

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: ITL67615

Luminaire Tested: **Z2-WB-2N5-1C-UNV-22-T1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: ITL67615
Test Lab: INDEPENDENT TESTING LABORATORIES, INC.
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: Z2-WB-2N5-1C-UNV-22-T1
Description: FORMED WHITE PAINTED METAL REFLECTOR, FORMED WHITE PAINTED METAL BALLAST COVER, FABRICATED WHITE PAINTED METAL END PLATES, EXTRUDED CLEAR LINEAR PRISMATIC PLASTIC LENS WITH FROSTED MICRO-LINEAR SIDES AND MOLDED WHITE PLASTIC 39-CELL INTERIOR LOUVER, BOTTOM LENS PRISMS UP AND PARALLEL WITH LAMPS, SIDE PRISMS OUT AND PARALLEL WITH LAMPS.
Light Source: TWO 14-WATT T-5 PHILIPS F14T5/835 LINEAR FLUORESCENTS.
Ballast/Driver: UNIVERSAL B228PUNV-C

Summary

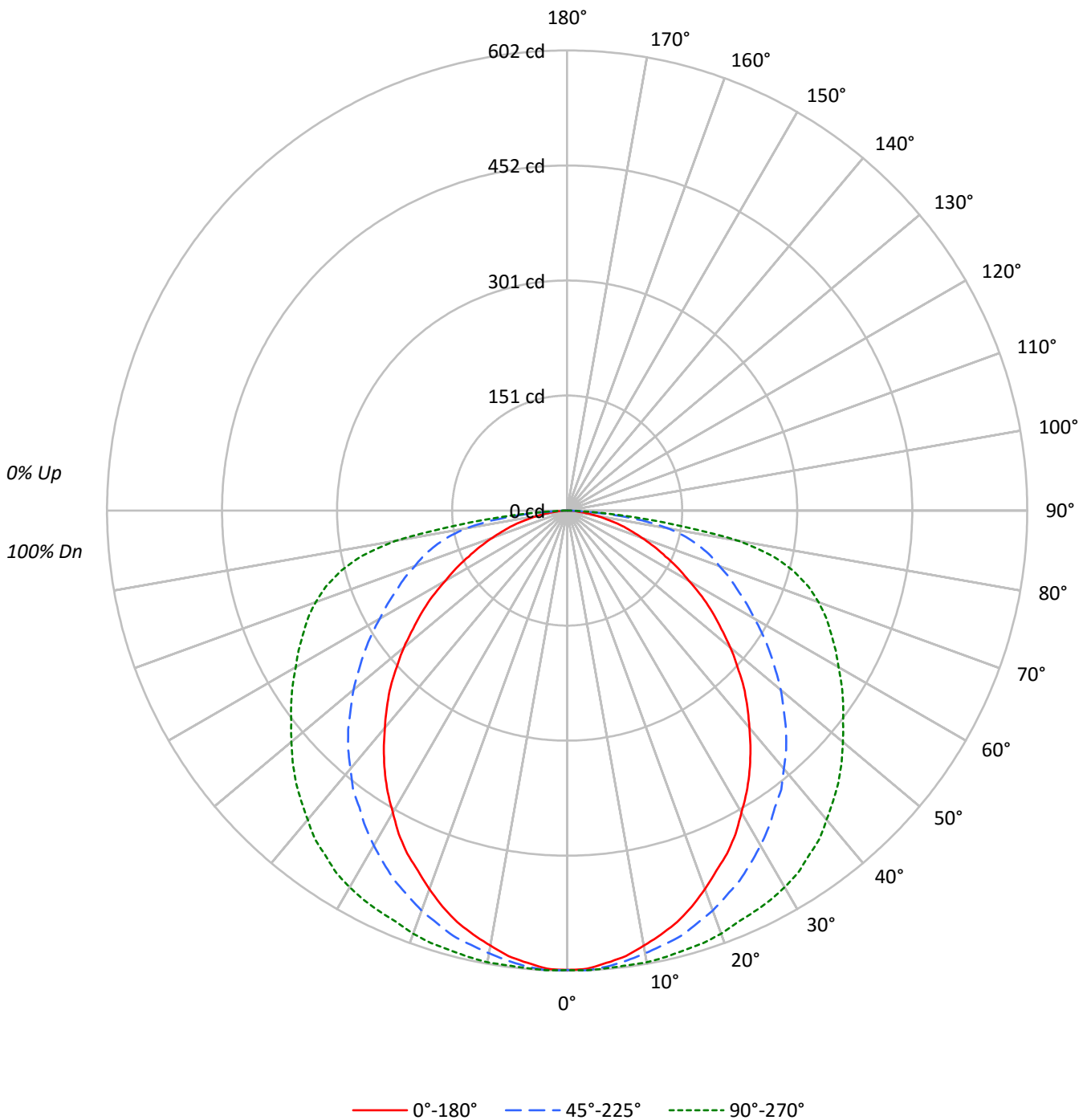
Lumens per Lamp: 1200 (2 lamps)
Luminaire Lumens: 1896.9 lumens
Efficiency: 79.0%
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.41 / 1.39
Luminous Opening: Rectangular (W 1.93' x L: 1.9' x H: 0')
CIE Type: Direct

