

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: 20671

Luminaire Tested: **IQ-WB-2T8-DL6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 20671
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: IQ-WB-2T8-DL6
Description: WHITE INTERIOR WITH WHITE PERF LOUVER AND SLIDE N LOCK WHITE REFLECTORS
Light Source: TWO PHILIPS 32 WATT T8 LAMPS

F32T8/TL841. LUMEN RATING = 3000 LMS.

Ballast/Driver: -

Summary

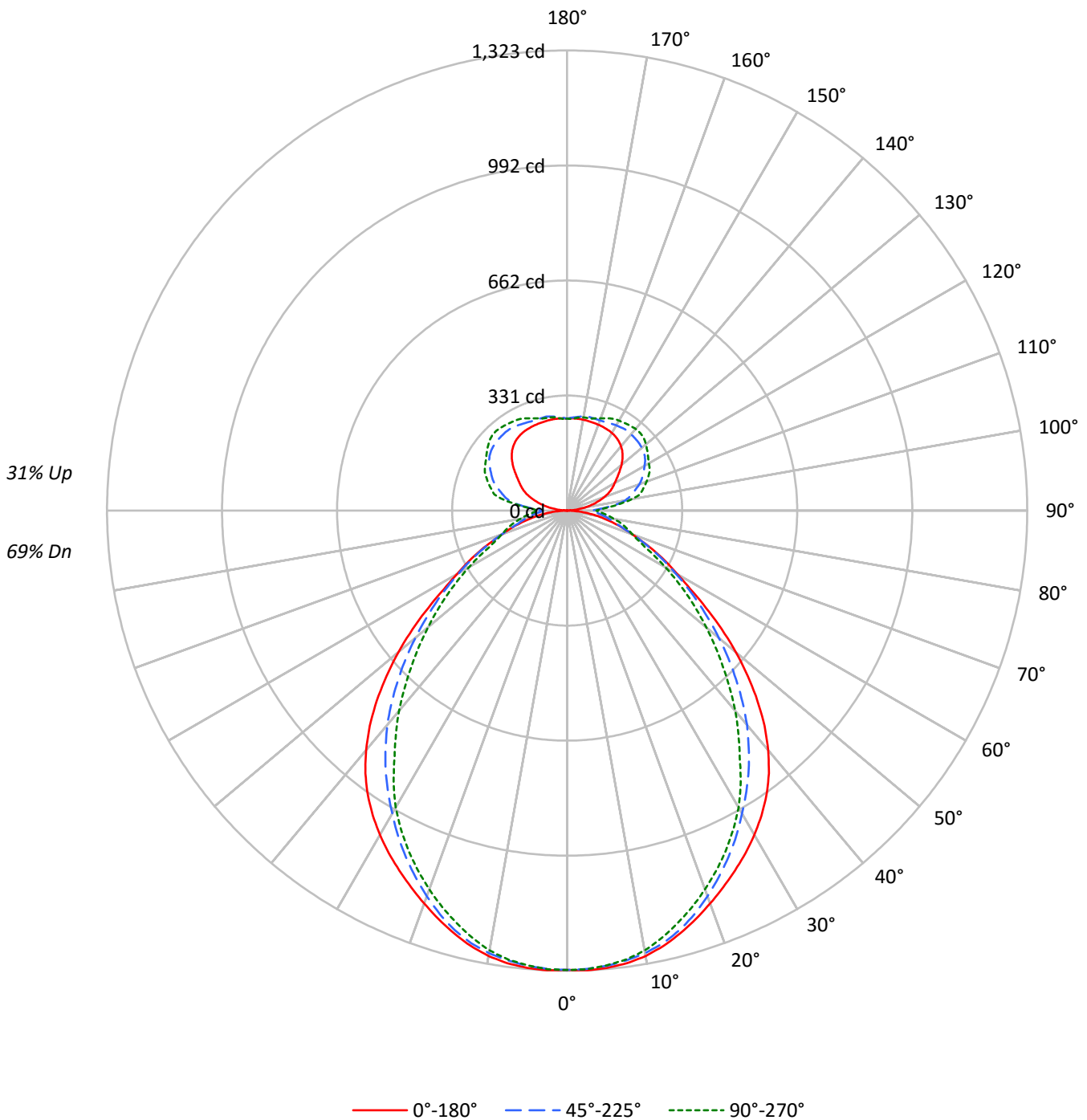
Lumens per Lamp: 3000 (2 lamps)
Luminaire Lumens: 4394.8 lumens
Efficiency: 73.2%
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.13 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.32' x L: 3.67' x H: 0.06')
CIE Type: Semi-Direct

