

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: 17685

Luminaire Tested: **IP-WP-1T8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 17685
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: IP-WP-1T8
Description: CORELITE - DIRECT/INDIRECT SUSPENDED LUMINAIRE - IRIIDIUM PERF

WITH WHITE INTERIOR AND WHITE LENS OVER PERFORATIONS

Light Source: ONE PHILIPS 32 WATT T8 LAMP

F32T8/TL841. LUMEN RATING = 3000 LMS.

Ballast/Driver: -

Summary

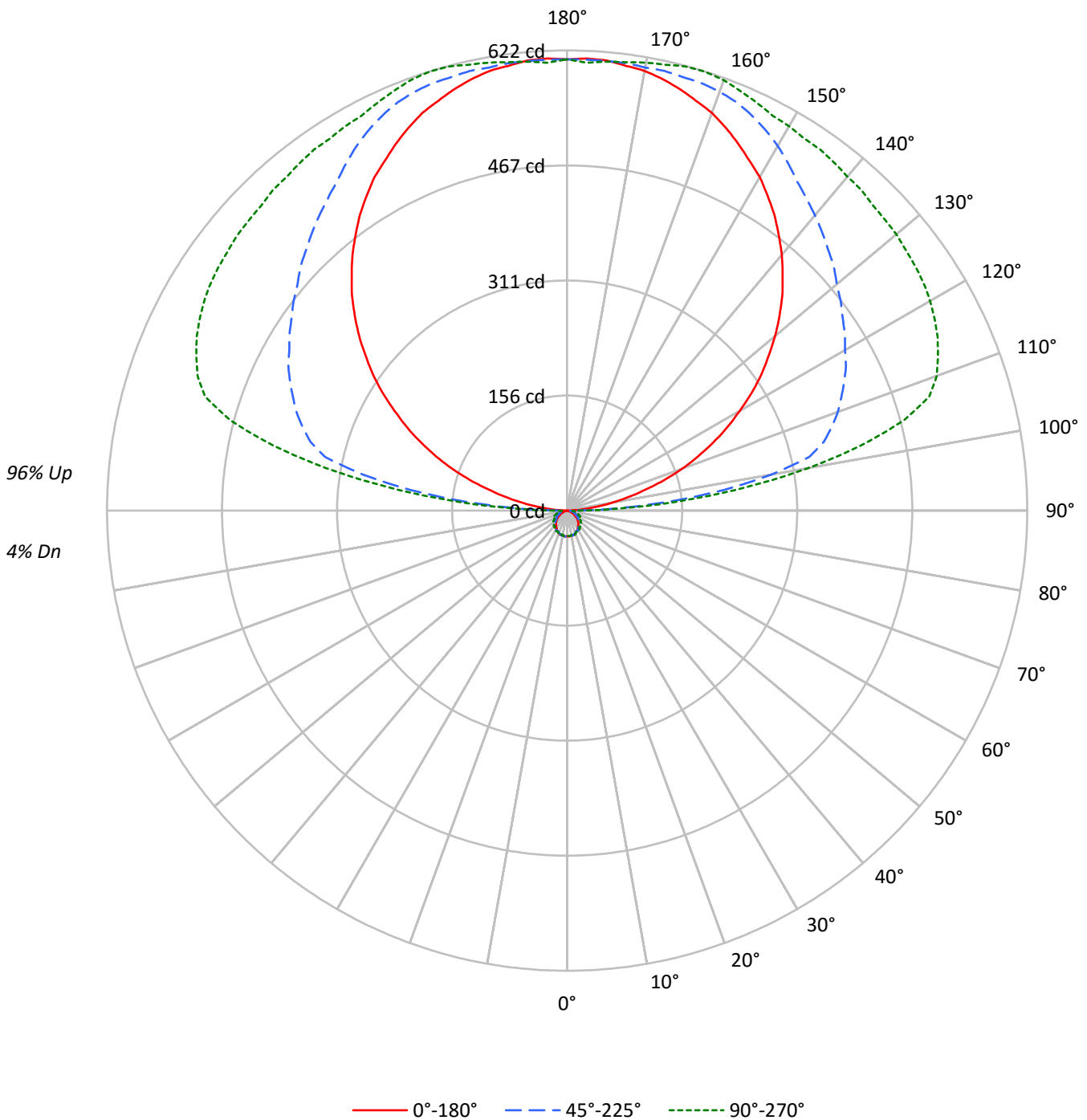
Lumens per Lamp: 3000 (1 lamp)
Luminaire Lumens: 2602.4 lumens
Efficiency: 86.7%
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.34' x L: 3.67' x H: 0.08')
CIE Type: Indirect

