

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: P203579

Luminaire Tested: **LE\_6B40D010 EC6B30509040 6LBMMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203579  
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\_6B40D010 EC6B30509040 6LBMMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3634.0 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

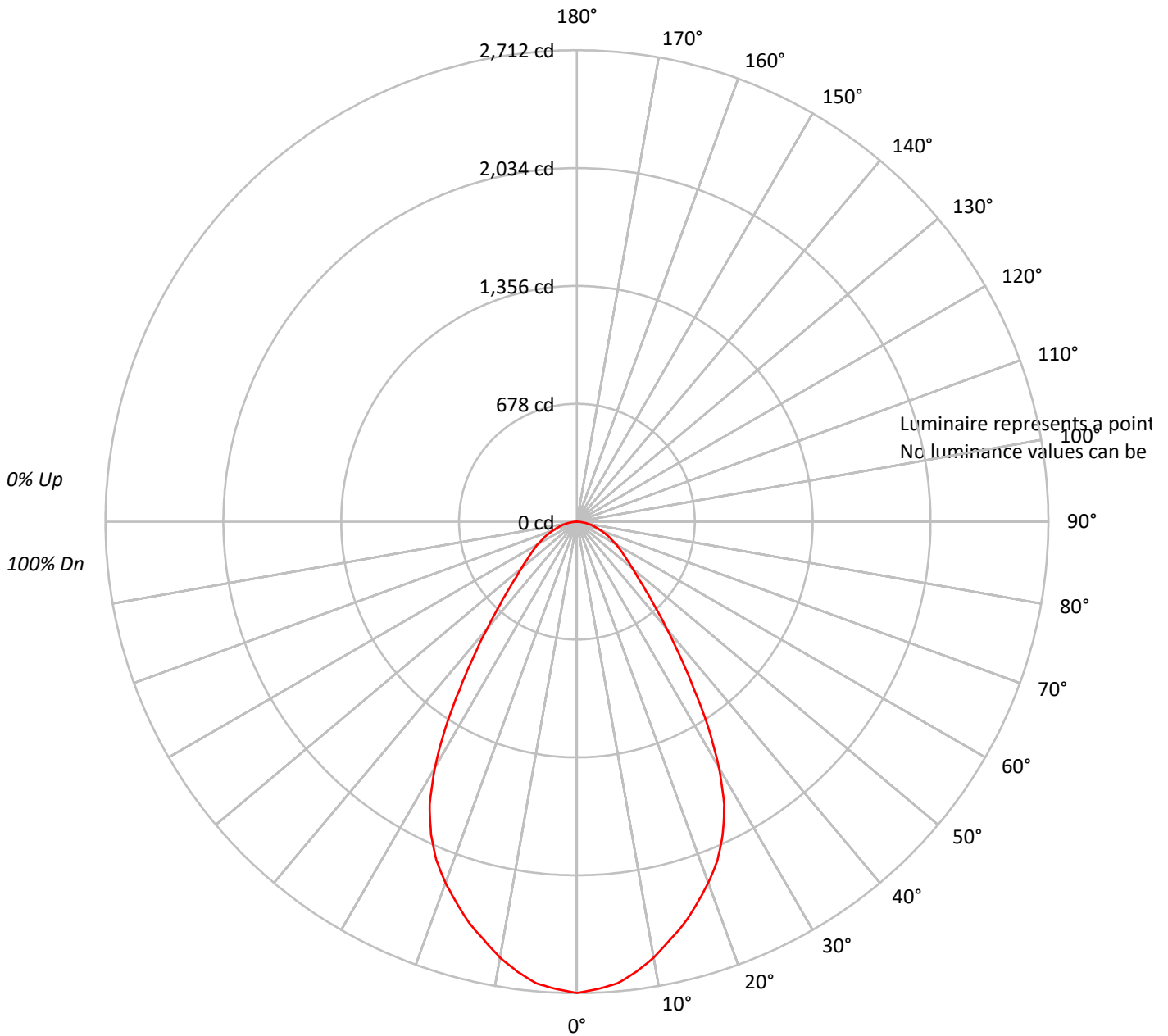
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64																			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58																			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48																			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41																			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.5	6.9
10°-20°	670.9	18.5
20°-30°	900.9	24.8
30°-40°	739.0	20.3
40°-50°	443.8	12.2
50°-60°	294.9	8.1
60°-70°	197.7	5.4
70°-80°	106.4	2.9
80°-90°	30.0	0.8
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°	1822.3	50.1
0°-40°	2561.3	70.5
0°-60°	3300.0	90.8
0°-90°	3634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3634.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2712	
5°	2666	250
15°	2391	671
25°	1985	901
35°	1173	739
45°	561	444
55°	326	295
65°	200	198
75°	100	106
85°	25	30
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2711.6
2.5°	2691.5
5°	2666.5
7.5°	2611.4
10°	2546.1
12.5°	2466.0
15°	2390.8
17.5°	2300.6
20°	2210.4
22.5°	2110.1
25°	1984.9
27.5°	1834.5
30°	1634.0
32.5°	1408.4
35°	1172.9
37.5°	972.4
40°	802.0
42.5°	666.6
45°	561.4
47.5°	476.1
50°	416.0
52.5°	365.9
55°	325.8
57.5°	290.8
60°	260.6
62.5°	225.5
65°	200.5
67.5°	170.4
70°	145.4
72.5°	120.2
75°	100.2
77.5°	80.2
80°	60.1
82.5°	45.1
85°	25.0
87.5°	10.0
90°	0.0



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— 0°-180°







(END OF REPORT)