Input Watts (W): 60
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	82	82	82	82	77	77	77	77	69	69	69	61	61	61	54	54	54	50
1	75	72	69	66	71	68	65	63	60	58	57	54	52	51	48	47	46	43
2	68	63	58	54	64	60	56	52	53	50	48	48	45	43	42	41	39	36
3	63	56	50	46	59	53	48	44	47	44	40	42	39	37	38	36	34	31
4	58	50	44	39	54	47	42	38	42	38	35	38	35	32	34	31	29	27
5	53	44	38	34	50	42	37	33	38	34	30	34	31	28	31	28	26	24
6	49	40	34	30	46	38	33	29	35	30	27	31	28	25	28	25	23	21
7	46	36	30	26	43	35	29	25	32	27	24	29	25	22	26	23	20	19
8	42	33	27	24	40	32	26	23	29	25	21	26	23	20	24	21	18	17
9	40	30	25	21	37	29	24	21	27	22	19	24	21	18	22	19	17	15
10	37	28	23	19	35	27	22	19	25	20	17	23	19	16	21	18	15	14

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12105	12105	12105
5°	12125	11936	11879
10°	12068	11728	11571
15°	11884	11410	11093
20°	11657	10932	10582
25°	11459	10403	10035
30°	11286	9829	9417
35°	11055	9249	8554
40°	10617	8587	7778
45°	9872	7780	6909
50°	8856	6934	6085
55°	7598	6086	5284
60°	6510	5278	4514
65°	5854	4526	3802
70°	5098	3818	3528
75°	4653	3394	3544
80°	4154	3395	3474
85°	3314	3539	3577



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	124.7	2.8	2.1
10°-20°	350.3	8.0	5.8
20°-30°	508.8	11.6	8.5
30°-40°	575.4	13.1	9.6
40°-50°	536.3	12.2	8.9
50°-60°	413.0	9.4	6.9
60°-70°	268.5	6.1	4.5
70°-80°	161.4	3.7	2.7
80°-90°	89.3	2.0	1.5
90°-100°	110.3	2.5	1.8
100°-110°	190.7	4.3	3.2
110°-120°	219.7	5.0	3.7
120°-130°	225.3	5.1	3.8
130°-140°	212.0	4.8	3.5
140°-150°	176.5	4.0	2.9
150°-160°	129.1	2.9	2.2
160°-170°	77.5	1.8	1.3
170°-180°	25.7	0.6	0.4
0°-30°	983.9	22.4	16.4
0°-40°	1559.3	35.5	26.0
0°-60°	2508.6	57.1	41.8
0°-90°	3027.8	68.9	50.5
90°-120°	520.8	11.9	8.7
90°-150°	1134.6	25.8	18.9
90°-180°	1367.0	31.1	22.8
0°-180°	4394.8	100.0	73.2

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1321	1321	1321	1321	1321	
5°	1320	1312	1314	1314	1312	125
15°	1258	1252	1249	1237	1228	354
25°	1142	1125	1098	1090	1079	526
35°	999	960	910	884	865	623
45°	774	747	687	646	633	595
55°	487	500	459	429	419	439
65°	279	283	273	253	246	277
75°	139	138	147	164	170	148
85°	37	57	89	104	107	40
90°	0	39	71	82	84	3
95°	22	87	118	124	125	24
105°	84	157	195	220	224	88
115°	139	191	240	260	261	136
125°	179	217	273	286	283	161
135°	225	243	284	307	305	173
145°	252	260	286	302	303	157
155°	261	270	279	291	292	121
165°	264	270	276	276	274	75
175°	266	266	269	269	267	25
180°	264	264	264	264	264	



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CATALOG NUMBER: IQ-WB-2T8-DL6

