

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: P701636

Luminaire Tested: **RX-WO-30HB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701636
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-30HB2750-UNV-24_5000K
Description: 2X4 3000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

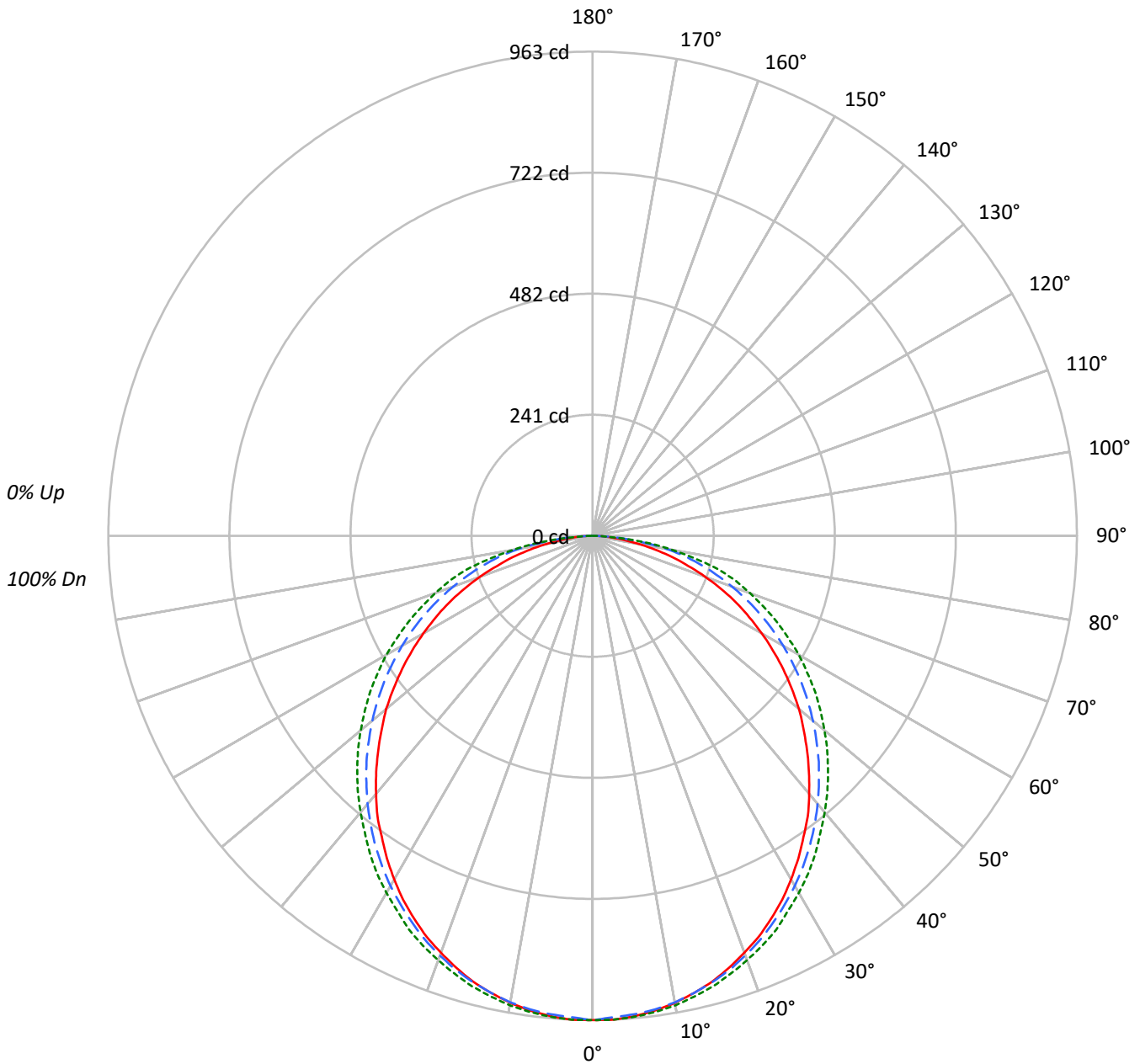
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2804.0 lumens
Efficiency: N/A
Efficacy: 127.5 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): 22
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: P701636
CATALOG NUMBER: RX-WO-30HB2750-UNV-24_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P701636

