

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: P701584

Luminaire Tested: **RX-WO-29HB2750-UNV-22_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701584
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-29HB2750-UNV-22_3500K
Description: 2X2 2900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

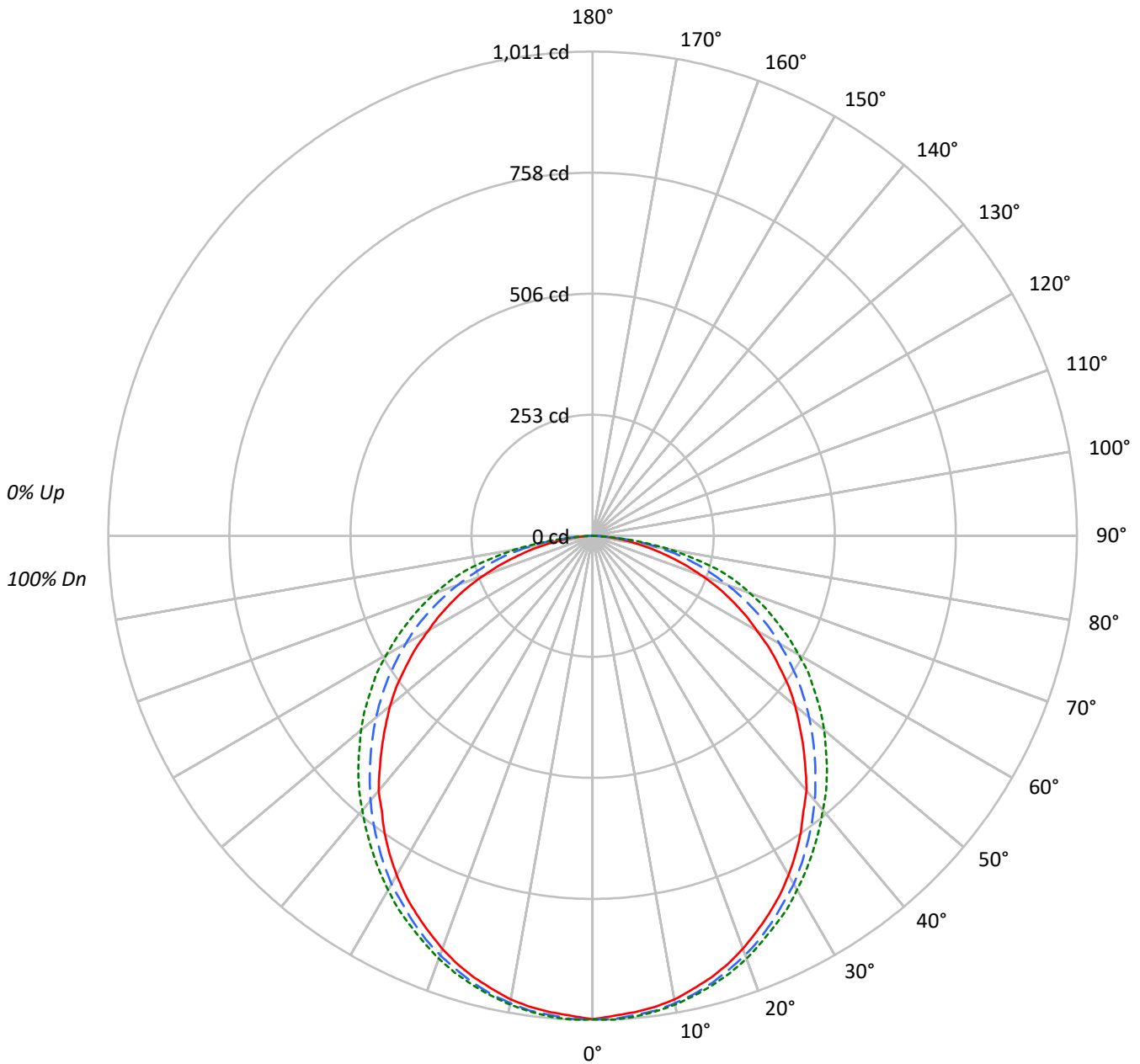
Lumens per Lamp: N/A
Luminaire Lumens: 2894.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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: P701584

