

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: PORTFOLIO

Report Number: P35137

Luminaire Tested: **LE\_6B10D010 EC6B10209027 6LBSWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P35137  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B10D010 EC6B10209027 6LBSWH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH WHEAT TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1142.3 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

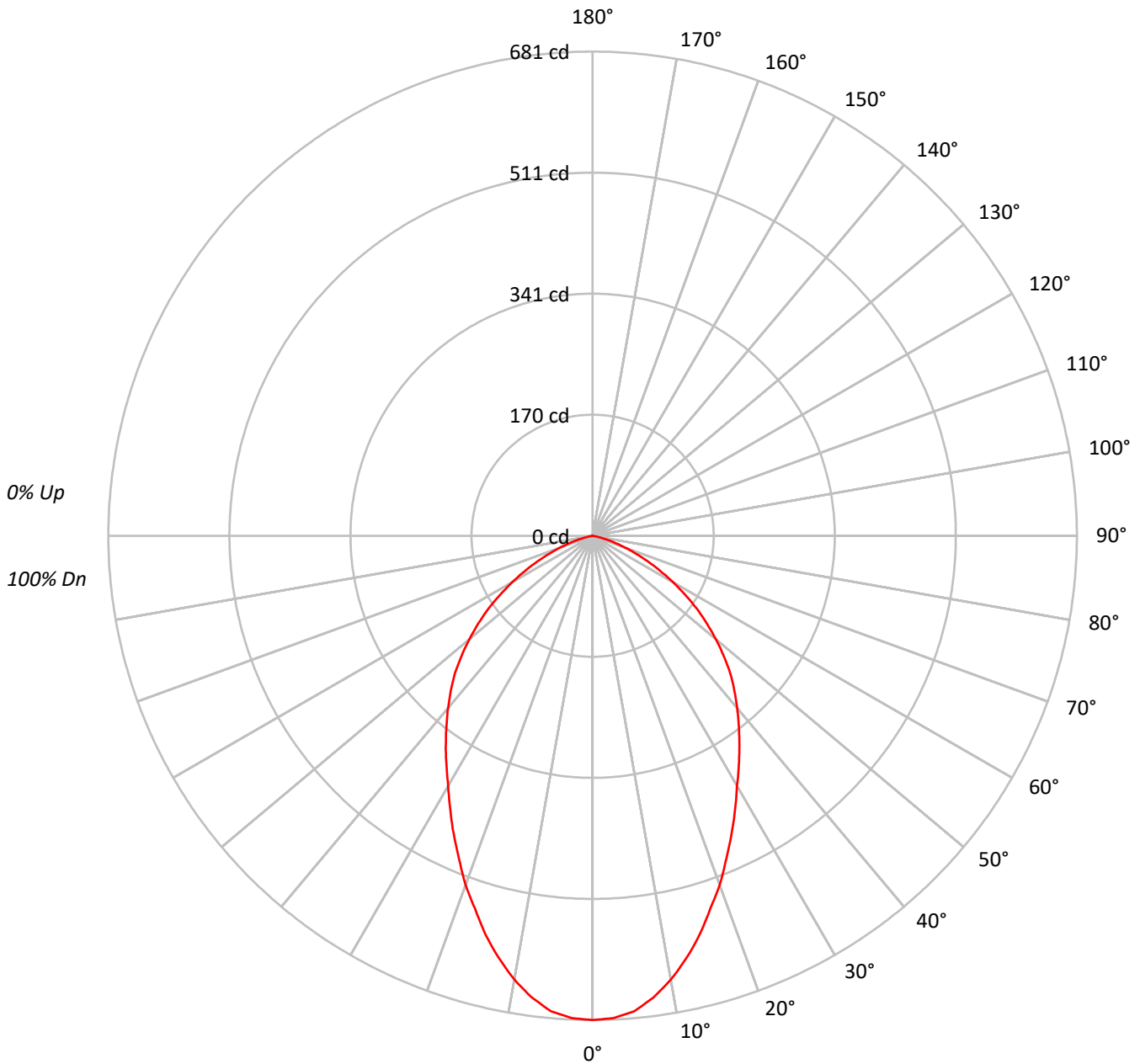
Input Watts (W): 9.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89				89
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77				77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67				67
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59				59
5	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47				47
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35				35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				32

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	44442
5°	43957
10°	41987
15°	39255
20°	36276
25°	33293
30°	30600
35°	28672
40°	26929
45°	25262
50°	22958
55°	20337
60°	16963
65°	13307
70°	9309
75°	5041
80°	939
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.8	5.5
10°-20°	162.6	14.2
20°-30°	212.7	18.6
30°-40°	225.2	19.7
40°-50°	210.1	18.4
50°-60°	159.1	13.9
60°-70°	86.2	7.5
70°-80°	23.2	2.0
80°-90°	0.3	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	438.2	38.4
0°-40°	663.4	58.1
0°-60°	1032.7	90.4
0°-90°	1142.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	681	
5°	671	63
15°	581	163
25°	462	213
35°	360	225
45°	274	210
55°	179	159
65°	86	86
75°	20	23
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	681.2
2.5°	678.8
5°	671.2
7.5°	655.0
10°	633.8
12.5°	608.8
15°	581.2
17.5°	550.0
20°	522.5
22.5°	491.2
25°	462.5
27.5°	433.8
30°	406.2
32.5°	382.5
35°	360.0
37.5°	337.5
40°	316.2
42.5°	295.0
45°	273.8
47.5°	250.0
50°	226.2
52.5°	202.5
55°	178.8
57.5°	153.8
60°	130.0
62.5°	107.5
65°	86.2
67.5°	66.2
70°	48.8
72.5°	33.8
75°	20.0
77.5°	8.8
80°	2.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)