

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: P203482

Luminaire Tested: **LE\_6B50D010R EC6B30508035 6LBMB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203482  
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\_6B50D010R EC6B30508035 6LBMB1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SPECULAR BLACK TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2983.3 lumens  
Efficiency: N/A  
Efficacy: 50.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

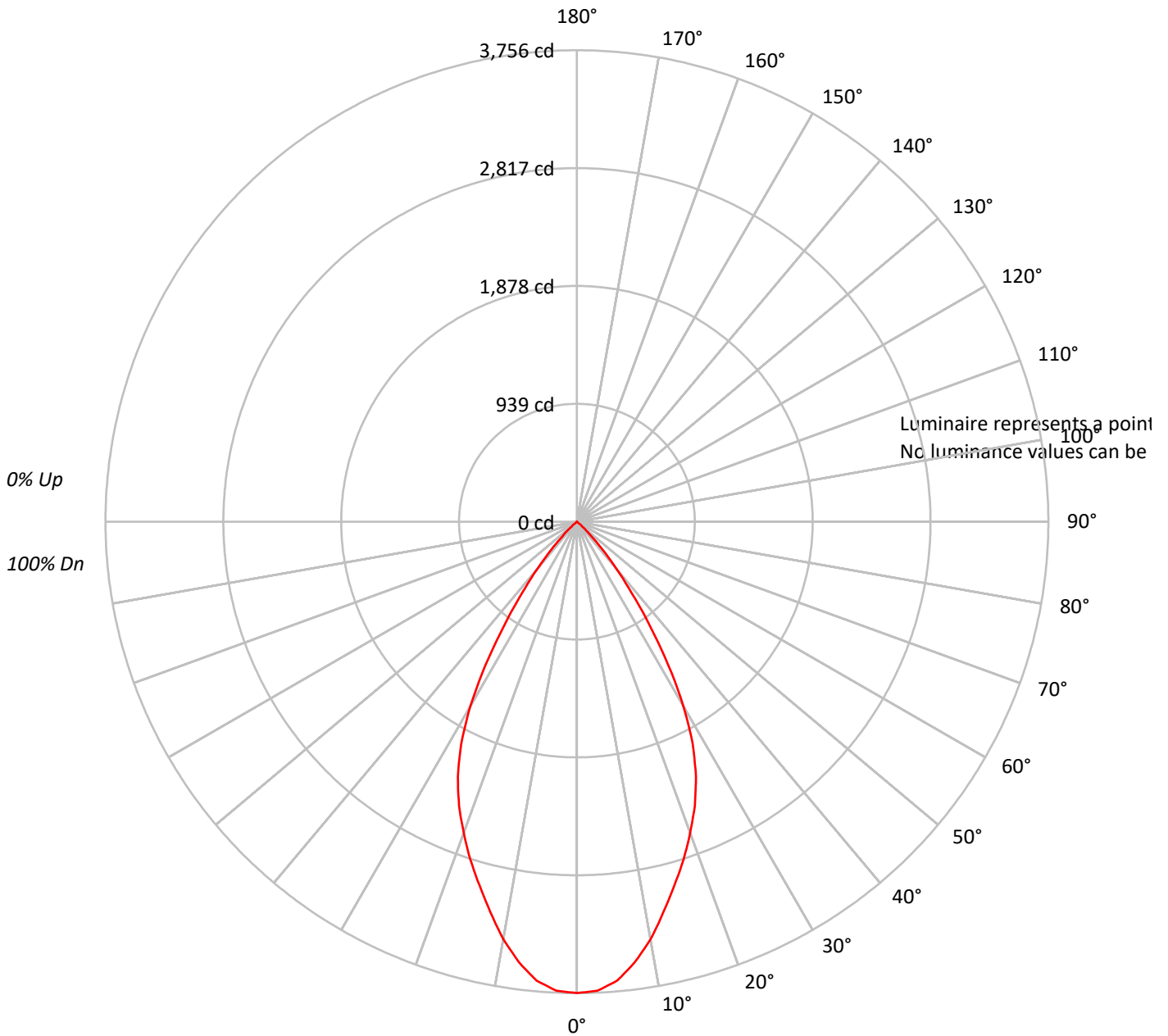
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0																			
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	100	100	100																			
	1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94	94	94	94	94																			
	2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88	88	88	88	88	88																			
	3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	82	82	82	82	82	82	82	82																			
	4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	76	76	76	76	76	76	76	76	76																			
	5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72	72	72	72	72	72																			
	6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67	67	67	67	67	67	67	67	67																			
	7	84	75	69	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63	63	63	63	63	63	63	63	63																			
	8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59	59	59	59	59	59	59	59	59																			
	9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56	56	56	56	56	56	56	56	56																			
	10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	53	53	53	53	53	53	53	53	53																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.7	11.4
10°-20°	840.9	28.2
20°-30°	1012.8	33.9
30°-40°	640.7	21.5
40°-50°	146.6	4.9
50°-60°	1.6	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	2194.4	73.6
0°-40°	2835.1	95.0
0°-60°	2983.3	100.0
0°-90°	2983.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2983.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3756	
5°	3671	341
15°	3000	841
25°	2244	1013
35°	1010	641
45°	162	147
55°	0	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3755.8
2.5°	3740.4
5°	3671.0
7.5°	3539.9
10°	3377.9
12.5°	3185.1
15°	3000.0
17.5°	2822.6
20°	2637.5
22.5°	2452.5
25°	2244.2
27.5°	1997.4
30°	1696.6
32.5°	1357.4
35°	1010.2
37.5°	717.2
40°	485.9
42.5°	300.8
45°	162.0
47.5°	69.4
50°	15.4
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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)