

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: 20670

Luminaire Tested: **IQ-WB-2T8-DL5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 20670
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: IQ-WB-2T8-DL5
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

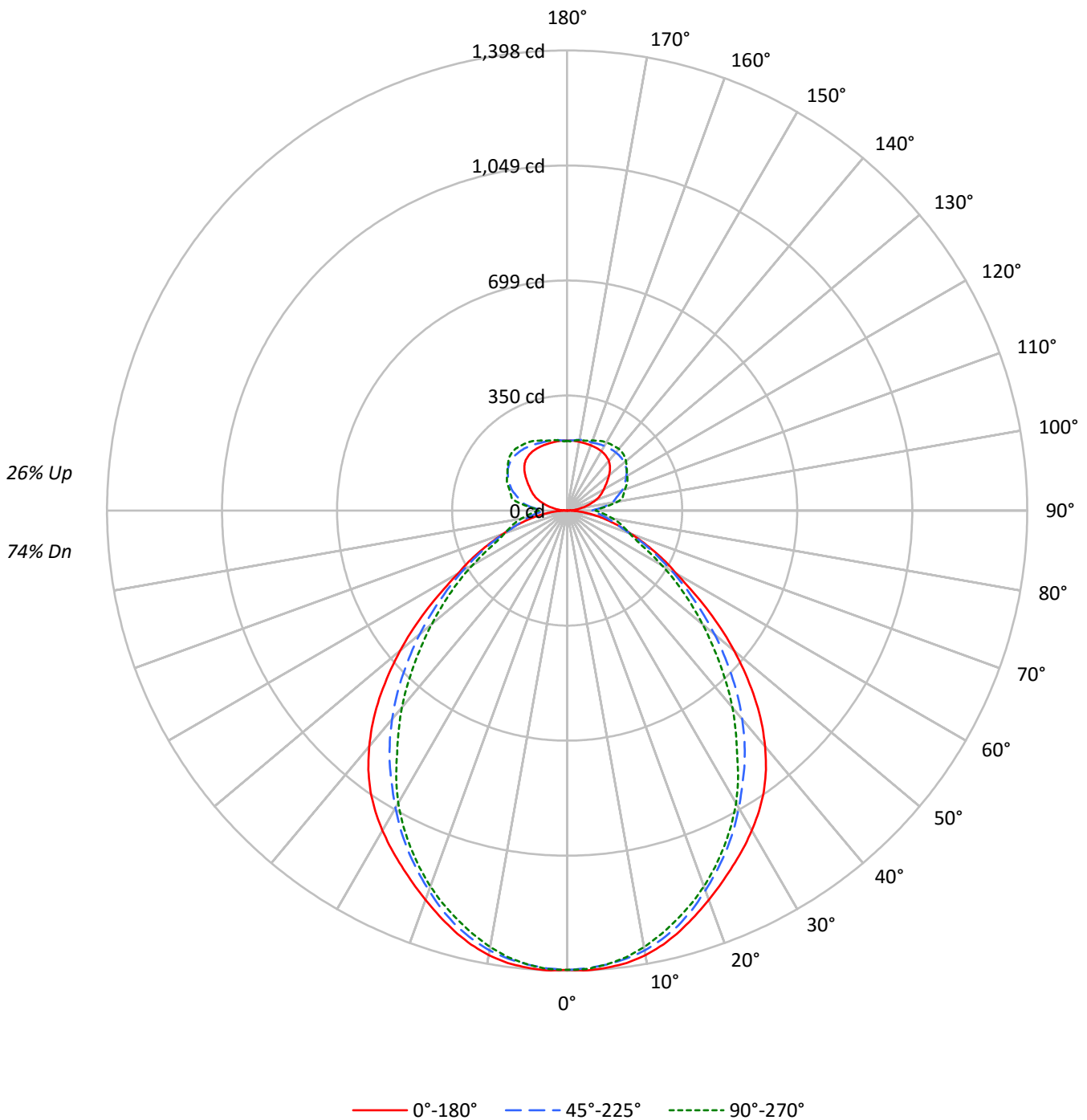
Lumens per Lamp: 3000 (2 lamps)
Luminaire Lumens: 4239.2 lumens
Efficiency: 70.7%
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.22
Luminous Opening: Rectangular w/ Sides (W: 0.32' x L: 3.67' x H: 0.06')
CIE Type: Semi-Direct

