

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: ITL67612

Luminaire Tested: **R2-WB-2N5-1C-UNV-22-T1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: ITL67612  
Test Lab: INDEPENDENT TESTING LABORATORIES, INC.  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: R2-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 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**

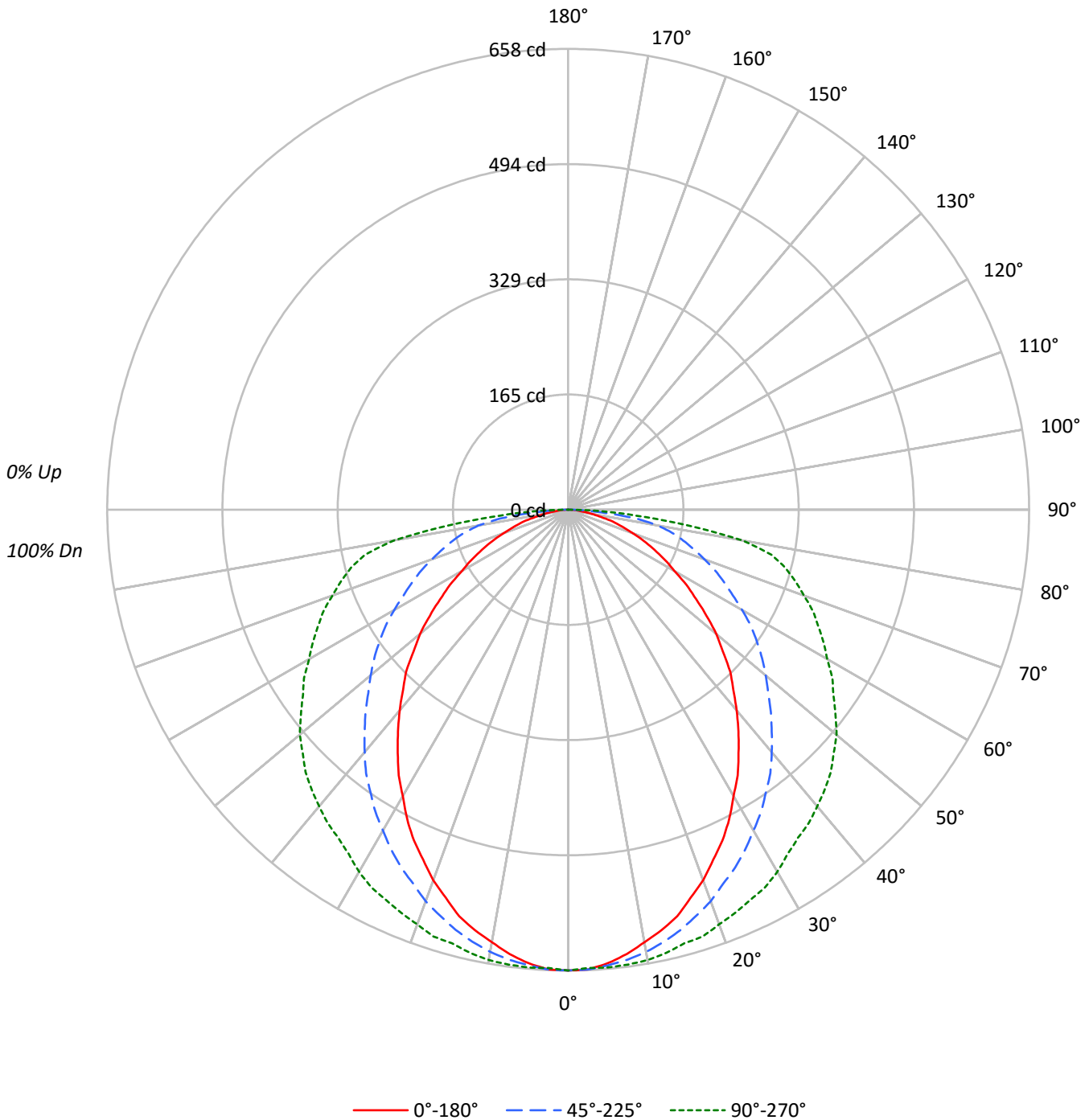
Lumens per Lamp: 1200 (2 lamps)  
Luminaire Lumens: 1943.6 lumens  
Efficiency: 81.0%  
Efficacy: 62.9 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.35 / 1.34  
Luminous Opening: Rectangular (W 1.93' x L: 1.9' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	96	96	96	96	94	94	94	94	90	90	90	86	86	86	83	83	83	81
1	87	83	79	75	85	81	77	74	77	75	72	74	72	70	71	69	68	66
2	79	71	65	60	76	70	64	60	67	62	58	64	60	57	62	59	56	54
3	71	62	55	50	69	61	55	49	59	53	48	56	52	48	54	50	47	45
4	65	55	48	42	63	54	47	42	52	46	41	50	45	40	48	44	40	38
5	60	49	42	36	58	48	41	36	46	40	35	45	39	35	43	38	35	33
6	55	44	37	31	54	43	36	31	42	36	31	41	35	31	39	34	30	29
7	51	40	33	28	50	39	32	27	38	32	27	37	31	27	36	31	27	25
8	48	37	29	25	46	36	29	25	35	29	24	34	28	24	33	28	24	22
9	45	34	27	22	43	33	27	22	32	26	22	31	26	22	30	25	22	20
10	42	31	24	20	41	31	24	20	30	24	20	29	24	20	28	23	20	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1928	1928	1928
5°	1912	1921	1930
10°	1866	1907	1943
15°	1823	1884	1945
20°	1756	1855	1965
25°	1684	1824	1988
30°	1597	1790	2020
35°	1517	1760	2046
40°	1431	1729	2115
45°	1355	1695	2196
50°	1258	1678	2279
55°	1139	1681	2360
60°	1026	1682	2502
65°	943	1706	2732
70°	840	1773	3067
75°	747	1925	3634
80°	574	2194	4252
85°	437	1782	3261



