

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: P204841

Luminaire Tested: **LE\_6B60D010R EC6B60709030 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204841  
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 EC6B60709030 6LBCSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7002.3 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

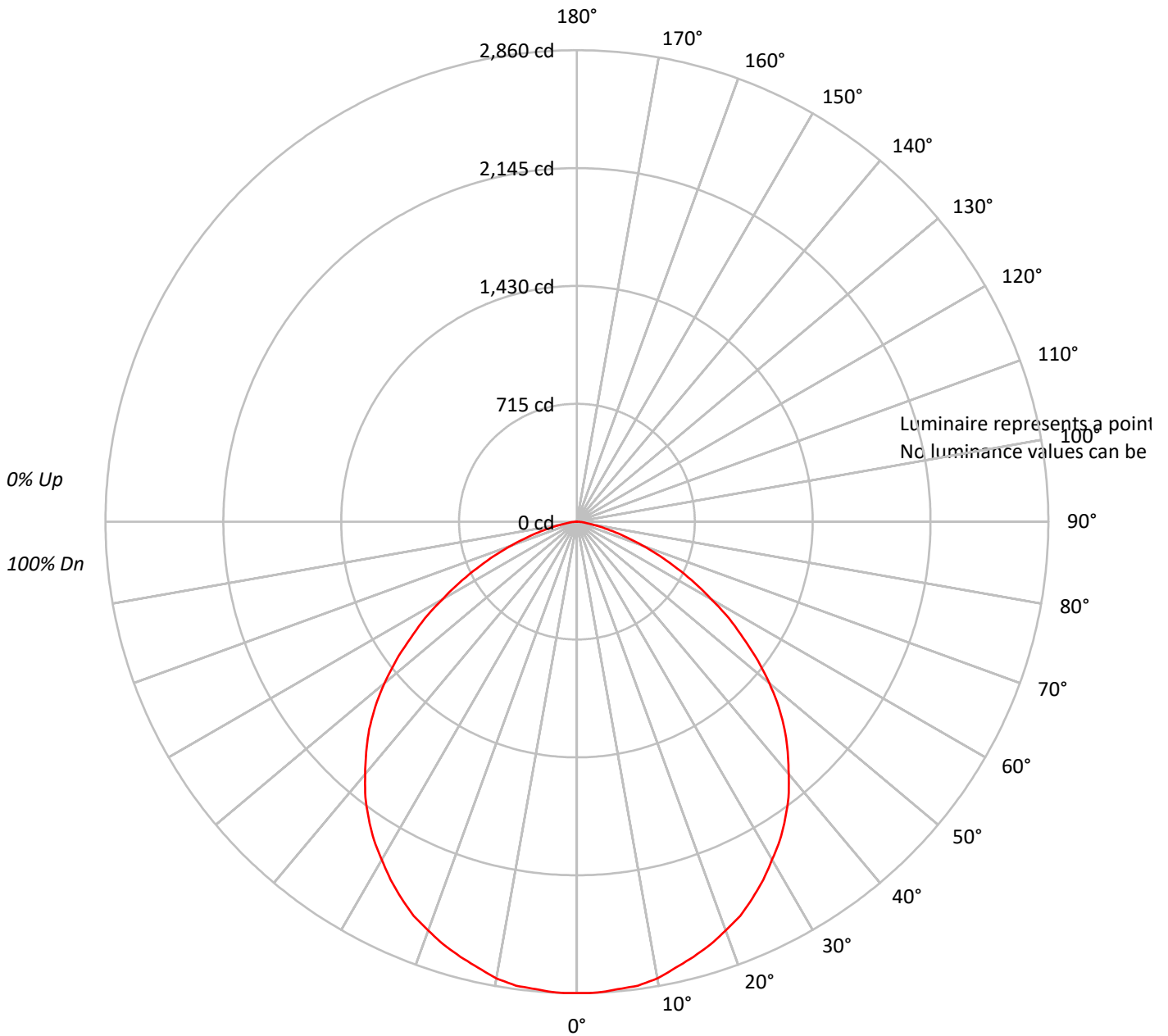
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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	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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87												87																
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74												74																
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63												63																
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55												55																
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48												48																
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42												42																
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37												37																
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33												33																
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30												30																
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27												27																

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.0	3.9
10°-20°	771.4	11.0
20°-30°	1160.5	16.6
30°-40°	1375.3	19.6
40°-50°	1368.6	19.5
50°-60°	1103.3	15.8
60°-70°	667.4	9.5
70°-80°	247.8	3.5
80°-90°	37.0	0.5
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°	2202.9	31.5
0°-40°	3578.2	51.1
0°-60°	6050.1	86.4
0°-90°	7002.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7002.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2860	
5°	2847	271
15°	2733	771
25°	2520	1160
35°	2202	1375
45°	1782	1369
55°	1230	1103
65°	670	667
75°	225	248
85°	30	37
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2860.0
2.5°	2860.0
5°	2847.2
7.5°	2838.8
10°	2813.2
12.5°	2770.9
15°	2732.6
17.5°	2690.2
20°	2639.2
22.5°	2588.4
25°	2520.5
27.5°	2448.4
30°	2367.8
32.5°	2291.4
35°	2202.2
37.5°	2108.9
40°	1998.6
42.5°	1892.5
45°	1782.1
47.5°	1659.1
50°	1523.4
52.5°	1383.2
55°	1230.5
57.5°	1094.8
60°	942.0
62.5°	806.2
65°	670.4
67.5°	543.1
70°	424.4
72.5°	318.2
75°	224.9
77.5°	144.2
80°	84.9
82.5°	50.9
85°	29.8
87.5°	12.8
90°	0.0



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— 0°-180°







(END OF REPORT)