CATALOG NUMBER: RX-WO-30HB2750-UNV-24_5000K

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°	1360	1360	1360
5°	1359	1353	1360
10°	1352	1350	1359
15°	1342	1343	1355
20°	1325	1334	1349
25°	1308	1322	1346
30°	1286	1310	1336
35°	1259	1297	1330
40°	1234	1282	1323
45°	1203	1269	1321
50°	1176	1255	1321
55°	1138	1244	1328
60°	1097	1235	1337
65°	1053	1224	1348
70°	983	1215	1372
75°	895	1218	1415
80°	740	1205	1302
85°	567	957	925



TEST NUMBER: P701636

CATALOG NUMBER: RX-WO-30HB2750-UNV-24_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	3.2
10°-20°	260.1	9.3
20°-30°	392.3	14.0
30°-40°	471.0	16.8
40°-50°	489.9	17.5
50°-60°	450.5	16.1
60°-70°	359.1	12.8
70°-80°	227.5	8.1
80°-90°	62.6	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°	743.5	26.5
0°-40°	1214.5	43.3
0°-60°	2154.9	76.8
0°-90°	2804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	959	959	955	960	960	91
15°	918	918	919	926	927	259
25°	840	844	849	861	864	387
35°	731	739	753	767	772	458
45°	603	616	636	656	662	465
55°	463	478	506	531	540	413
65°	315	332	366	394	404	311
75°	164	185	223	251	259	173
85°	35	50	59	58	57	42
90°	0	0	0	0	0	



TEST NUMBER: P701636

CATALOG NUMBER: RX-WO-30HB2750-UNV-24_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	963.3	963.3	963.3	963.3	963.3
2.5°	963.3	963.3	958.3	963.3	963.3
5°	959.3	959.3	955.3	960.3	960.3
7.5°	952.3	953.3	950.3	955.3	955.3
10°	943.3	944.3	942.3	948.3	948.3
12.5°	931.3	932.3	931.3	938.3	938.3
15°	918.3	918.3	919.3	926.3	927.3
17.5°	901.2	903.2	905.2	913.3	913.3
20°	882.2	885.2	888.2	898.2	898.2
22.5°	863.2	866.2	870.2	880.2	882.2
25°	840.2	844.2	849.2	861.2	864.2
27.5°	816.1	819.1	827.1	840.2	841.2
30°	789.1	794.1	804.1	817.1	820.1
32.5°	761.0	768.1	779.1	794.1	797.1
35°	731.0	739.0	753.0	767.1	772.1
37.5°	703.0	709.0	725.0	741.0	744.0
40°	669.9	678.9	696.0	714.0	718.0
42.5°	636.9	646.9	665.9	683.9	690.9
45°	602.8	615.8	635.9	655.9	661.9
47.5°	568.8	582.8	603.8	625.9	632.9
50°	535.7	548.8	571.8	594.8	601.8
52.5°	498.7	513.7	538.7	563.8	570.8
55°	462.6	477.7	505.7	530.7	539.7
57.5°	425.6	442.6	471.6	497.7	505.7
60°	388.5	406.6	437.6	463.6	473.7
62.5°	351.5	368.5	402.6	428.6	437.6
65°	315.4	331.5	366.5	394.5	403.6
67.5°	276.4	294.4	330.5	359.5	367.5
70°	238.3	256.4	294.4	324.4	332.5
72.5°	199.3	220.3	258.4	287.4	298.4
75°	164.2	185.3	223.3	251.3	259.4
77.5°	127.2	148.2	187.3	207.3	208.3
80°	91.1	115.2	148.2	156.2	160.2
82.5°	60.1	83.1	102.1	112.2	112.2
85°	35.0	50.1	59.1	58.1	57.1
87.5°	13.0	17.0	14.0	10.0	7.0
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)