CATALOG NUMBER: RX-WO-29HB2750-UNV-22_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P701584

CATALOG NUMBER: RX-WO-29HB2750-UNV-22_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	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°	2865	2865	2865
5°	2845	2862	2871
10°	2833	2855	2864
15°	2806	2838	2851
20°	2771	2813	2837
25°	2727	2781	2815
30°	2680	2752	2797
35°	2623	2709	2780
40°	2574	2672	2770
45°	2495	2632	2776
50°	2435	2606	2786
55°	2351	2582	2798
60°	2246	2555	2821
65°	2155	2532	2845
70°	2004	2481	2895
75°	1776	2425	2955
80°	1502	2266	2673
85°	1065	1573	1520



TEST NUMBER: P701584

CATALOG NUMBER: RX-WO-29HB2750-UNV-22_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	3.3
10°-20°	272.0	9.4
20°-30°	408.7	14.1
30°-40°	489.0	16.9
40°-50°	507.0	17.5
50°-60°	466.3	16.1
60°-70°	370.1	12.8
70°-80°	228.6	7.9
80°-90°	56.8	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°	776.2	26.8
0°-40°	1265.1	43.7
0°-60°	2238.5	77.3
0°-90°	2894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	999	1002	1005	1008	1008	95
15°	955	958	966	971	971	269
25°	871	877	888	897	899	401
35°	757	765	782	798	802	474
45°	622	633	656	682	692	480
55°	475	488	522	558	566	425
65°	321	335	377	413	424	317
75°	162	184	221	256	270	173
85°	33	42	48	48	47	41
90°	0	0	0	0	0	



TEST NUMBER: P701584

CATALOG NUMBER: RX-WO-29HB2750-UNV-22_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1009.6	1009.6	1009.6	1009.6	1009.6
2.5°	1003.3	1004.9	1009.6	1011.2	1011.2
5°	998.7	1001.8	1004.9	1008.1	1008.1
7.5°	992.4	995.7	1000.3	1001.8	1001.8
10°	983.2	986.3	990.9	994.0	994.0
12.5°	969.1	973.8	980.0	983.2	983.2
15°	955.1	958.2	966.0	970.6	970.6
17.5°	938.0	941.1	948.9	955.1	956.6
20°	917.7	920.8	931.7	938.0	939.6
22.5°	894.4	899.0	911.4	917.7	919.3
25°	871.0	877.1	888.1	897.4	899.0
27.5°	846.1	852.2	863.2	875.6	878.7
30°	818.0	824.3	839.8	850.7	853.8
32.5°	788.4	796.1	811.8	825.8	828.9
35°	757.2	765.1	782.1	797.7	802.4
37.5°	723.0	733.9	752.5	769.7	775.8
40°	694.8	701.1	721.4	741.7	747.9
42.5°	657.5	666.8	688.7	712.0	721.4
45°	621.7	632.6	655.9	682.4	691.8
47.5°	585.8	596.7	623.2	651.3	660.5
50°	551.6	560.9	590.4	621.7	631.0
52.5°	515.7	525.1	556.2	590.4	599.8
55°	475.2	487.6	521.9	557.9	565.5
57.5°	437.8	450.3	486.1	520.3	534.3
60°	395.7	411.4	450.3	484.5	497.0
62.5°	359.9	372.3	416.0	450.3	461.2
65°	321.0	335.0	377.1	412.9	423.8
67.5°	283.6	297.6	338.0	374.0	388.0
70°	241.5	257.0	299.1	335.0	348.9
72.5°	202.6	221.2	258.6	296.1	311.6
75°	162.0	183.9	221.2	255.5	269.5
77.5°	126.2	145.0	180.8	204.1	211.8
80°	91.9	110.7	138.7	154.2	163.6
82.5°	62.3	73.2	95.0	105.9	105.9
85°	32.7	42.1	48.3	48.3	46.7
87.5°	10.9	12.5	9.4	4.6	3.1
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)