

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: P701664

Luminaire Tested: **RX-WO-45HB2750-UNV-24_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701664
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-45HB2750-UNV-24_3500K
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

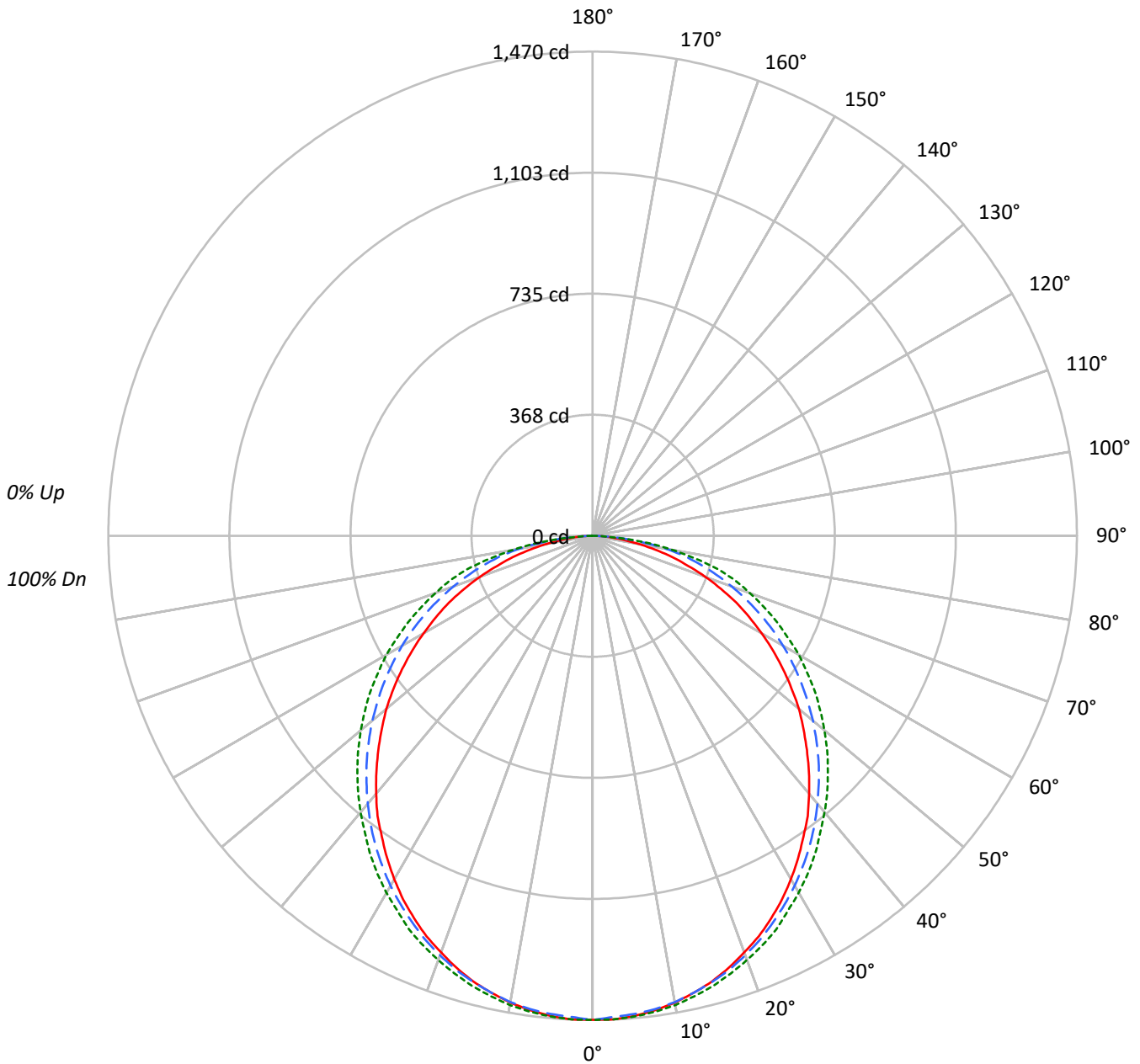
Lumens per Lamp: N/A
Luminaire Lumens: 4278.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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: P701664

