

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: P701663

Luminaire Tested: **RX-WO-45HB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701663
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_3000K
Description: 2X4 4500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

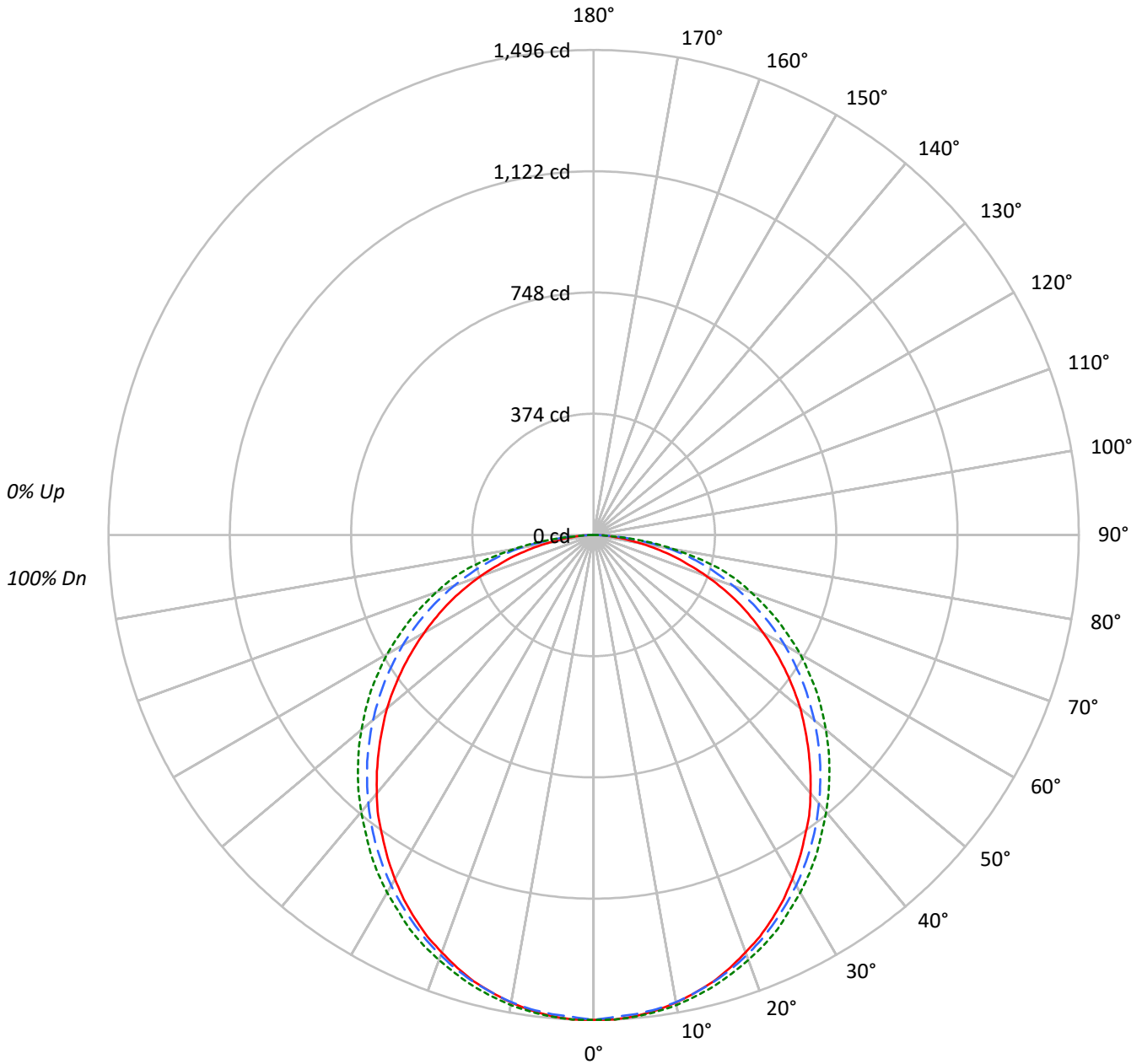
Lumens per Lamp: N/A
Luminaire Lumens: 4355.0 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): 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: P701663

