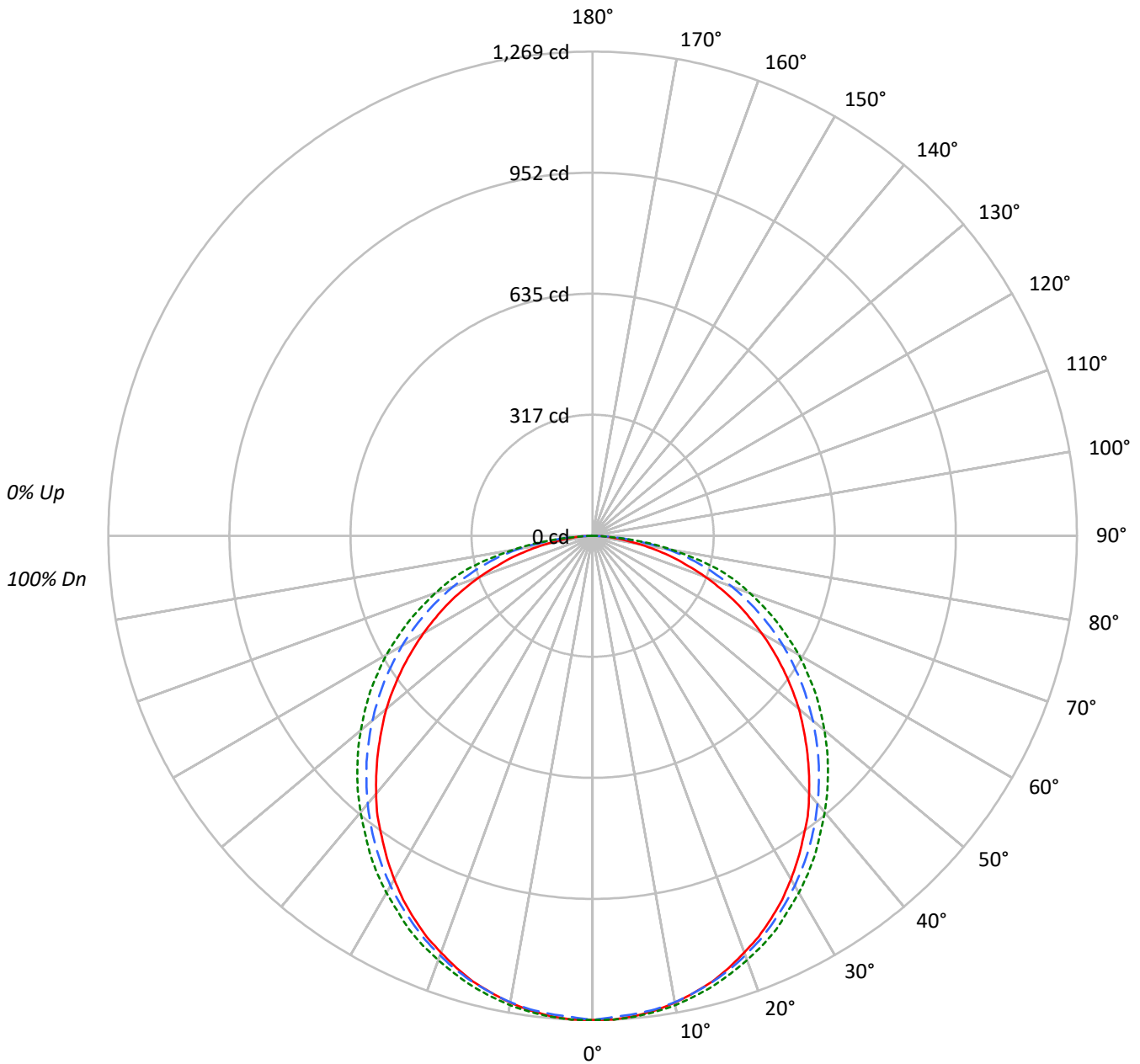
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3694.0 lumens
Efficiency: N/A
Efficacy: 127.4 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°	1791	1791	1791
5°	1790	1783	1792
10°	1781	1779	1790
15°	1768	1769	1785
20°	1746	1757	1777
25°	1724	1742	1773
30°	1694	1726	1761
35°	1659	1709	1752
40°	1626	1689	1743
45°	1585	1672	1740
50°	1550	1654	1741
55°	1500	1639	1750
60°	1445	1627	1761
65°	1388	1612	1775
70°	1296	1600	1807
75°	1180	1604	1863
80°	975	1587	1716
85°	748	1260	1218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	3.2
10°-20°	342.6	9.3
20°-30°	516.8	14.0
30°-40°	620.5	16.8
40°-50°	645.3	17.5
50°-60°	593.5	16.1
60°-70°	473.0	12.8
70°-80°	299.7	8.1
80°-90°	82.4	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°	979.5	26.5
0°-40°	1600.0	43.3
0°-60°	2838.8	76.8
0°-90°	3694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3694.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1264	1264	1258	1265	1265	120
15°	1210	1210	1211	1220	1222	341
25°	1107	1112	1119	1134	1138	510
35°	963	974	992	1010	1017	603
45°	794	811	838	864	872	613
55°	610	629	666	699	711	545
65°	416	437	483	520	532	410
75°	216	244	294	331	342	228
85°	46	66	78	76	75	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1269.1	1269.1	1269.1	1269.1	1269.1
2.5°	1269.1	1269.1	1262.5	1269.1	1269.1
5°	1263.8	1263.8	1258.5	1265.1	1265.1
7.5°	1254.6	1255.9	1251.9	1258.5	1258.5
10°	1242.7	1244.0	1241.4	1249.3	1249.3
12.5°	1226.9	1228.2	1226.9	1236.1	1236.1
15°	1209.7	1209.7	1211.0	1220.3	1221.6
17.5°	1187.3	1189.9	1192.6	1203.1	1203.1
20°	1162.2	1166.2	1170.1	1183.3	1183.3
22.5°	1137.2	1141.1	1146.4	1159.6	1162.2
25°	1106.8	1112.1	1118.7	1134.5	1138.5
27.5°	1075.2	1079.1	1089.7	1106.8	1108.1
30°	1039.5	1046.1	1059.3	1076.5	1080.4
32.5°	1002.6	1011.8	1026.3	1046.1	1050.1
35°	963.0	973.6	992.0	1010.5	1017.1
37.5°	926.1	934.0	955.1	976.2	980.2
40°	882.6	894.4	916.9	940.6	945.9
42.5°	839.0	852.2	877.3	901.0	910.3
45°	794.2	811.3	837.7	864.1	872.0
47.5°	749.3	767.8	795.5	824.5	833.7
50°	705.8	722.9	753.3	783.6	792.8
52.5°	657.0	676.8	709.7	742.7	752.0
55°	609.5	629.3	666.2	699.2	711.1
57.5°	560.7	583.1	621.4	655.6	666.2
60°	511.9	535.6	576.5	610.8	624.0
62.5°	463.0	485.5	530.3	564.6	576.5
65°	415.6	436.7	482.8	519.8	531.6
67.5°	364.1	387.8	435.3	473.6	484.2
70°	314.0	337.7	387.8	427.4	438.0
72.5°	262.5	290.2	340.4	378.6	393.1
75°	216.4	244.1	294.2	331.1	341.7
77.5°	167.5	195.2	246.7	273.1	274.4
80°	120.0	151.7	195.2	205.8	211.1
82.5°	79.2	109.5	134.6	147.8	147.8
85°	46.2	66.0	77.8	76.5	75.2
87.5°	17.1	22.4	18.5	13.2	9.2
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)