

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: 26356

Luminaire Tested: **I2-WF-1T8-1C-UNV-04**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 26356
Test Lab: LIGHTING SCIENCES, INC.
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I2-WF-1T8-1C-UNV-04
Description: WITH WHITE INTERIOR AND 30 CELL WHITE PERF BAFFLE

Light Source: ONE SYLVANIA 32 WATT T8 LAMP
FO32/835/ECO. LUMEN RATING = 2950 LMS.

Ballast/Driver: -

Summary

Lumens per Lamp: 2950 (1 lamp)
Luminaire Lumens: 2916.1 lumens
Efficiency: 98.9%
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.6 / 1.39
Luminous Opening: Rectangular (W 0.31' x L: 3.67' x H: 0')
CIE Type: Semi-Indirect

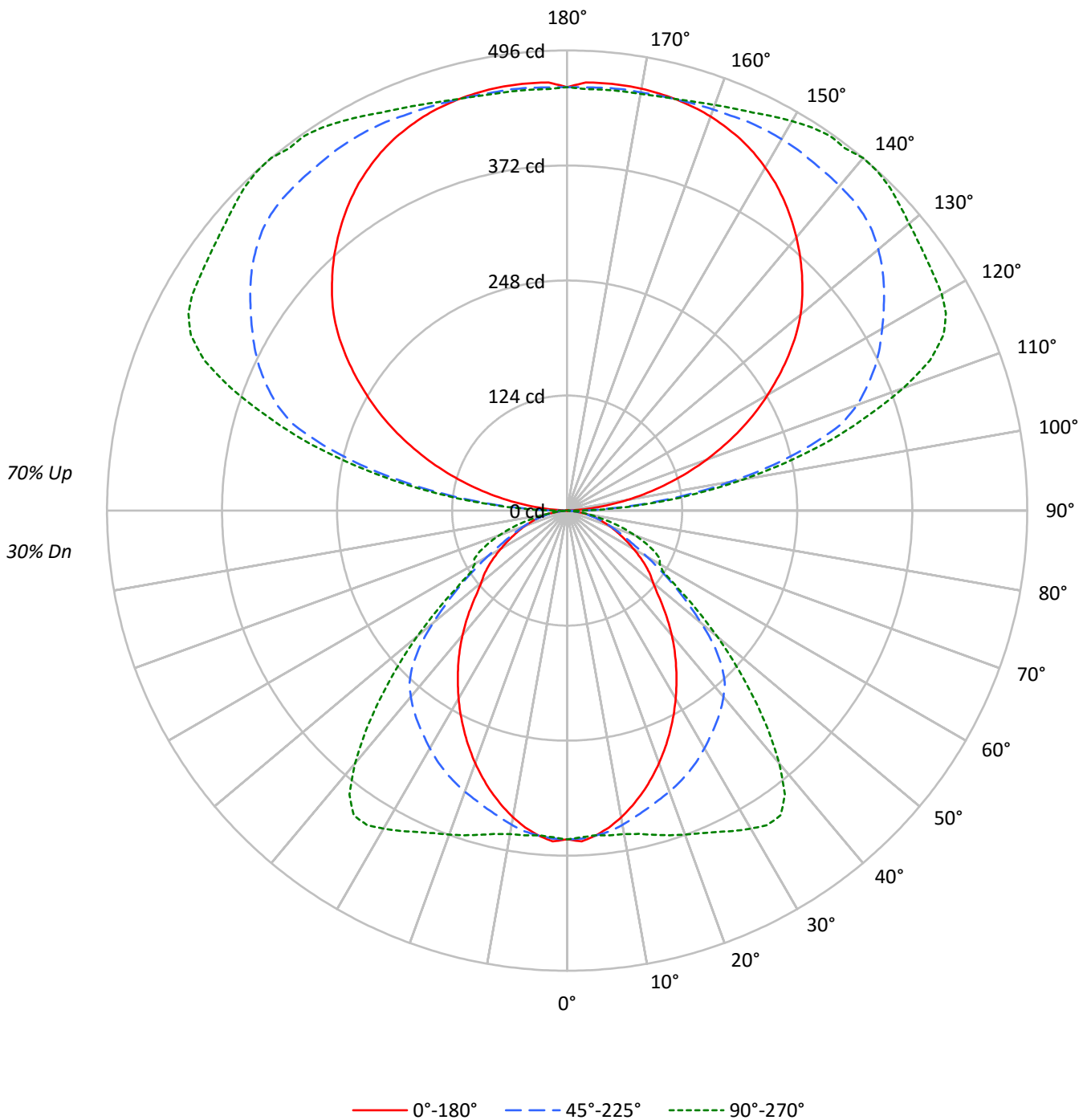
Input Watts (W): 35
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									70									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	101	101	101	101	91	91	91	91	71	71	71	53	53	53	37	37	37	29																				
1	92	88	85	82	83	79	76	74	63	61	59	47	46	45	33	32	32	25																				
2	84	77	72	67	75	70	65	61	55	52	49	42	40	38	29	28	27	22																				
3	77	68	61	56	69	62	56	51	49	45	41	37	35	32	26	25	23	19																				
4	71	60	53	47	63	55	48	43	43	39	35	33	30	28	24	22	20	16																				
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14																				
6	60	48	41	35	53	44	37	32	35	30	27	27	24	21	19	17	16	12																				
7	55	43	36	31	49	39	33	28	32	27	23	24	21	19	18	16	14	11																				
8	51	39	32	27	46	36	29	25	29	24	21	22	19	17	16	14	12	10																				
9	47	36	29	24	42	32	26	22	26	22	18	20	17	15	15	13	11	9																				
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3353	3353	3353
5°	3340	3340	3336
10°	3225	3305	3402
15°	3080	3260	3543
20°	2917	3246	3742
25°	2740	3245	3990
30°	2555	3233	4325
35°	2364	3234	4633
40°	2168	3238	4392
45°	1953	3152	3792
50°	1780	2779	3103
55°	1699	2308	2392
60°	1563	1870	2176
65°	1428	1556	2324
70°	1339	1389	2144
75°	1243	1210	1780
80°	1068	981	1291
85°	510	716	640



