

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: P205457

Luminaire Tested: **LE\_6B60D010R EC6B60709730 6LBSLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B60D010R EC6B60709730 6LBSLI1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6007.8 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

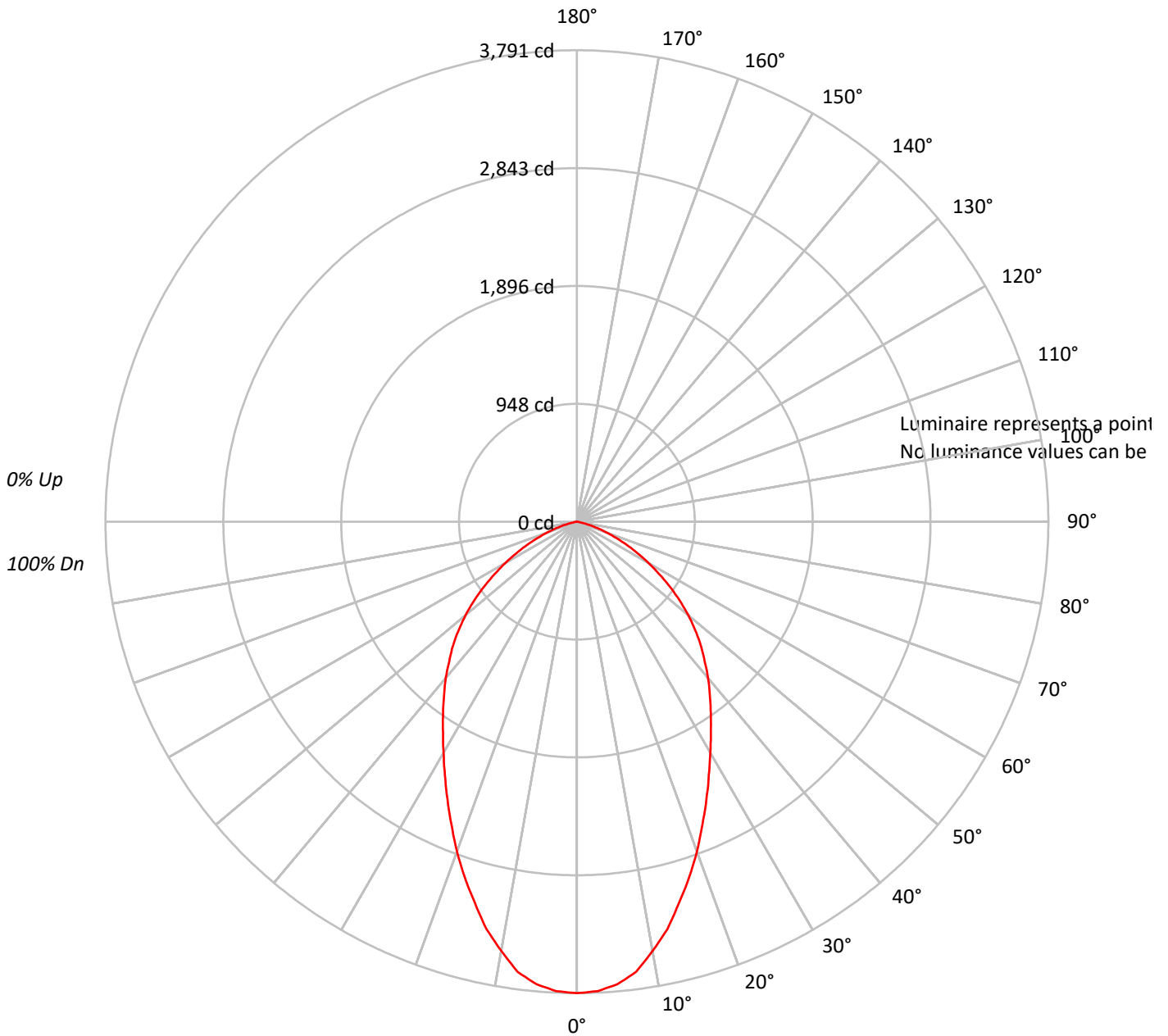
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
RC	80									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																			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47																			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43																			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39																			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36																			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.4	5.8
10°-20°	889.4	14.8
20°-30°	1134.1	18.9
30°-40°	1176.2	19.6
40°-50°	1083.7	18.0
50°-60°	815.2	13.6
60°-70°	440.0	7.3
70°-80°	118.1	2.0
80°-90°	1.7	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°	2372.9	39.5
0°-40°	3549.1	59.1
0°-60°	5448.0	90.7
0°-90°	6007.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6007.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3791	
5°	3734	349
15°	3172	889
25°	2464	1134
35°	1876	1176
45°	1410	1084
55°	913	815
65°	440	440
75°	102	118
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3791.2
2.5°	3778.5
5°	3733.9
7.5°	3650.9
10°	3504.0
12.5°	3357.2
15°	3172.1
17.5°	2999.9
20°	2821.1
22.5°	2636.0
25°	2463.6
27.5°	2297.8
30°	2144.5
32.5°	2004.1
35°	1876.5
37.5°	1755.2
40°	1640.4
42.5°	1519.0
45°	1410.5
47.5°	1289.2
50°	1168.0
52.5°	1040.4
55°	912.8
57.5°	785.0
60°	663.8
62.5°	548.9
65°	440.4
67.5°	338.2
70°	248.9
72.5°	172.4
75°	102.1
77.5°	44.6
80°	12.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)