

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: P203070

Luminaire Tested: **LE\_6B50D010R EC6B30508035 6LBWB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203070  
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 6LBWB1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE 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: 3854.8 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

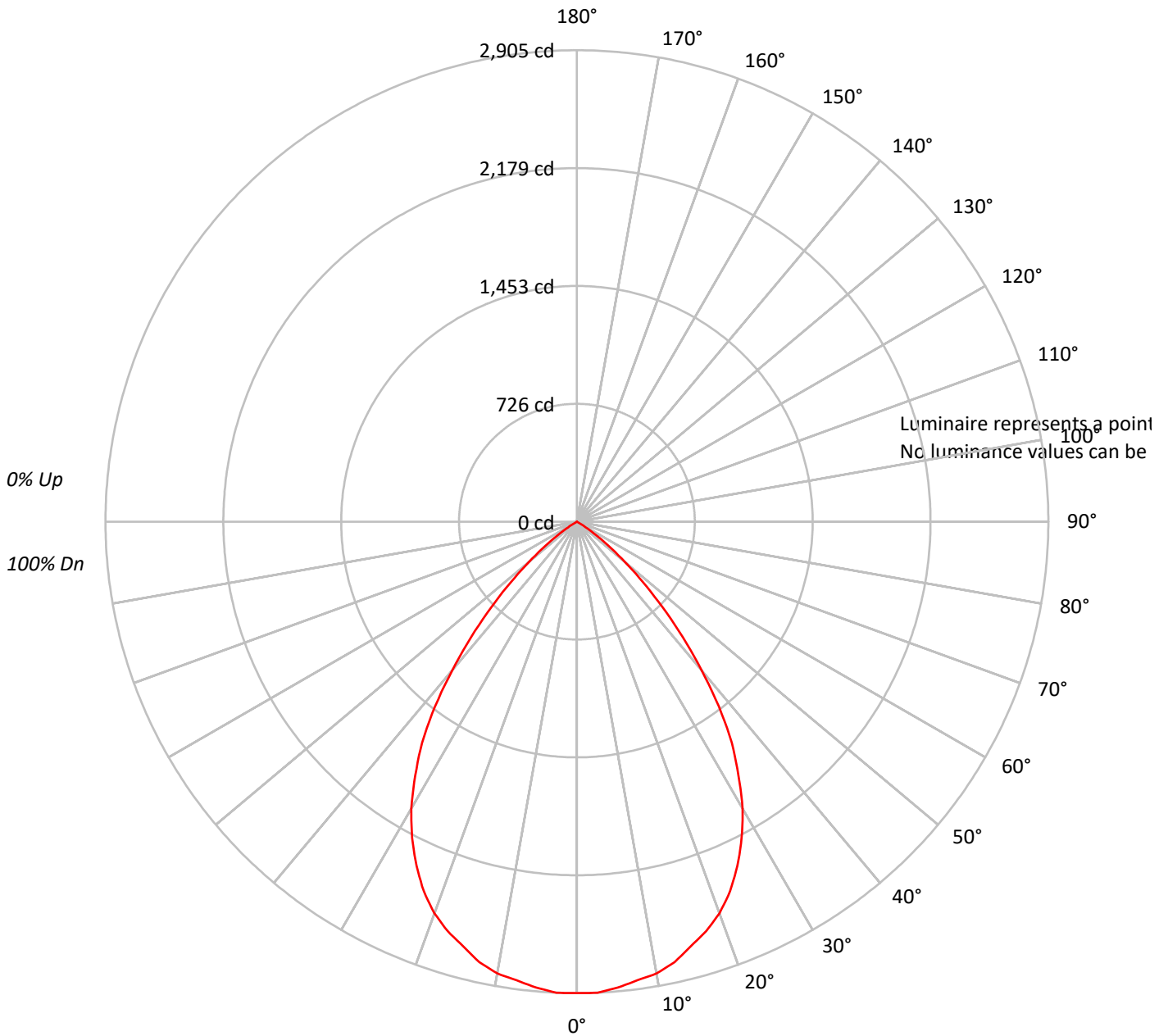
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			64
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59			59
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46			46
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42			42

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.2	7.1
10°-20°	763.8	19.8
20°-30°	1070.0	27.8
30°-40°	1021.8	26.5
40°-50°	581.9	15.1
50°-60°	142.2	3.7
60°-70°	1.9	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°	2107.0	54.7
0°-40°	3128.8	81.2
0°-60°	3852.9	100.0
0°-90°	3854.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3854.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2905	
5°	2882	273
15°	2709	764
25°	2340	1070
35°	1665	1022
45°	746	582
55°	141	142
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2905.2
2.5°	2905.2
5°	2881.6
7.5°	2850.2
10°	2826.8
12.5°	2779.6
15°	2708.9
17.5°	2646.1
20°	2567.6
22.5°	2465.5
25°	2339.9
27.5°	2198.5
30°	2041.5
32.5°	1853.0
35°	1664.6
37.5°	1436.9
40°	1193.5
42.5°	965.8
45°	745.9
47.5°	549.6
50°	384.8
52.5°	243.4
55°	141.4
57.5°	62.9
60°	15.8
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)