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.7	1320.7	1320.7	1320.7	1320.7
2.5°	1323.0	1315.1	1318.8	1319.2	1319.7
5°	1319.7	1312.2	1313.7	1314.5	1312.3
7.5°	1312.8	1304.5	1304.4	1303.8	1301.6
10°	1300.4	1293.2	1292.2	1288.0	1284.4
12.5°	1282.1	1275.6	1273.9	1264.9	1258.6
15°	1257.9	1252.1	1248.9	1236.9	1227.8
17.5°	1231.1	1224.0	1216.9	1203.1	1195.0
20°	1202.2	1193.2	1179.6	1168.4	1159.0
22.5°	1172.4	1160.8	1140.3	1131.1	1120.2
25°	1141.7	1125.2	1097.8	1089.6	1079.0
27.5°	1110.3	1087.5	1053.8	1045.9	1034.0
30°	1076.5	1047.9	1006.0	996.5	986.1
32.5°	1039.6	1005.4	958.3	941.6	928.7
35°	999.3	959.8	910.0	884.0	864.9
37.5°	952.8	913.0	857.6	824.5	808.4
40°	899.5	861.7	804.5	765.4	752.4
42.5°	839.8	806.2	746.0	706.8	691.3
45°	774.1	747.4	686.7	645.6	633.0
47.5°	705.0	685.7	628.6	588.1	577.1
50°	633.2	622.9	569.8	533.2	522.1
52.5°	559.8	560.5	512.6	479.8	470.0
55°	486.6	500.5	459.3	428.9	419.2
57.5°	420.1	441.4	408.0	380.5	371.5
60°	365.2	383.0	359.8	335.1	326.2
62.5°	322.0	329.7	315.2	293.0	284.0
65°	279.4	283.0	273.2	252.9	245.8
67.5°	235.8	240.3	234.1	220.0	218.6
70°	198.8	202.4	198.9	197.0	199.5
72.5°	169.0	168.8	169.4	179.5	184.5
75°	139.4	138.0	147.4	164.5	170.1
77.5°	111.4	110.0	131.1	150.4	154.2
80°	86.0	87.5	116.9	133.0	135.8
82.5°	61.9	70.5	102.5	118.1	121.1
85°	37.4	57.3	89.1	104.4	106.9
87.5°	12.6	44.9	76.0	90.6	93.6
90°	0.0	39.4	70.8	81.8	83.5
92.5°	8.6	61.5	89.1	96.0	96.7
95°	22.2	87.0	117.7	123.5	124.8
97.5°	37.2	105.5	146.9	152.2	155.4
100°	52.8	125.6	170.8	184.8	189.7
102.5°	68.6	144.3	184.0	209.5	214.4
105°	83.8	156.9	195.4	220.1	223.5
107.5°	99.0	167.3	207.7	231.6	233.3
110°	113.8	177.0	221.1	240.2	242.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	127.4	184.1	231.2	249.9	251.9
115°	138.7	190.7	239.6	259.5	261.1
117.5°	148.5	196.5	248.6	266.2	266.9
120°	157.8	202.7	257.1	272.4	271.4
122.5°	167.9	209.8	265.9	278.7	276.7
125°	179.2	217.1	272.6	285.8	282.9
127.5°	191.6	224.6	277.2	292.8	289.4
130°	203.7	231.0	280.4	299.6	295.5
132.5°	215.2	237.1	282.7	304.4	301.5
135°	225.4	242.8	284.2	307.0	305.1
137.5°	234.1	248.4	285.2	307.4	306.7
140°	241.3	252.9	286.1	306.3	306.3
142.5°	247.0	256.5	286.9	304.6	304.5
145°	251.5	259.7	286.4	302.5	302.6
147.5°	255.1	262.6	284.5	300.3	300.6
150°	257.6	265.1	282.8	298.7	298.6
152.5°	259.4	267.4	280.7	295.7	296.4
155°	260.7	269.7	278.6	291.0	292.5
157.5°	261.9	271.1	277.0	286.6	287.3
160°	262.7	270.9	275.5	282.7	282.4
162.5°	263.4	270.7	275.4	278.8	277.7
165°	264.1	270.2	276.4	276.2	274.0
167.5°	264.7	269.4	276.9	275.8	272.7
170°	265.4	268.6	274.7	275.6	272.1
172.5°	265.6	267.5	272.2	272.7	270.4
175°	265.6	266.2	269.4	268.7	266.7
177.5°	265.6	265.2	267.0	265.2	263.6
180°	264.3	264.3	264.3	264.3	264.3

(END OF REPORT)