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	61.9	3.2	2.6
10°-20°	175.1	9.0	7.3
20°-30°	260.8	13.4	10.9
30°-40°	310.3	16.0	12.9
40°-50°	323.1	16.6	13.5
50°-60°	300.6	15.5	12.5
60°-70°	253.1	13.0	10.5
70°-80°	191.8	9.9	8.0
80°-90°	66.9	3.4	2.8
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°	497.8	25.6	20.7
0°-40°	808.1	41.6	33.7
0°-60°	1431.8	73.7	59.7
0°-90°	1943.6	100.0	81.0
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°	1943.6	100.0	81.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	650	650	653	655	656	61
15°	601	607	621	635	641	169
25°	521	535	564	598	615	239
35°	424	446	492	544	572	265
45°	327	349	409	490	530	251
55°	223	250	329	421	462	200
65°	136	165	246	347	394	135
75°	66	95	170	273	321	69
85°	13	26	53	84	97	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	658	658	658	658	658
2.5°	657	657	657	656	655
5°	650	650	653	655	656
7.5°	640	641	648	653	655
10°	627	632	641	649	653
12.5°	615	618	632	644	648
15°	601	607	621	635	641
17.5°	581	592	608	626	639
20°	563	573	595	619	630
22.5°	541	555	578	607	623
25°	521	535	564	598	615
27.5°	498	515	547	586	608
30°	472	492	529	575	597
32.5°	450	469	512	562	583
35°	424	446	492	544	572
37.5°	399	420	474	530	564
40°	374	398	452	519	553
42.5°	349	372	430	504	542
45°	327	349	409	490	530
47.5°	299	324	387	475	514
50°	276	299	368	457	500
52.5°	249	275	349	441	481
55°	223	250	329	421	462
57.5°	200	228	309	400	447
60°	175	203	287	380	427
62.5°	156	182	265	363	411
65°	136	165	246	347	394
67.5°	117	145	227	328	378
70°	98	128	207	311	358
72.5°	81	110	188	292	340
75°	66	95	170	273	321
77.5°	48	80	152	253	297
80°	34	62	130	222	252
82.5°	22	46	99	153	172
85°	13	26	53	84	97
87.5°	5	9	21	38	44
90°	0	0	0	0	0

(END OF REPORT)