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	33.4	1.1	1.1
10°-20°	94.9	3.3	3.2
20°-30°	146.0	5.0	4.9
30°-40°	180.9	6.2	6.1
40°-50°	170.0	5.8	5.8
50°-60°	117.8	4.0	4.0
60°-70°	76.0	2.6	2.6
70°-80°	38.7	1.3	1.3
80°-90°	8.8	0.3	0.3
90°-100°	86.2	3.0	2.9
100°-110°	251.7	8.6	8.5
110°-120°	343.7	11.8	11.7
120°-130°	358.9	12.3	12.2
130°-140°	338.0	11.6	11.5
140°-150°	285.3	9.8	9.7
150°-160°	212.4	7.3	7.2
160°-170°	129.8	4.5	4.4
170°-180°	43.6	1.5	1.5
0°-30°	274.2	9.4	9.3
0°-40°	455.1	15.6	15.4
0°-60°	742.9	25.5	25.2
0°-90°	866.5	29.7	29.4
90°-120°	681.6	23.4	23.1
90°-150°	1663.7	57.1	56.4
90°-180°	2050.0	70.3	69.5
0°-180°	2916.1	100.0	98.9

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	354	354	354	354	354	
5°	352	350	352	354	351	33
15°	314	319	333	354	362	88
25°	262	274	311	358	382	121
35°	205	223	280	360	401	128
45°	146	168	236	269	283	113
55°	103	111	140	145	145	92
65°	64	69	70	87	104	64
75°	34	31	33	40	49	36
85°	5	5	7	6	6	7
90°	0	2	10	14	13	1
95°	22	71	83	91	92	27
105°	112	199	272	289	295	119
115°	206	278	366	430	448	203
125°	291	344	417	460	473	260
135°	358	390	452	486	492	276
145°	408	423	460	488	493	255
155°	442	446	462	471	473	204
165°	458	456	458	458	459	130
175°	462	458	457	455	455	44
180°	456	456	456	456	456	



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CATALOG NUMBER: I2-WF-1T8-1C-UNV-04