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	80	80	80	80	76	76	76	76	68	68	68		61	61	61		55	55	55	52
1	73	70	67	64	69	66	64	62	60	58	56		54	53	51		49	48	47	44
2	67	61	57	53	63	59	55	51	53	50	47		48	46	44		44	42	40	38
3	61	54	49	45	58	52	47	43	47	43	40		43	40	37		39	37	35	32
4	56	48	43	38	53	46	41	37	42	38	35		39	35	32		35	32	30	28
5	52	44	38	33	49	42	36	32	38	34	30		35	31	28		32	29	27	25
6	48	39	33	29	46	38	32	28	35	30	27		32	28	25		29	26	24	22
7	45	36	30	26	42	34	29	25	32	27	24		29	25	22		27	24	21	20
8	42	33	27	23	39	31	26	23	29	25	21		27	23	20		25	21	19	18
9	39	30	25	21	37	29	24	20	27	22	19		25	21	18		23	20	17	16
10	36	28	22	19	35	27	22	19	25	21	18		23	19	17		21	18	16	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12789	12789	12789
5°	12810	12577	12527
10°	12729	12319	12130
15°	12497	11921	11623
20°	12200	11380	11094
25°	11955	10822	10483
30°	11768	10189	9806
35°	11525	9551	8906
40°	11045	8836	8083
45°	10291	7997	7147
50°	9272	7111	6255
55°	8040	6211	5415
60°	6826	5385	4599
65°	6104	4614	3858
70°	5304	3891	3559
75°	4830	3463	3592
80°	4304	3465	3612
85°	3402	3646	3717



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	131.3	3.1	2.2
10°-20°	366.7	8.7	6.1
20°-30°	529.4	12.5	8.8
30°-40°	596.1	14.1	9.9
40°-50°	553.7	13.1	9.2
50°-60°	425.4	10.0	7.1
60°-70°	275.7	6.5	4.6
70°-80°	165.1	3.9	2.8
80°-90°	92.4	2.2	1.5
90°-100°	97.3	2.3	1.6
100°-110°	152.0	3.6	2.5
110°-120°	175.1	4.1	2.9
120°-130°	180.6	4.3	3.0
130°-140°	170.8	4.0	2.8
140°-150°	141.8	3.3	2.4
150°-160°	103.4	2.4	1.7
160°-170°	61.8	1.5	1.0
170°-180°	20.5	0.5	0.3
0°-30°	1027.4	24.2	17.1
0°-40°	1623.5	38.3	27.1
0°-60°	2602.5	61.4	43.4
0°-90°	3135.8	74.0	52.3
90°-120°	424.4	10.0	7.1
90°-150°	917.7	21.6	15.3
90°-180°	1103.0	26.0	18.4
0°-180°	4239.2	100.0	70.7

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1394	1384	1384	1384	1384	132
15°	1323	1313	1305	1292	1286	372
25°	1191	1165	1142	1136	1127	549
35°	1042	992	940	915	900	649
45°	807	773	706	665	655	620
55°	515	520	469	437	430	462
65°	291	296	278	255	249	289
75°	145	143	150	166	172	154
85°	38	59	92	108	111	42
90°	0	41	75	85	86	3
95°	22	72	105	111	111	22
105°	68	124	155	174	176	71
115°	112	157	193	203	202	110
125°	146	178	220	225	221	131
135°	184	198	230	245	242	141
145°	204	210	229	242	242	128
155°	210	216	223	233	234	97
165°	211	214	220	221	220	60
175°	213	212	214	214	213	20
180°	212	212	212	212	212	



