

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: P203376

Luminaire Tested: **LE\_6B40D010 EC6B30509730 6LBMWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203376  
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 EC6B30509730 6LBMWH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WHEAT 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: 3077.2 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

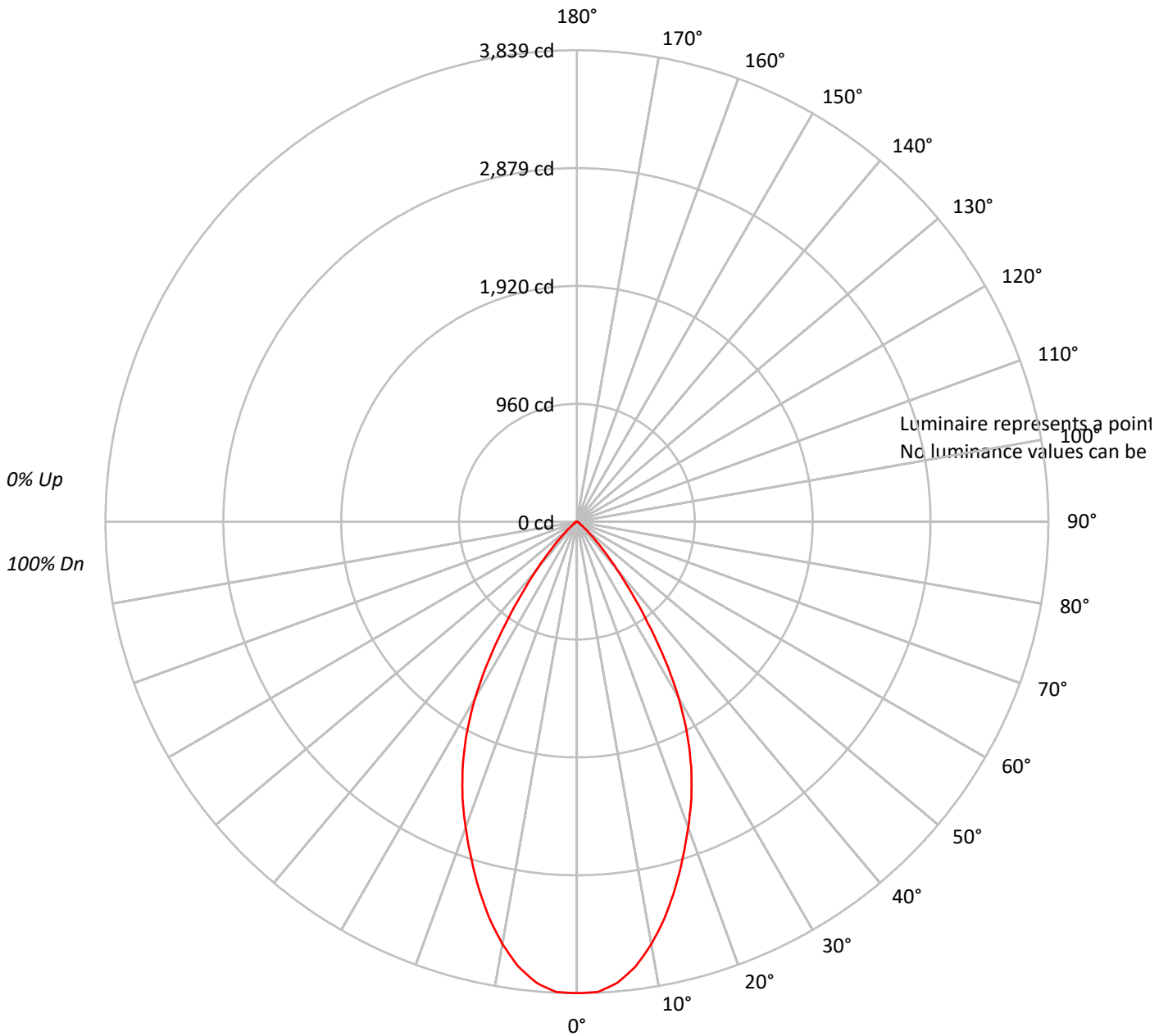
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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																																				
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																				
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																																				
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																				
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																				
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																																				
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																																				
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																																				
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																																				
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																																				
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																																				

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.9	11.4
10°-20°	861.6	28.0
20°-30°	996.9	32.4
30°-40°	637.2	20.7
40°-50°	180.7	5.9
50°-60°	32.2	1.0
60°-70°	13.2	0.4
70°-80°	4.4	0.1
80°-90°	0.0	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°	2209.4	71.8
0°-40°	2846.6	92.5
0°-60°	3059.6	99.4
0°-90°	3077.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3077.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3839	
5°	3770	351
15°	3090	862
25°	2200	997
35°	1006	637
45°	210	181
55°	30	32
65°	13	13
75°	4	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3839.0
2.5°	3834.6
5°	3770.5
7.5°	3654.9
10°	3492.2
12.5°	3304.0
15°	3090.0
17.5°	2867.4
20°	2649.1
22.5°	2435.1
25°	2199.8
27.5°	1943.0
30°	1656.2
32.5°	1335.2
35°	1005.8
37.5°	727.5
40°	505.0
42.5°	333.9
45°	209.8
47.5°	124.1
50°	72.8
52.5°	42.8
55°	30.0
57.5°	25.6
60°	21.4
62.5°	17.1
65°	12.9
67.5°	8.5
70°	8.5
72.5°	4.2
75°	4.2
77.5°	4.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)