Input Watts (W): 32
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				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	83	83	83	83	72	72	72	72	50	50	50		30	30	30		12	12	12	4
1	76	72	69	66	65	62	60	57	44	42	41		26	26	25		10	10	10	3
2	69	63	58	54	59	54	50	47	38	36	33		23	22	21		9	9	8	2
3	63	55	49	45	54	48	43	39	33	30	28		20	19	17		8	8	7	2
4	57	49	42	38	49	42	37	33	30	26	24		18	16	15		7	7	6	2
5	52	43	37	32	45	37	32	28	26	23	20		16	14	13		6	6	5	1
6	48	38	32	27	41	33	28	24	23	20	17		14	12	11		6	5	4	1
7	44	34	28	24	38	30	24	21	21	18	15		13	11	9		5	4	4	1
8	41	31	25	20	35	27	22	18	19	16	13		12	10	8		5	4	3	1
9	38	28	22	18	32	24	19	16	17	14	11		11	9	7		4	4	3	1
10	35	25	20	16	30	22	17	14	16	12	10		10	8	6		4	3	3	1

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	298	298	298
5°	306	302	293
10°	298	286	279
15°	304	284	276
20°	291	275	281
25°	285	261	267
30°	276	271	269
35°	268	262	269
40°	262	239	263
45°	251	234	255
50°	234	213	243
55°	204	203	236
60°	181	214	237
65°	137	198	250
70°	126	192	254
75°	83	167	248
80°	57	171	232
85°	40	129	223



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	3.3	0.1	0.1
10°-20°	9.4	0.4	0.3
20°-30°	14.2	0.5	0.5
30°-40°	17.0	0.7	0.6
40°-50°	17.6	0.7	0.6
50°-60°	16.0	0.6	0.5
60°-70°	12.9	0.5	0.4
70°-80°	9.0	0.3	0.3
80°-90°	6.0	0.2	0.2
90°-100°	133.3	5.1	4.4
100°-110°	335.7	12.9	11.2
110°-120°	394.8	15.2	13.2
120°-130°	404.2	15.5	13.5
130°-140°	387.5	14.9	12.9
140°-150°	342.3	13.2	11.4
150°-160°	269.4	10.4	9.0
160°-170°	171.5	6.6	5.7
170°-180°	58.2	2.2	1.9
0°-30°	26.9	1.0	0.9
0°-40°	43.9	1.7	1.5
0°-60°	77.5	3.0	2.6
0°-90°	105.5	4.1	3.5
90°-120°	863.9	33.2	28.8
90°-150°	1997.8	76.8	66.6
90°-180°	2497.0	96.0	83.2
0°-180°	2602.4	100.0	86.7

