

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: P203763

Luminaire Tested: **LE\_6B30D010 EC6B30508027 6LBNWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203763  
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\_6B30D010 EC6B30508027 6LBNWH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH WHEAT TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2380.3 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

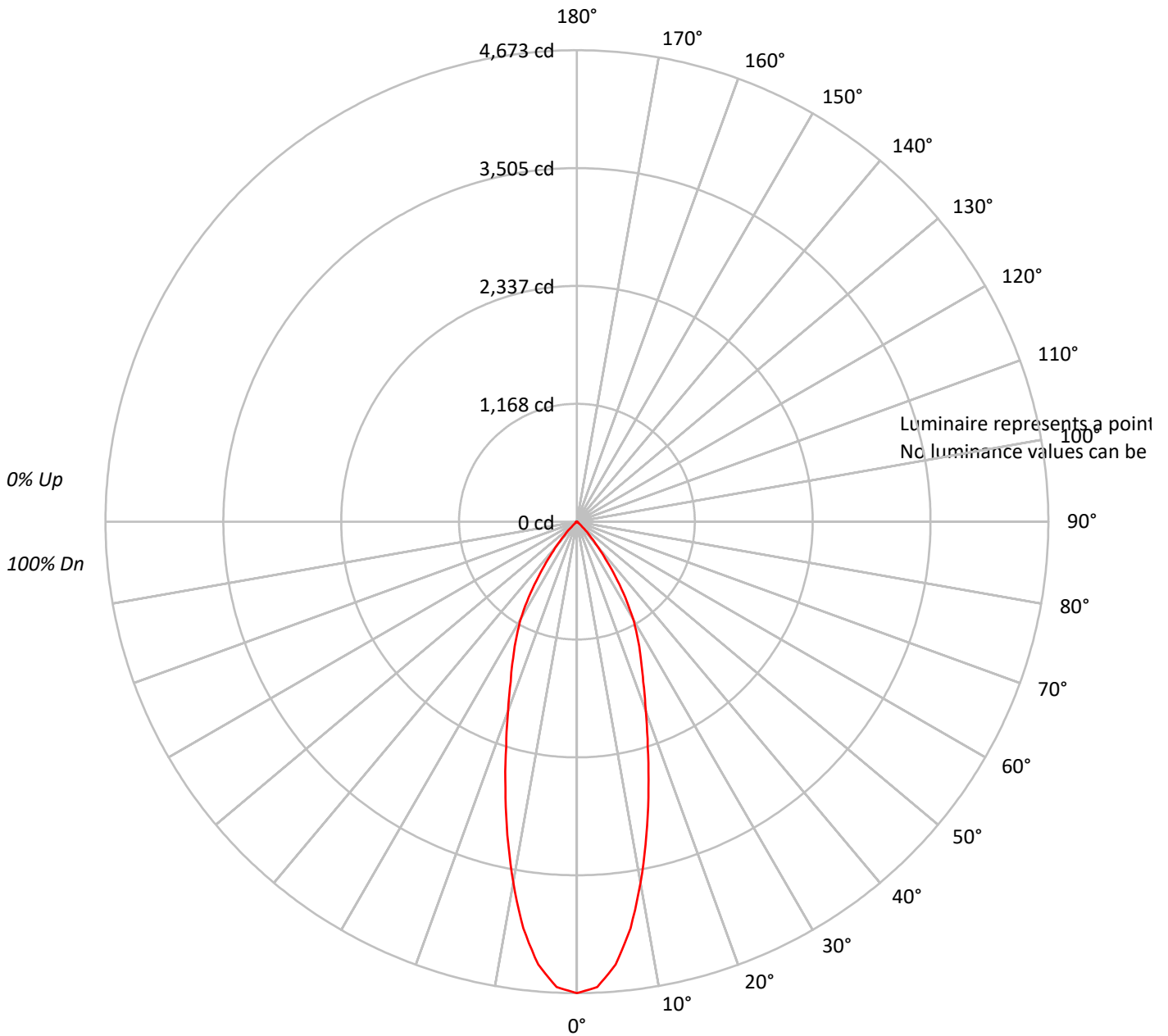
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94		
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89		
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83		
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79		
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74		
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70		
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66		
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63		
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60		
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.6	16.6
10°-20°	760.2	31.9
20°-30°	691.1	29.0
30°-40°	418.9	17.6
40°-50°	95.4	4.0
50°-60°	12.1	0.5
60°-70°	5.5	0.2
70°-80°	1.6	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°	1846.8	77.6
0°-40°	2265.8	95.2
0°-60°	2373.3	99.7
0°-90°	2380.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2380.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4673	
5°	4406	396
15°	2738	760
25°	1498	691
35°	664	419
45°	105	95
55°	12	12
65°	4	5
75°	0	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4673.4
2.5°	4616.6
5°	4406.1
7.5°	4065.9
10°	3632.6
12.5°	3183.1
15°	2737.6
17.5°	2332.6
20°	1992.5
22.5°	1717.1
25°	1498.4
27.5°	1304.0
30°	1113.6
32.5°	891.0
35°	664.1
37.5°	465.8
40°	307.8
42.5°	190.4
45°	105.2
47.5°	48.6
50°	20.2
52.5°	16.2
55°	12.1
57.5°	12.1
60°	8.1
62.5°	8.1
65°	4.0
67.5°	4.0
70°	4.0
72.5°	4.0
75°	0.0
77.5°	0.0
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)