

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: P701581

Luminaire Tested: **RX-WO-24HB2750-UNV-22_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P302127)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-24HB2750-UNV-22_5000K
Description: 2X2 2400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

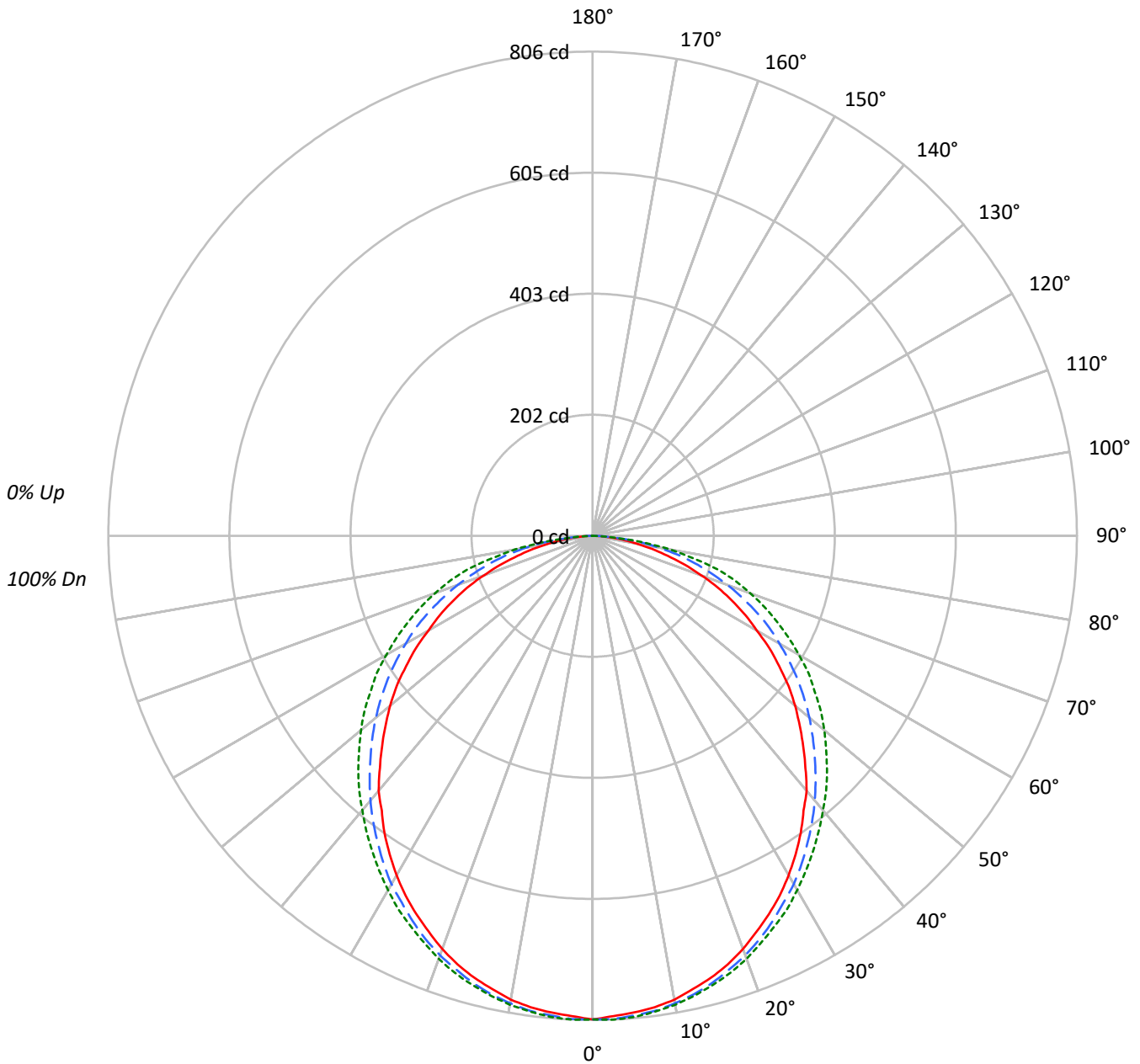
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2308.0 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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: P701581
CATALOG NUMBER: RX-WO-24HB2750-UNV-22_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P701581