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35	35	35	35	35	
5°	35	35	35	34	34	3
15°	34	33	33	33	33	10
25°	30	30	30	31	31	14
35°	26	26	28	28	30	16
45°	21	22	23	24	26	16
55°	14	14	17	21	21	13
65°	7	9	14	16	18	8
75°	3	5	8	12	14	3
85°	0	2	4	7	8	1
90°	0	3	11	19	18	1
95°	22	102	137	149	159	27
105°	110	217	359	438	471	118
115°	218	284	413	510	553	216
125°	320	358	454	539	575	286
135°	411	451	499	558	584	317
145°	488	525	542	579	596	305
155°	547	567	590	602	608	252
165°	590	598	606	616	621	166
175°	611	614	610	607	609	58
180°	610	610	610	610	610	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	34.6	34.6	34.6	34.6	34.6
2.5°	34.7	34.2	34.2	34.2	34.5
5°	35.4	34.7	35.4	34.2	34.5
7.5°	34.5	34.2	34.5	34.2	34.5
10°	34.1	33.7	33.7	33.7	33.2
12.5°	34.2	33.7	34.7	33.7	33.7
15°	34.2	32.9	33.3	32.8	32.8
17.5°	33.7	33.2	33.2	32.9	34.2
20°	32.0	31.6	31.9	32.4	33.2
22.5°	31.6	31.1	31.6	31.6	31.6
25°	30.2	30.1	29.8	31.1	31.1
27.5°	30.1	28.5	31.1	30.2	31.9
30°	28.1	28.9	30.1	29.3	30.7
32.5°	28.0	26.8	27.5	29.3	30.7
35°	25.8	25.8	28.0	28.0	29.8
37.5°	24.2	25.0	25.8	27.1	27.1
40°	23.7	22.7	24.5	27.6	28.0
42.5°	22.4	22.4	23.2	25.8	26.7
45°	21.0	21.5	22.7	24.5	25.8
47.5°	19.3	18.9	21.9	22.8	25.5
50°	17.9	17.9	19.3	23.2	23.2
52.5°	16.3	16.3	19.3	20.9	24.0
55°	14.0	14.5	17.0	21.0	21.0
57.5°	12.7	13.2	17.0	20.6	20.6
60°	10.9	12.2	16.3	18.4	19.3
62.5°	9.6	10.5	13.6	17.9	20.6
65°	7.0	9.1	13.5	16.1	18.4
67.5°	6.1	7.9	12.2	14.8	18.8
70°	5.3	7.0	11.4	14.5	16.6
72.5°	3.5	6.1	10.5	13.2	15.3
75°	2.7	4.8	8.4	12.3	14.0
77.5°	2.2	4.0	7.4	10.5	12.3
80°	1.3	3.1	7.0	9.7	10.9
82.5°	1.3	3.1	6.1	8.3	10.1
85°	0.5	1.7	4.0	7.1	8.3
87.5°	0.5	0.5	3.5	5.3	7.4
90°	0.5	3.4	10.9	19.4	17.7
92.5°	6.6	45.5	63.9	70.0	77.4
95°	22.4	102.4	137.0	148.9	159.2
97.5°	40.3	153.2	213.5	231.9	246.3
100°	63.1	185.9	280.1	329.5	331.6
102.5°	85.8	194.2	335.2	364.0	407.3
105°	109.9	217.1	359.2	438.0	471.2
107.5°	137.9	232.3	375.0	472.1	513.3
110°	165.5	248.9	389.4	490.1	531.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	191.7	266.9	401.2	501.0	542.5
115°	217.9	284.4	413.4	510.5	552.6
117.5°	244.2	304.6	424.9	519.7	560.1
120°	269.1	323.2	433.6	526.4	566.6
122.5°	295.4	348.2	445.0	536.1	571.5
125°	320.3	357.9	454.5	538.6	574.9
127.5°	343.1	382.0	466.0	544.2	577.5
130°	367.1	405.1	475.7	548.6	581.0
132.5°	389.1	428.8	488.8	553.1	582.3
135°	411.3	450.7	498.8	558.3	584.1
137.5°	431.0	469.9	510.2	563.1	588.1
140°	451.6	488.7	521.0	567.9	589.4
142.5°	469.6	505.9	531.6	573.6	592.8
145°	488.3	524.6	542.5	579.2	595.9
147.5°	504.4	531.2	556.2	581.5	596.3
150°	520.7	546.1	569.2	585.4	599.9
152.5°	533.3	556.5	580.2	592.0	601.7
155°	547.3	566.6	589.8	601.7	607.8
157.5°	560.1	576.2	597.7	607.4	613.5
160°	571.9	583.6	602.5	612.2	619.1
162.5°	580.6	591.6	605.6	615.2	621.7
165°	589.8	598.1	606.4	615.6	621.4
167.5°	597.3	605.1	608.6	613.4	617.3
170°	603.5	606.9	608.1	611.7	614.8
172.5°	606.4	610.9	610.0	609.1	611.3
175°	610.7	613.9	610.0	607.3	609.1
177.5°	611.7	614.8	609.9	605.5	606.0
180°	609.9	609.9	609.9	609.9	609.9

(END OF REPORT)