Input Watts (W): 30.9
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



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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	50	30	10	0													
RCR																																					
0	94	94	94	94	92	92	92	92	88	88	88	84	84	84	81	81	81	79																			
1	85	81	77	73	83	79	75	72	75	73	70	72	70	68	69	67	66	64																			
2	77	69	64	59	74	68	62	58	65	60	57	62	59	55	60	57	54	52																			
3	69	61	54	48	67	59	53	48	57	51	47	55	50	46	52	48	45	43																			
4	63	53	46	40	62	52	45	40	50	44	39	48	43	39	47	42	38	37																			
5	58	47	40	34	56	47	40	34	45	39	34	43	38	34	42	37	33	31																			
6	54	43	35	30	52	42	35	30	40	34	30	39	34	29	38	33	29	27																			
7	50	39	31	26	48	38	31	26	37	31	26	36	30	26	34	29	26	24																			
8	46	35	28	23	45	35	28	23	34	28	23	33	27	23	32	27	23	21																			
9	43	32	26	21	42	32	25	21	31	25	21	30	25	21	29	24	21	19																			
10	40	30	23	19	39	29	23	19	29	23	19	28	23	19	27	22	19	17																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1761	1761	1761
5°	1747	1762	1768
10°	1720	1750	1785
15°	1690	1747	1805
20°	1643	1737	1837
25°	1600	1727	1872
30°	1543	1712	1925
35°	1488	1696	1971
40°	1419	1687	2020
45°	1355	1678	2080
50°	1272	1664	2147
55°	1185	1655	2253
60°	1078	1659	2403
65°	985	1706	2642
70°	891	1816	2999
75°	804	2027	3476
80°	658	2278	3847
85°	471	1816	2353



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	56.9	3.0	2.4
10°-20°	162.6	8.6	6.8
20°-30°	247.1	13.0	10.3
30°-40°	301.0	15.9	12.5
40°-50°	317.0	16.7	13.2
50°-60°	297.6	15.7	12.4
60°-70°	255.1	13.5	10.6
70°-80°	195.4	10.3	8.1
80°-90°	64.3	3.4	2.7
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	466.5	24.6	19.4
0°-40°	767.6	40.5	32.0
0°-60°	1382.1	72.9	57.6
0°-90°	1896.9	100.0	79.0
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1896.9	100.0	79.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	594	597	599	601	601	56
15°	557	564	576	589	595	157
25°	495	509	534	564	579	227
35°	416	438	474	529	551	260
45°	327	354	405	470	502	251
55°	232	263	324	405	441	207
65°	142	177	246	344	381	142
75°	71	105	179	276	307	74
85°	14	34	54	80	70	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	601	601	601	601	601
2.5°	600	601	602	602	602
5°	594	597	599	601	601
7.5°	588	592	594	599	600
10°	578	584	588	597	600
12.5°	568	574	582	594	598
15°	557	564	576	589	595
17.5°	543	552	566	585	593
20°	527	538	557	579	589
22.5°	510	524	545	572	583
25°	495	509	534	564	579
27.5°	477	493	520	556	575
30°	456	474	506	548	569
32.5°	437	456	491	540	562
35°	416	438	474	529	551
37.5°	394	418	460	515	542
40°	371	397	441	502	528
42.5°	349	375	424	486	515
45°	327	354	405	470	502
47.5°	302	332	384	456	487
50°	279	308	365	438	471
52.5°	254	287	344	423	455
55°	232	263	324	405	441
57.5°	209	242	304	390	426
60°	184	217	283	373	410
62.5°	164	197	265	358	396
65°	142	177	246	344	381
67.5°	123	157	230	328	367
70°	104	139	212	314	350
72.5°	87	121	197	295	331
75°	71	105	179	276	307
77.5°	53	89	159	252	276
80°	39	72	135	216	228
82.5°	25	56	99	154	142
85°	14	34	54	80	70
87.5°	6	14	15	25	15
90°	0	0	0	0	0

(END OF REPORT)