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	354.4	354.4	354.4	354.4	354.4
2.5°	356.9	354.0	353.9	354.1	352.4
5°	351.7	349.6	351.7	354.2	351.3
7.5°	344.6	344.5	348.9	353.2	353.0
10°	335.7	336.8	344.0	352.2	354.1
12.5°	325.6	328.3	338.1	352.4	356.9
15°	314.4	318.9	332.8	353.6	361.7
17.5°	302.4	308.4	327.3	354.7	366.9
20°	289.7	297.1	322.4	356.2	371.7
22.5°	276.4	285.4	316.8	357.0	376.3
25°	262.5	273.6	310.8	357.5	382.2
27.5°	248.4	261.4	303.7	358.9	389.2
30°	233.9	248.7	295.9	360.1	395.9
32.5°	219.3	236.0	287.8	360.4	401.8
35°	204.7	223.2	280.0	360.2	401.1
37.5°	190.2	209.9	271.6	351.5	385.6
40°	175.5	196.6	262.2	332.2	355.6
42.5°	160.7	182.7	251.6	301.2	320.6
45°	146.0	168.1	235.6	268.6	283.4
47.5°	131.8	153.8	214.4	235.0	246.6
50°	120.9	138.9	188.8	203.4	210.8
52.5°	112.6	124.0	163.6	173.4	177.3
55°	103.0	110.9	139.9	144.8	145.0
57.5°	92.8	100.0	118.4	118.4	122.4
60°	82.6	89.5	98.8	101.6	115.0
62.5°	73.3	79.2	82.5	93.7	112.8
65°	63.8	68.6	69.5	86.6	103.8
67.5°	55.9	58.0	59.4	75.0	91.2
70°	48.4	48.2	50.2	62.8	77.5
72.5°	40.6	39.2	41.3	50.8	63.8
75°	34.0	31.1	33.1	39.6	48.7
77.5°	26.9	23.5	25.1	29.2	34.9
80°	19.6	16.8	18.0	20.3	23.7
82.5°	12.2	10.5	11.5	12.7	13.9
85°	4.7	4.7	6.6	6.4	5.9
87.5°	0.0	0.6	2.4	1.4	0.8
90°	0.0	2.2	9.8	13.7	13.3
92.5°	4.2	29.6	41.8	47.6	47.8
95°	22.5	71.2	83.4	91.0	91.7
97.5°	43.0	115.1	130.8	139.6	140.5
100°	65.5	154.0	179.6	188.4	192.7
102.5°	89.0	178.7	227.9	240.8	243.5
105°	112.1	199.4	271.8	288.7	294.9
107.5°	135.8	218.2	310.1	335.8	340.3
110°	159.6	237.5	332.8	377.7	385.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	182.7	257.9	350.1	410.9	423.5
115°	205.9	277.5	366.3	429.6	447.6
117.5°	228.3	295.6	379.8	440.5	460.3
120°	249.6	312.6	392.2	448.2	466.4
122.5°	270.7	328.8	404.6	454.8	469.3
125°	291.2	343.8	417.1	460.5	472.8
127.5°	311.0	357.8	428.4	466.5	476.7
130°	328.6	369.7	437.9	473.5	481.1
132.5°	343.8	380.0	446.2	480.8	486.6
135°	358.1	390.0	451.7	485.9	492.1
137.5°	371.8	397.6	455.1	488.3	495.5
140°	384.5	405.6	457.0	489.4	496.2
142.5°	396.5	413.8	458.4	487.6	492.1
145°	407.9	422.8	459.7	487.8	493.4
147.5°	418.2	430.3	461.7	484.5	489.8
150°	427.0	436.2	462.4	480.6	484.7
152.5°	435.1	441.1	462.6	475.3	479.1
155°	441.9	445.6	462.2	471.1	473.4
157.5°	447.3	448.7	460.8	467.2	469.1
160°	452.1	451.4	460.1	464.1	465.3
162.5°	455.7	453.8	459.4	460.9	461.8
165°	458.3	456.0	458.4	457.9	459.0
167.5°	460.4	457.4	458.2	455.6	457.3
170°	461.8	458.5	457.7	454.1	456.0
172.5°	462.4	458.7	458.0	454.2	455.8
175°	462.4	458.0	457.4	454.6	455.3
177.5°	461.9	457.0	456.5	453.7	454.8
180°	456.3	456.3	456.3	456.3	456.3

(END OF REPORT)