

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: P203178

Luminaire Tested: **LE\_6B50D010R EC6B30509030 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203178  
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 EC6B30509030 6LBWMW1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE 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: 5393.2 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

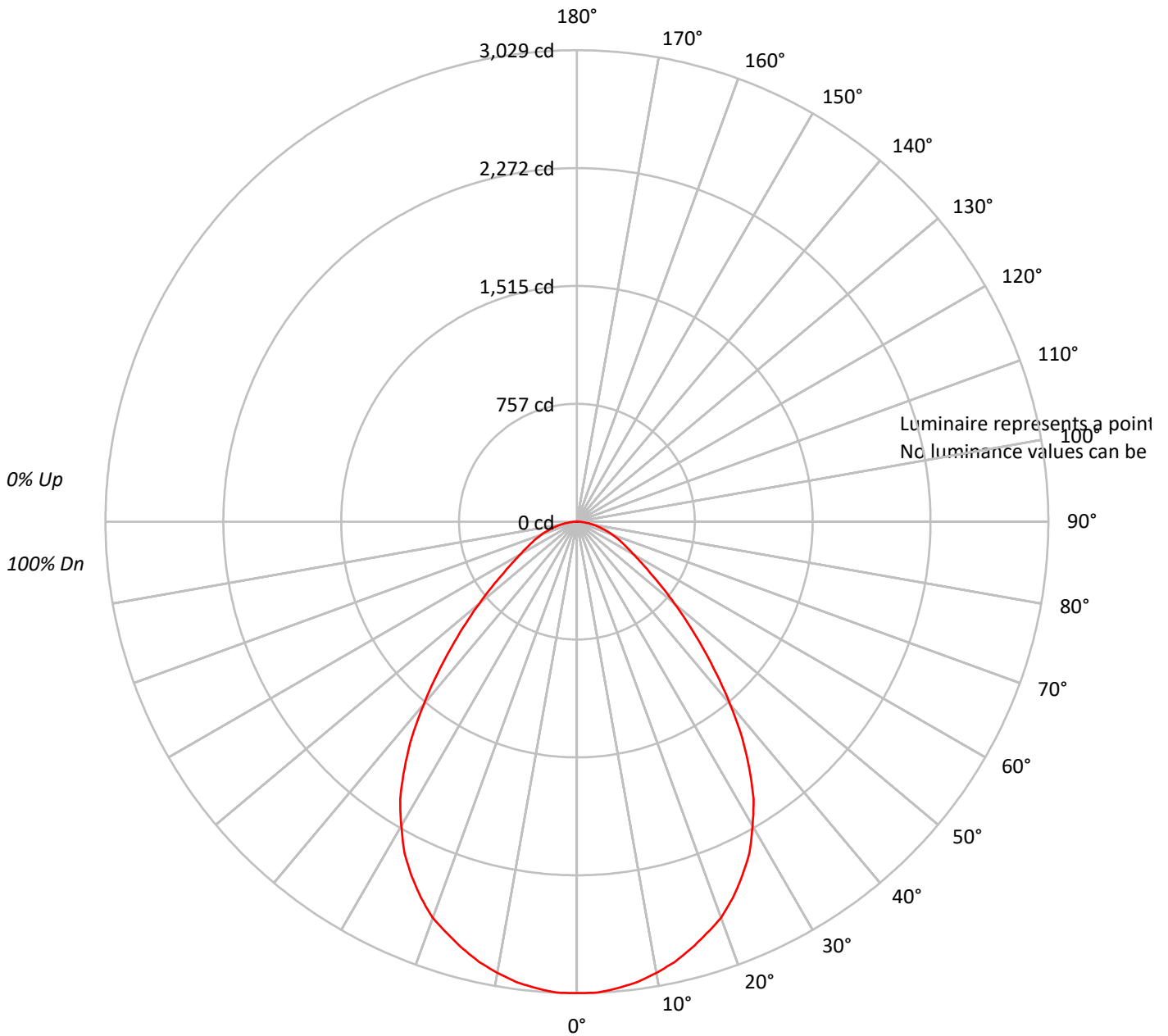
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																											
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																											
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																											
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																											
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																											
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																											
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																											
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40																											
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37																											
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34																											

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.2	5.3
10°-20°	799.9	14.8
20°-30°	1152.5	21.4
30°-40°	1196.6	22.2
40°-50°	884.7	16.4
50°-60°	528.4	9.8
60°-70°	321.1	6.0
70°-80°	175.9	3.3
80°-90°	48.9	0.9
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°	2237.6	41.5
0°-40°	3434.2	63.7
0°-60°	4847.3	89.9
0°-90°	5393.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5393.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3029	
5°	3009	285
15°	2839	800
25°	2512	1153
35°	1930	1197
45°	1138	885
55°	576	528
65°	320	321
75°	164	176
85°	39	49
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3028.6
2.5°	3028.6
5°	3009.0
7.5°	2982.9
10°	2943.6
12.5°	2897.9
15°	2839.0
17.5°	2773.5
20°	2708.1
22.5°	2616.5
25°	2511.9
27.5°	2400.8
30°	2256.8
32.5°	2112.9
35°	1929.8
37.5°	1740.0
40°	1530.6
42.5°	1327.9
45°	1138.2
47.5°	968.1
50°	817.6
52.5°	686.9
55°	575.6
57.5°	490.6
60°	418.6
62.5°	366.4
65°	320.5
67.5°	281.2
70°	242.0
72.5°	202.8
75°	163.5
77.5°	130.9
80°	98.1
82.5°	72.0
85°	39.2
87.5°	19.6
90°	0.0



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— 0°-180°







(END OF REPORT)