

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: 26358

Luminaire Tested: **I2-WF-2T8-1C-UNV-04**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 26358
Test Lab: LIGHTING SCIENCES, INC.
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I2-WF-2T8-1C-UNV-04
Description: WITH WHITE INTERIOR AND 30 CELL WHITE PERF BAFFLE

Light Source: TWO SYLVANIA 32 WATT T8 LAMPS

FO32/835/ECO. LUMEN RATING = 2950 LMS.

Ballast/Driver: -

Summary

Lumens per Lamp: 2950 (2 lamps)
Luminaire Lumens: 5670.0 lumens
Efficiency: 96.1%
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.02 / 1.11
Luminous Opening: Rectangular (W 0.31' x L: 3.67' x H: 0')
CIE Type: Semi-Indirect

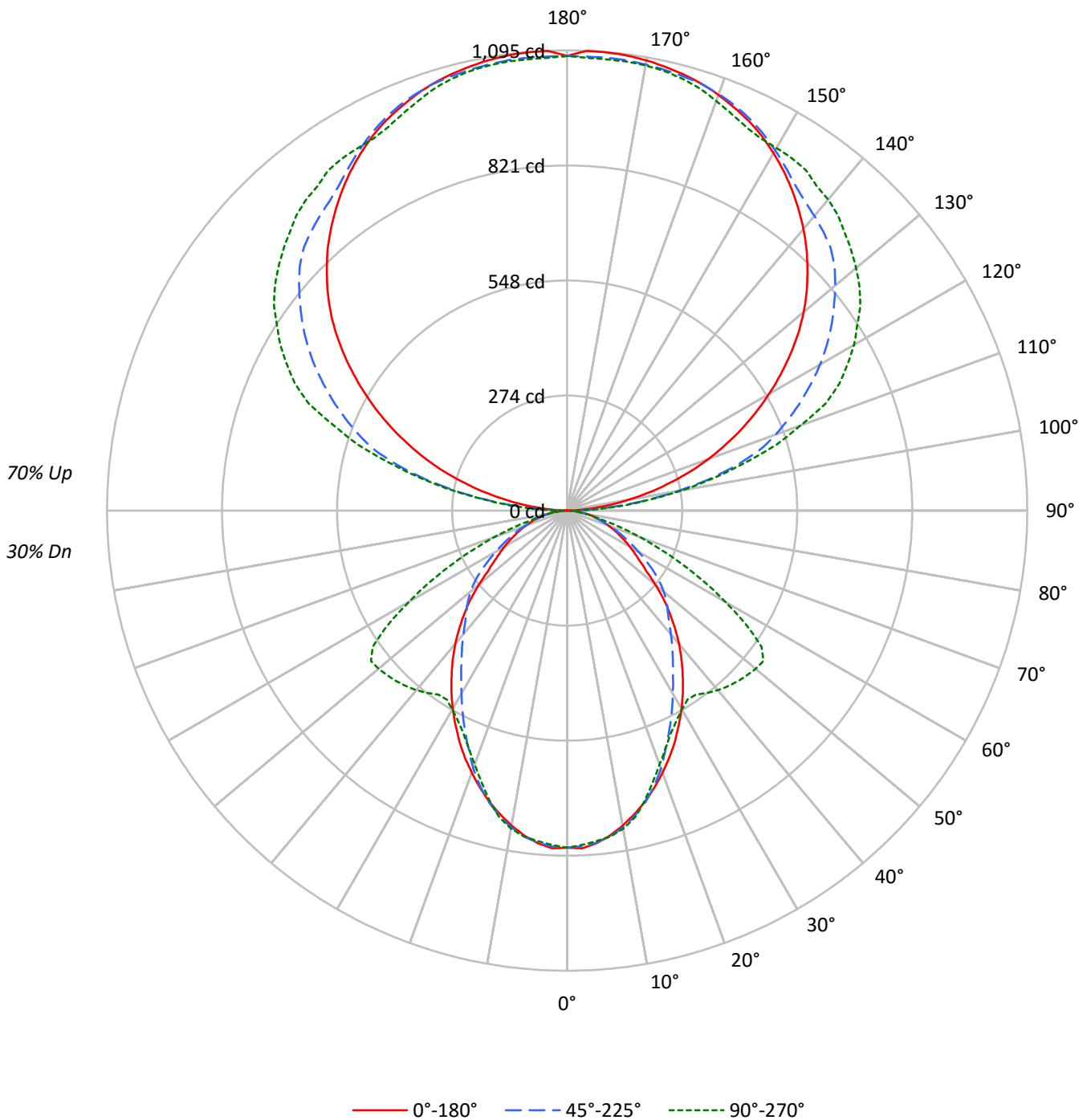
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: 26358

