

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: P203594

Luminaire Tested: **LE\_6B50D010R EC6B30509727 6LBMMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203594  
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 EC6B30509727 6LBMMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3827.4 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

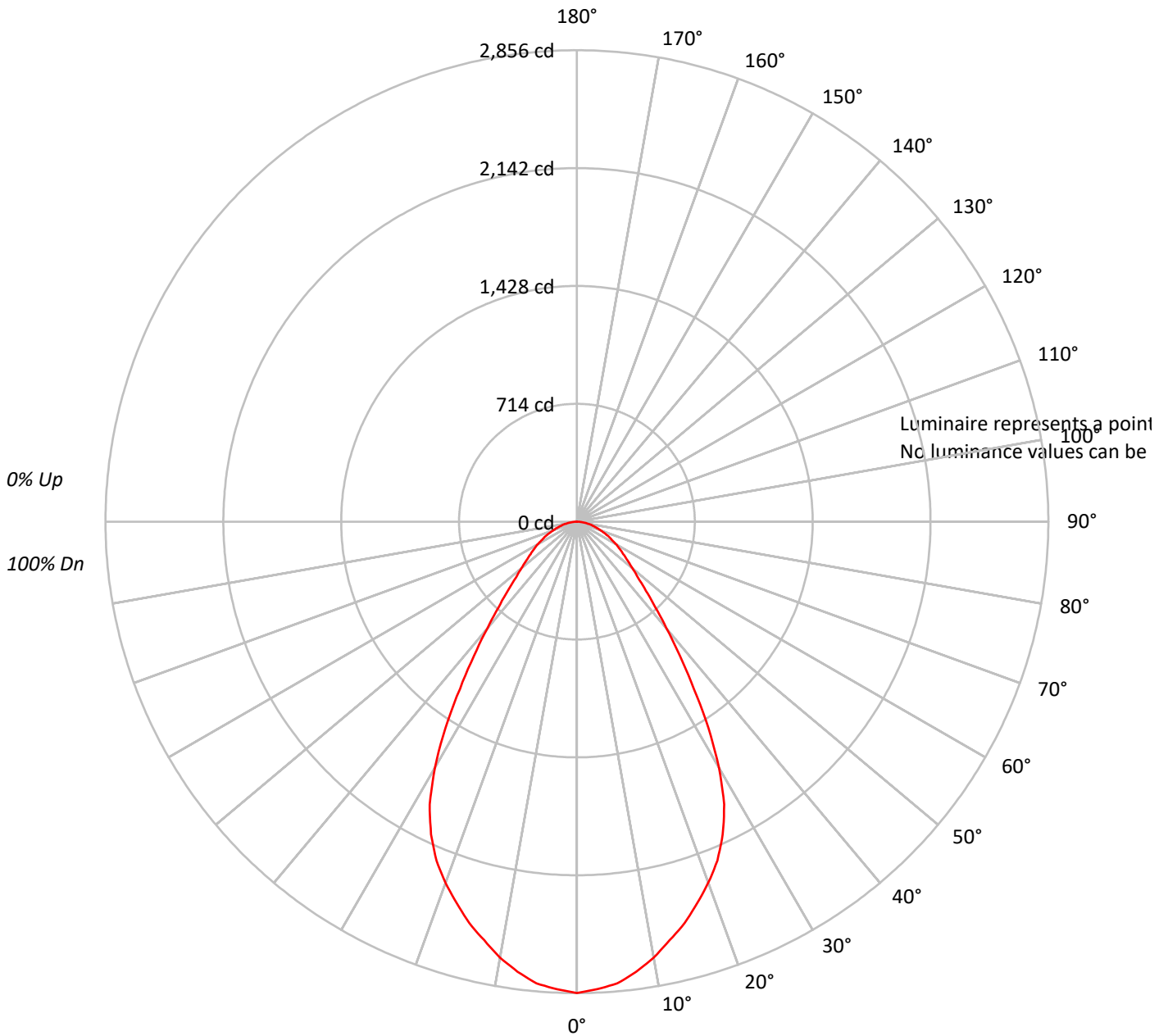
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89				89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79				79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71				71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64				64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58				58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53				53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48				48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38				38

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.8	6.9
10°-20°	706.6	18.5
20°-30°	948.8	24.8
30°-40°	778.3	20.3
40°-50°	467.4	12.2
50°-60°	310.6	8.1
60°-70°	208.2	5.4
70°-80°	112.1	2.9
80°-90°	31.6	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°	1919.2	50.1
0°-40°	2697.5	70.5
0°-60°	3475.5	90.8
0°-90°	3827.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3827.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2856	
5°	2808	264
15°	2518	707
25°	2090	949
35°	1235	778
45°	591	467
55°	343	311
65°	211	208
75°	106	112
85°	26	32
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2855.8
2.5°	2834.6
5°	2808.2
7.5°	2750.2
10°	2681.6
12.5°	2597.1
15°	2518.0
17.5°	2422.9
20°	2327.9
22.5°	2222.4
25°	2090.4
27.5°	1932.0
30°	1720.9
32.5°	1483.4
35°	1235.2
37.5°	1024.1
40°	844.6
42.5°	702.1
45°	591.2
47.5°	501.5
50°	438.1
52.5°	385.4
55°	343.1
57.5°	306.1
60°	274.5
62.5°	237.5
65°	211.1
67.5°	179.5
70°	153.1
72.5°	126.8
75°	105.6
77.5°	84.5
80°	63.4
82.5°	47.5
85°	26.4
87.5°	10.5
90°	0.0



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— 0°-180°







(END OF REPORT)