CATALOG NUMBER: RX-WO-24HB2750-UNV-22_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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	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	68	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2285	2285	2285
5°	2269	2283	2290
10°	2259	2277	2284
15°	2238	2263	2274
20°	2210	2244	2263
25°	2175	2217	2245
30°	2137	2194	2231
35°	2092	2161	2217
40°	2052	2131	2209
45°	1990	2099	2214
50°	1942	2079	2222
55°	1874	2059	2231
60°	1791	2038	2250
65°	1719	2019	2269
70°	1598	1980	2309
75°	1416	1934	2356
80°	1198	1807	2131
85°	850	1253	1214



TEST NUMBER: P701581

CATALOG NUMBER: RX-WO-24HB2750-UNV-22_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	3.3
10°-20°	216.9	9.4
20°-30°	325.9	14.1
30°-40°	390.0	16.9
40°-50°	404.4	17.5
50°-60°	371.9	16.1
60°-70°	295.2	12.8
70°-80°	182.3	7.9
80°-90°	45.3	2.0
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°	619.0	26.8
0°-40°	1009.0	43.7
0°-60°	1785.2	77.3
0°-90°	2308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	796	799	801	804	804	76
15°	762	764	770	774	774	215
25°	695	700	708	716	717	320
35°	604	610	624	636	640	378
45°	496	504	523	544	552	383
55°	379	389	416	445	451	339
65°	256	267	301	329	338	253
75°	129	147	176	204	215	138
85°	26	34	38	38	37	33
90°	0	0	0	0	0	



TEST NUMBER: P701581

CATALOG NUMBER: RX-WO-24HB2750-UNV-22_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.2	805.2	805.2	805.2	805.2
2.5°	800.2	801.4	805.2	806.4	806.4
5°	796.5	799.0	801.4	804.0	804.0
7.5°	791.5	794.1	797.7	799.0	799.0
10°	784.1	786.6	790.2	792.7	792.7
12.5°	772.8	776.6	781.5	784.1	784.1
15°	761.7	764.1	770.4	774.1	774.1
17.5°	748.1	750.5	756.8	761.7	762.9
20°	731.9	734.3	743.1	748.1	749.3
22.5°	713.3	716.9	726.9	731.9	733.1
25°	694.6	699.5	708.2	715.7	716.9
27.5°	674.8	679.7	688.4	698.3	700.8
30°	652.3	657.4	669.7	678.4	680.9
32.5°	628.8	634.9	647.4	658.6	661.0
35°	603.9	610.2	623.8	636.1	639.9
37.5°	576.6	585.3	600.1	613.8	618.7
40°	554.1	559.2	575.3	591.5	596.4
42.5°	524.3	531.8	549.2	567.9	575.3
45°	495.8	504.5	523.1	544.2	551.7
47.5°	467.2	475.9	497.0	519.4	526.8
50°	439.9	447.4	470.9	495.8	503.3
52.5°	411.3	418.8	443.6	470.9	478.4
55°	378.9	388.9	416.2	444.9	451.0
57.5°	349.2	359.1	387.6	415.0	426.1
60°	315.6	328.1	359.1	386.4	396.4
62.5°	287.0	296.9	331.7	359.1	367.8
65°	256.0	267.1	300.7	329.3	338.0
67.5°	226.2	237.3	269.6	298.3	309.4
70°	192.6	205.0	238.6	267.1	278.3
72.5°	161.6	176.4	206.2	236.1	248.5
75°	129.2	146.6	176.4	203.8	214.9
77.5°	100.7	115.6	144.2	162.8	168.9
80°	73.3	88.3	110.6	123.0	130.4
82.5°	49.7	58.4	75.8	84.5	84.5
85°	26.1	33.6	38.5	38.5	37.3
87.5°	8.7	9.9	7.5	3.7	2.5
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)