CATALOG NUMBER: RX-WO-45HB2750-UNV-24_3000K

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°	2112	2112	2112
5°	2111	2102	2113
10°	2100	2097	2111
15°	2084	2086	2104
20°	2058	2072	2095
25°	2032	2054	2090
30°	1997	2035	2076
35°	1956	2015	2066
40°	1917	1991	2054
45°	1869	1971	2052
50°	1827	1950	2052
55°	1768	1933	2063
60°	1703	1919	2076
65°	1636	1901	2093
70°	1528	1887	2131
75°	1391	1891	2196
80°	1150	1871	2022
85°	881	1487	1436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	3.2
10°-20°	403.9	9.3
20°-30°	609.3	14.0
30°-40°	731.5	16.8
40°-50°	760.8	17.5
50°-60°	699.7	16.1
60°-70°	557.7	12.8
70°-80°	353.4	8.1
80°-90°	97.2	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°	1154.7	26.5
0°-40°	1886.3	43.3
0°-60°	3346.8	76.8
0°-90°	4355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1490	1490	1484	1492	1492	141
15°	1426	1426	1428	1439	1440	402
25°	1305	1311	1319	1338	1342	601
35°	1135	1148	1170	1191	1199	711
45°	936	956	988	1019	1028	723
55°	718	742	785	824	838	642
65°	490	515	569	613	627	483
75°	255	288	347	390	403	268
85°	54	78	92	90	89	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1496.2	1496.2	1496.2	1496.2	1496.2
2.5°	1496.2	1496.2	1488.4	1496.2	1496.2
5°	1490.0	1490.0	1483.7	1491.5	1491.5
7.5°	1479.1	1480.6	1476.0	1483.7	1483.7
10°	1465.1	1466.6	1463.5	1472.8	1472.8
12.5°	1446.4	1448.0	1446.4	1457.3	1457.3
15°	1426.2	1426.2	1427.7	1438.6	1440.2
17.5°	1399.7	1402.9	1406.0	1418.4	1418.4
20°	1370.2	1374.9	1379.5	1395.1	1395.1
22.5°	1340.6	1345.3	1351.5	1367.1	1370.2
25°	1304.9	1311.1	1318.9	1337.5	1342.2
27.5°	1267.5	1272.2	1284.7	1304.9	1306.4
30°	1225.6	1233.3	1248.9	1269.1	1273.8
32.5°	1182.0	1192.9	1210.0	1233.3	1238.0
35°	1135.3	1147.8	1169.6	1191.3	1199.1
37.5°	1091.8	1101.1	1126.0	1150.9	1155.6
40°	1040.5	1054.5	1080.9	1108.9	1115.1
42.5°	989.2	1004.7	1034.3	1062.3	1073.1
45°	936.3	956.5	987.6	1018.7	1028.0
47.5°	883.4	905.2	937.8	972.0	982.9
50°	832.1	852.3	888.1	923.8	934.7
52.5°	774.5	797.9	836.7	875.6	886.5
55°	718.5	741.9	785.4	824.3	838.3
57.5°	661.0	687.4	732.5	773.0	785.4
60°	603.4	631.4	679.7	720.1	735.6
62.5°	545.9	572.3	625.2	665.7	679.7
65°	489.9	514.8	569.2	612.8	626.8
67.5°	429.3	457.3	513.2	558.3	570.8
70°	370.2	398.2	457.3	503.9	516.4
72.5°	309.5	342.2	401.3	446.4	463.5
75°	255.1	287.7	346.8	390.4	402.8
77.5°	197.5	230.2	290.8	321.9	323.5
80°	141.5	178.9	230.2	242.6	248.8
82.5°	93.3	129.1	158.6	174.2	174.2
85°	54.4	77.8	91.8	90.2	88.7
87.5°	20.2	26.4	21.8	15.6	10.9
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)