CATALOG NUMBER: I2-WF-2T8-1C-UNV-04

Luminous Intensity Polar Plot





TEST NUMBER: 26358

CATALOG NUMBER: I2-WF-2T8-1C-UNV-04

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	98	98	98	98	88	88	88	88	70	70	70		52	52	52		37	37	37	29
1	90	86	82	79	81	77	74	72	61	59	57		46	45	44		33	32	31	25
2	82	75	70	65	73	68	63	59	54	50	48		41	39	37		29	28	26	21
3	75	66	59	54	67	60	54	49	47	43	40		36	33	31		26	24	23	18
4	68	58	51	46	61	53	47	42	42	38	34		32	29	27		23	21	20	16
5	63	52	45	39	56	47	41	36	38	33	29		29	26	23		21	19	17	14
6	58	47	39	34	52	42	36	31	34	29	26		26	23	20		19	17	15	12
7	53	42	35	29	48	38	32	27	31	26	22		24	20	18		17	15	13	11
8	49	38	31	26	44	35	28	24	28	23	20		22	18	16		16	14	12	10
9	46	35	28	23	41	31	25	21	26	21	18		20	17	14		15	12	11	9
10	43	32	25	21	38	29	23	19	23	19	16		18	15	13		14	11	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7588	7588	7588
5°	7547	7537	7501
10°	7310	7353	7381
15°	7018	7038	6992
20°	6680	6571	6475
25°	6329	6010	6099
30°	5946	5495	5970
35°	5538	5062	6175
40°	5111	4743	6890
45°	4623	4532	7681
50°	4024	4416	8621
55°	3510	4132	9313
60°	3268	3703	8233
65°	3049	3354	6761
70°	2891	2985	5062
75°	2826	2632	3246
80°	2642	2348	2474
85°	2193	2366	1943



TEST NUMBER: 26358

CATALOG NUMBER: I2-WF-2T8-1C-UNV-04

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	74.9	1.3	1.3
10°-20°	200.8	3.5	3.4
20°-30°	270.6	4.8	4.6
30°-40°	297.9	5.3	5.0
40°-50°	307.1	5.4	5.2
50°-60°	280.2	4.9	4.7
60°-70°	182.3	3.2	3.1
70°-80°	83.6	1.5	1.4
80°-90°	25.0	0.4	0.4
90°-100°	126.5	2.2	2.1
100°-110°	400.6	7.1	6.8
110°-120°	594.0	10.5	10.1
120°-130°	675.8	11.9	11.5
130°-140°	675.4	11.9	11.4
140°-150°	599.6	10.6	10.2
150°-160°	470.9	8.3	8.0
160°-170°	301.6	5.3	5.1
170°-180°	103.1	1.8	1.7
0°-30°	546.3	9.6	9.3
0°-40°	844.2	14.9	14.3
0°-60°	1431.4	25.2	24.3
0°-90°	1722.3	30.4	29.2
90°-120°	1121.2	19.8	19.0
90°-150°	3072.1	54.2	52.1
90°-180°	3948.0	69.6	66.9
0°-180°	5670.0	100.0	96.1

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	795	792	794	797	790	75
15°	716	717	718	719	714	201
25°	606	603	576	576	584	279
35°	480	462	438	483	535	300
45°	346	322	339	470	574	266
55°	213	210	250	425	565	193
65°	136	134	150	227	302	136
75°	77	69	72	82	89	81
85°	20	20	22	22	18	22
90°	0	7	15	18	13	3
95°	56	105	118	125	130	65
105°	252	330	417	434	436	266
115°	457	525	613	687	714	452
125°	648	682	768	827	852	579
135°	809	823	886	923	934	624
145°	932	942	946	979	990	584
155°	1023	1023	1028	1012	1007	472
165°	1074	1065	1070	1065	1063	304
175°	1094	1082	1082	1077	1078	104
180°	1082	1082	1082	1082	1082	



