

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: P203177

Luminaire Tested: **LE\_6B50D010R EC6B30509027 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203177  
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 EC6B30509027 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: 5187.2 lumens  
Efficiency: N/A  
Efficacy: 88.2 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

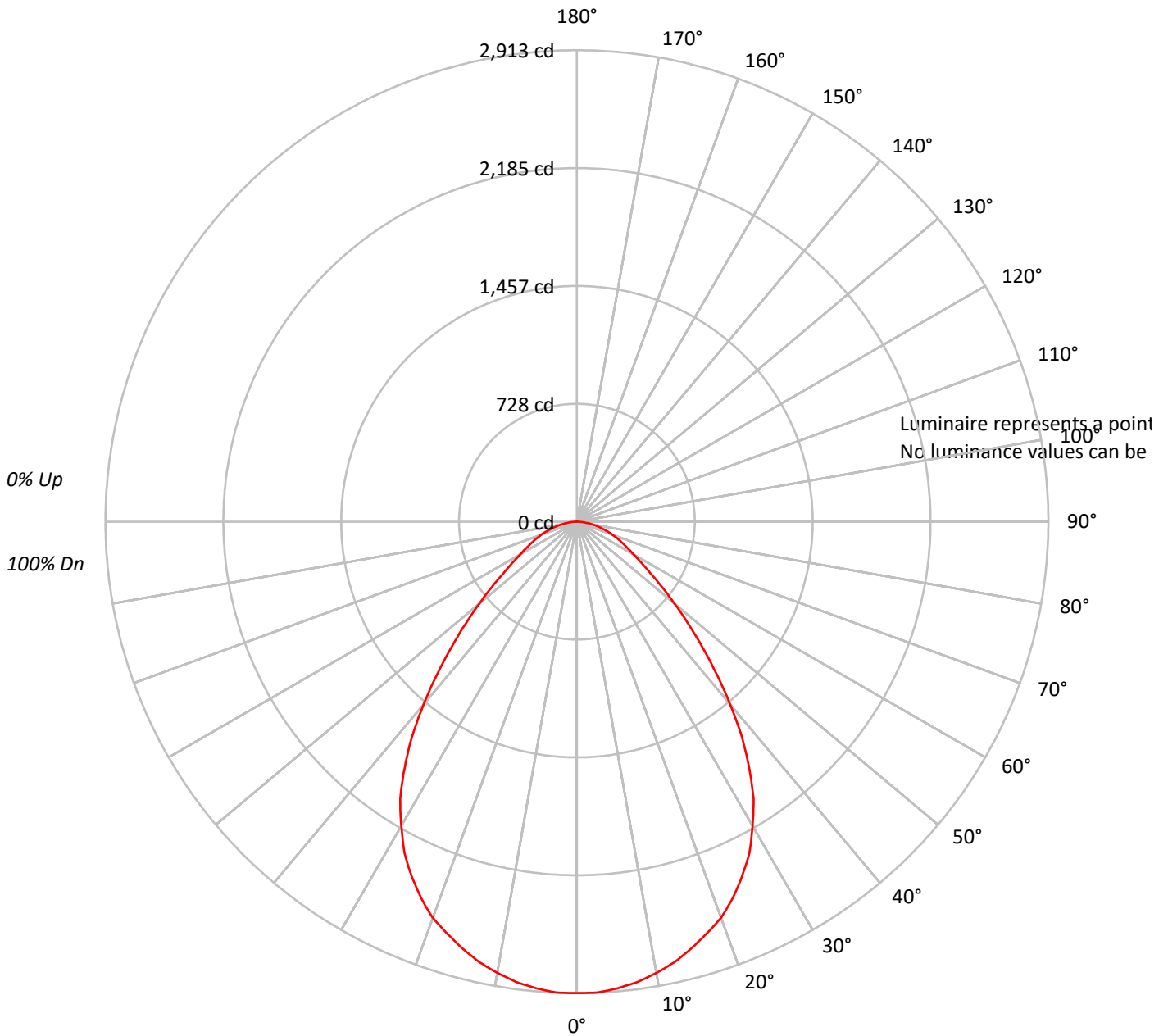
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.3	5.3
10°-20°	769.3	14.8
20°-30°	1108.5	21.4
30°-40°	1150.9	22.2
40°-50°	850.9	16.4
50°-60°	508.2	9.8
60°-70°	308.8	6.0
70°-80°	169.2	3.3
80°-90°	47.1	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°	2152.1	41.5
0°-40°	3303.0	63.7
0°-60°	4662.1	89.9
0°-90°	5187.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5187.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2913	
5°	2894	274
15°	2730	769
25°	2416	1108
35°	1856	1151
45°	1095	851
55°	554	508
65°	308	309
75°	157	169
85°	38	47
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2912.9
2.5°	2912.9
5°	2894.0
7.5°	2868.9
10°	2831.1
12.5°	2787.1
15°	2730.5
17.5°	2667.6
20°	2604.6
22.5°	2516.6
25°	2415.9
27.5°	2309.0
30°	2170.5
32.5°	2032.1
35°	1856.0
37.5°	1673.5
40°	1472.2
42.5°	1277.1
45°	1094.8
47.5°	931.1
50°	786.4
52.5°	660.6
55°	553.6
57.5°	471.9
60°	402.6
62.5°	352.4
65°	308.2
67.5°	270.5
70°	232.8
72.5°	195.0
75°	157.2
77.5°	125.9
80°	94.4
82.5°	69.2
85°	37.8
87.5°	18.9
90°	0.0



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— 0°-180°







(END OF REPORT)