CATALOG NUMBER: RX-WO-45HB2750-UNV-24_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P701664

CATALOG NUMBER: RX-WO-45HB2750-UNV-24_3500K

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°	2074	2074	2074
5°	2074	2065	2076
10°	2063	2060	2073
15°	2047	2049	2067
20°	2022	2035	2058
25°	1996	2018	2053
30°	1962	1999	2039
35°	1922	1979	2029
40°	1883	1956	2018
45°	1836	1936	2016
50°	1795	1915	2016
55°	1737	1898	2026
60°	1673	1884	2040
65°	1607	1867	2056
70°	1500	1854	2093
75°	1367	1858	2158
80°	1130	1838	1986
85°	866	1459	1410



TEST NUMBER: P701664

CATALOG NUMBER: RX-WO-45HB2750-UNV-24_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.2
10°-20°	396.8	9.3
20°-30°	598.6	14.0
30°-40°	718.6	16.8
40°-50°	747.4	17.5
50°-60°	687.3	16.1
60°-70°	547.8	12.8
70°-80°	347.1	8.1
80°-90°	95.5	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°	1134.3	26.5
0°-40°	1852.9	43.3
0°-60°	3287.6	76.8
0°-90°	4278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1464	1464	1458	1465	1465	139
15°	1401	1401	1402	1413	1415	395
25°	1282	1288	1296	1314	1318	590
35°	1115	1128	1149	1170	1178	699
45°	920	940	970	1001	1010	710
55°	706	729	772	810	824	631
65°	481	506	559	602	616	474
75°	251	283	341	384	396	264
85°	54	76	90	89	87	64
90°	0	0	0	0	0	



TEST NUMBER: P701664

CATALOG NUMBER: RX-WO-45HB2750-UNV-24_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1469.7	1469.7	1469.7	1469.7	1469.7
2.5°	1469.7	1469.7	1462.1	1469.7	1469.7
5°	1463.6	1463.6	1457.5	1465.1	1465.1
7.5°	1452.9	1454.4	1449.9	1457.5	1457.5
10°	1439.2	1440.7	1437.6	1446.8	1446.8
12.5°	1420.8	1422.4	1420.8	1431.5	1431.5
15°	1401.0	1401.0	1402.5	1413.2	1414.7
17.5°	1375.0	1378.1	1381.1	1393.3	1393.3
20°	1346.0	1350.6	1355.1	1370.4	1370.4
22.5°	1316.9	1321.5	1327.6	1342.9	1346.0
25°	1281.8	1287.9	1295.6	1313.9	1318.5
27.5°	1245.1	1249.7	1261.9	1281.8	1283.3
30°	1203.9	1211.5	1226.8	1246.7	1251.2
32.5°	1161.1	1171.8	1188.6	1211.5	1216.1
35°	1115.3	1127.5	1148.9	1170.3	1177.9
37.5°	1072.5	1081.7	1106.1	1130.6	1135.1
40°	1022.1	1035.8	1061.8	1089.3	1095.4
42.5°	971.7	986.9	1016.0	1043.5	1054.2
45°	919.7	939.6	970.1	1000.7	1009.9
47.5°	867.8	889.2	921.2	954.9	965.6
50°	817.4	837.2	872.4	907.5	918.2
52.5°	760.8	783.7	821.9	860.1	870.8
55°	705.8	728.7	771.5	809.7	823.5
57.5°	649.3	675.3	719.6	759.3	771.5
60°	592.8	620.3	667.6	707.4	722.6
62.5°	536.2	562.2	614.2	653.9	667.6
65°	481.2	505.7	559.2	601.9	615.7
67.5°	421.7	449.2	504.2	548.5	560.7
70°	363.6	391.1	449.2	495.0	507.2
72.5°	304.0	336.1	394.2	438.5	455.3
75°	250.6	282.6	340.7	383.5	395.7
77.5°	194.0	226.1	285.7	316.2	317.8
80°	139.0	175.7	226.1	238.3	244.4
82.5°	91.7	126.8	155.8	171.1	171.1
85°	53.5	76.4	90.1	88.6	87.1
87.5°	19.9	26.0	21.4	15.3	10.7
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)