TEST NUMBER: 26358

CATALOG NUMBER: I2-WF-2T8-1C-UNV-04

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	802.0	802.0	802.0	802.0	802.0
2.5°	804.6	800.9	799.8	801.9	796.4
5°	794.7	791.7	793.6	796.6	789.8
7.5°	780.0	778.5	782.2	786.0	782.4
10°	760.9	760.6	765.4	770.3	768.3
12.5°	739.9	739.8	743.5	750.0	747.1
15°	716.5	717.0	718.5	719.3	713.8
17.5°	691.1	691.2	687.9	680.7	677.5
20°	663.5	663.5	652.6	643.8	643.1
22.5°	635.8	634.4	613.1	608.2	611.7
25°	606.3	603.0	575.7	575.5	584.2
27.5°	575.3	570.1	539.0	546.4	563.0
30°	544.3	535.4	503.0	522.6	546.5
32.5°	512.8	499.0	468.8	501.2	533.1
35°	479.5	462.3	438.3	483.4	534.6
37.5°	446.9	426.3	410.8	477.3	546.8
40°	413.8	390.2	384.0	477.6	557.9
42.5°	379.4	355.2	358.9	475.2	566.6
45°	345.5	321.5	338.7	470.5	574.1
47.5°	310.7	288.8	320.7	463.2	580.4
50°	273.4	258.6	300.0	453.3	585.7
52.5°	238.6	232.4	277.0	441.7	588.3
55°	212.8	210.5	250.5	424.7	564.6
57.5°	191.2	190.1	222.4	389.8	504.9
60°	172.7	170.9	195.7	335.0	435.1
62.5°	154.0	152.4	172.2	280.5	368.7
65°	136.2	134.4	149.8	227.4	302.0
67.5°	120.8	116.5	128.5	180.4	239.2
70°	104.5	99.6	107.9	140.1	183.0
72.5°	89.8	84.0	88.9	107.9	132.8
75°	77.3	69.0	72.0	82.1	88.8
77.5°	62.6	55.0	56.7	61.6	63.3
80°	48.5	42.2	43.1	46.0	45.4
82.5°	34.5	30.0	31.3	32.9	30.6
85°	20.2	19.5	21.8	21.7	17.9
87.5°	7.2	11.5	14.1	13.0	7.2
90°	0.0	7.1	15.1	17.7	13.4
92.5°	16.9	42.0	56.4	60.7	60.4
95°	56.0	105.4	118.4	125.4	129.5
97.5°	100.4	172.5	190.8	192.9	195.1
100°	149.7	231.6	268.7	273.4	277.0
102.5°	200.0	281.0	345.9	352.7	356.5
105°	251.5	329.8	417.4	434.3	435.7
107.5°	305.1	381.6	481.4	514.3	522.6
110°	356.5	430.3	527.5	582.5	589.7



TEST NUMBER: 26358

CATALOG NUMBER: I2-WF-2T8-1C-UNV-04

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	406.9	478.2	570.5	646.0	665.2
115°	457.2	524.6	613.4	686.7	714.5
117.5°	506.2	569.0	654.2	724.0	751.8
120°	554.5	608.7	695.2	761.6	788.4
122.5°	602.0	645.6	732.4	794.4	818.4
125°	648.3	681.8	768.0	826.9	851.7
127.5°	693.1	718.0	800.4	852.4	876.9
130°	735.0	753.7	832.7	877.4	897.5
132.5°	773.1	789.0	862.9	902.0	917.0
135°	808.7	823.3	886.0	922.6	934.3
137.5°	843.4	853.8	901.5	941.2	953.2
140°	874.9	883.8	915.2	958.6	966.3
142.5°	904.5	914.4	928.5	969.2	974.3
145°	932.5	942.3	945.5	979.3	989.7
147.5°	958.4	967.5	967.9	985.3	994.3
150°	982.0	989.2	990.0	989.4	996.3
152.5°	1004.5	1007.4	1010.7	998.1	998.0
155°	1022.9	1022.9	1028.5	1011.9	1007.2
157.5°	1038.3	1035.5	1043.2	1027.6	1022.0
160°	1052.7	1046.5	1054.8	1042.6	1037.0
162.5°	1064.7	1056.5	1064.3	1056.7	1052.7
165°	1074.1	1064.9	1069.5	1065.1	1063.2
167.5°	1081.4	1071.6	1074.1	1070.4	1071.1
170°	1087.9	1076.5	1077.6	1072.0	1075.5
172.5°	1092.2	1080.3	1080.7	1074.6	1077.6
175°	1094.5	1081.6	1081.6	1077.1	1077.8
177.5°	1095.0	1081.6	1081.2	1076.3	1078.2
180°	1081.8	1081.8	1081.8	1081.8	1081.8

(END OF REPORT)