TEST NUMBER: 20670

CATALOG NUMBER: IQ-WB-2T8-DL5

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1395.3	1395.3	1395.3	1395.3	1395.3
2.5°	1398.3	1388.9	1392.1	1392.1	1394.0
5°	1394.3	1384.4	1384.2	1384.5	1383.9
7.5°	1386.2	1374.6	1373.4	1370.2	1368.8
10°	1371.6	1360.8	1357.3	1348.4	1346.4
12.5°	1350.3	1340.5	1333.7	1322.3	1318.6
15°	1322.8	1313.1	1304.8	1292.0	1286.5
17.5°	1291.2	1279.5	1269.1	1257.6	1253.1
20°	1258.3	1242.4	1227.9	1221.8	1215.0
22.5°	1225.0	1204.6	1186.1	1181.5	1172.9
25°	1191.2	1164.7	1142.0	1136.2	1127.2
27.5°	1157.7	1124.3	1094.6	1087.8	1078.8
30°	1122.4	1082.1	1042.9	1036.1	1026.8
32.5°	1084.2	1038.9	990.4	977.1	966.4
35°	1041.8	992.3	939.8	914.7	900.5
37.5°	992.4	943.5	885.0	852.7	840.5
40°	935.8	890.6	827.8	790.6	781.9
42.5°	874.4	833.6	767.8	728.9	717.7
45°	806.9	772.7	705.9	665.1	654.8
47.5°	735.3	709.0	644.6	603.1	594.5
50°	662.9	644.7	584.4	544.8	536.7
52.5°	588.8	581.2	525.0	489.1	481.9
55°	514.9	520.0	468.7	436.9	429.6
57.5°	443.5	458.6	416.6	386.7	379.5
60°	382.9	399.6	367.1	339.7	332.4
62.5°	337.1	345.2	321.2	296.5	288.7
65°	291.3	296.1	278.5	255.4	249.4
67.5°	245.4	251.2	238.8	221.5	220.8
70°	206.8	210.8	202.7	198.3	201.2
72.5°	175.4	175.0	172.7	180.8	186.2
75°	144.7	142.9	150.4	165.9	172.4
77.5°	115.5	114.1	133.8	152.2	157.8
80°	89.1	90.8	119.3	136.9	141.2
82.5°	64.3	73.3	105.5	121.7	125.8
85°	38.4	59.4	91.8	107.5	111.1
87.5°	13.2	46.6	79.0	93.7	97.5
90°	0.5	40.6	74.7	85.3	86.3
92.5°	8.9	54.7	86.7	93.1	92.3
95°	21.8	71.9	105.0	111.3	111.1
97.5°	32.1	83.3	124.1	130.5	132.5
100°	43.5	98.7	139.7	152.9	156.5
102.5°	55.5	114.1	147.7	169.1	172.4
105°	67.5	124.4	155.4	174.2	176.0
107.5°	79.7	133.9	165.8	181.5	181.5
110°	91.5	143.2	177.3	186.9	186.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	102.7	150.5	185.8	195.0	194.0
115°	112.3	156.8	192.8	203.0	201.5
117.5°	120.3	162.3	200.2	208.8	206.5
120°	128.2	167.3	207.3	213.8	210.6
122.5°	136.6	172.5	214.6	219.3	215.3
125°	146.1	177.5	219.8	225.4	221.1
127.5°	156.2	183.0	223.8	231.7	227.2
130°	166.0	188.3	227.1	237.9	232.9
132.5°	175.5	193.7	229.1	242.0	238.8
135°	184.1	198.4	230.1	244.8	241.8
137.5°	191.4	202.4	230.4	245.9	244.1
140°	196.9	205.3	230.4	245.3	244.5
142.5°	201.1	207.7	229.8	243.9	243.3
145°	204.3	209.6	229.2	242.2	241.8
147.5°	206.5	211.5	227.6	240.5	240.6
150°	208.3	213.0	226.8	238.6	239.0
152.5°	209.5	214.4	225.1	236.4	236.9
155°	210.1	215.6	223.4	232.8	233.7
157.5°	210.7	216.0	221.5	229.7	230.0
160°	211.0	215.5	220.3	226.4	226.4
162.5°	211.1	214.9	219.5	223.3	222.9
165°	211.3	214.4	220.0	221.3	219.8
167.5°	211.7	213.6	219.8	220.2	218.1
170°	212.2	213.3	218.0	219.8	217.6
172.5°	212.6	212.6	216.1	216.8	215.6
175°	213.0	212.4	214.1	213.8	212.6
177.5°	213.3	212.5	213.0	211.4	210.3
180°	212.0	212.0	212.0	212.0	212.0

(END OF REPORT)