

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: P205245

Luminaire Tested: **LE\_6B60D010R EC6B60708050 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205245  
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\_6B60D010R EC6B60708050 6LBWL1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7809.5 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

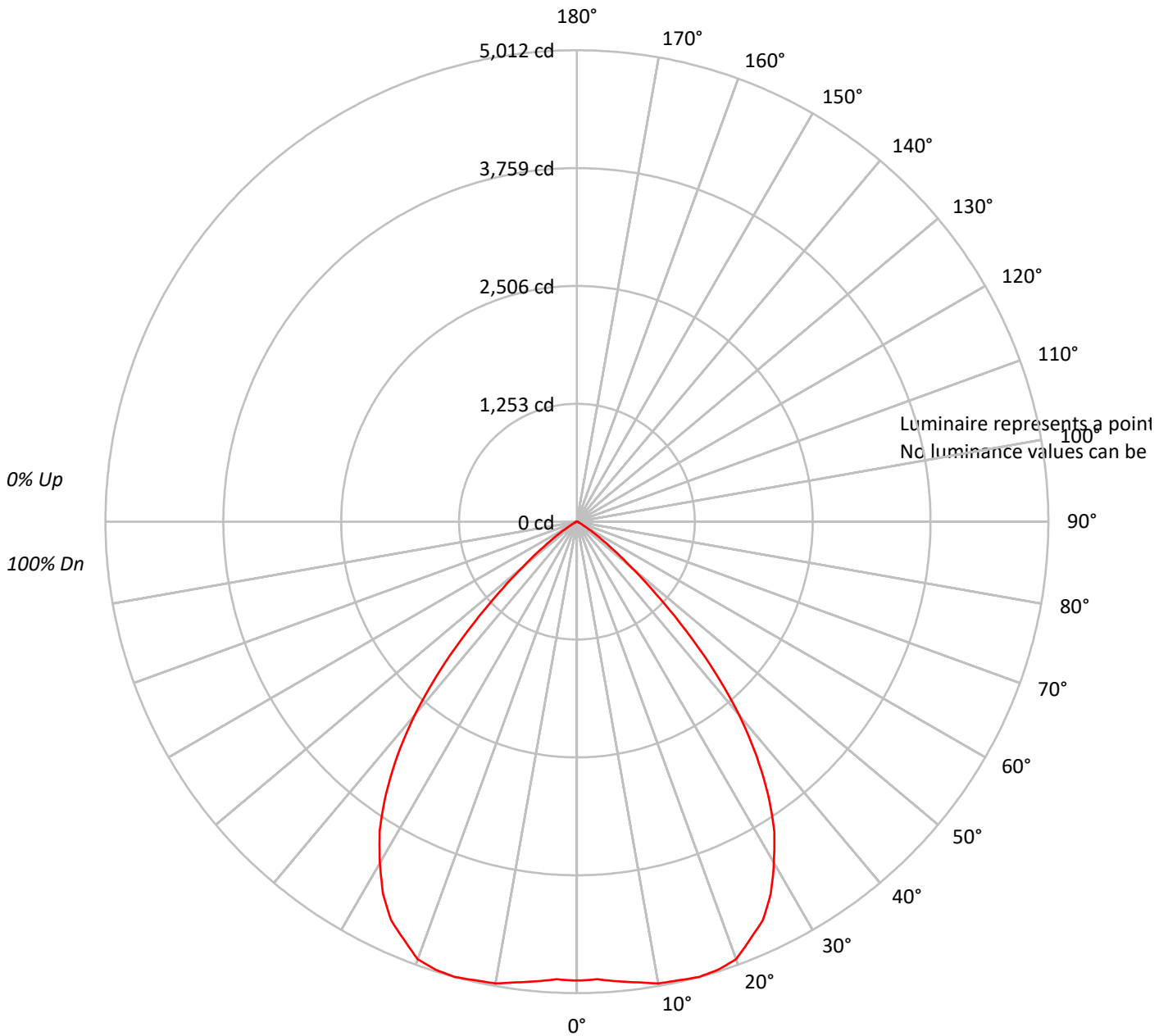
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205245

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBWL11

### Luminous Intensity Polar Plot





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

RF	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	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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92																												
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83																												
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76																												
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69																												
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63																												
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57																												
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																												
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																												
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44																												
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41																												

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	470.7	6.0
10°-20°	1414.6	18.1
20°-30°	2132.5	27.3
30°-40°	2182.7	27.9
40°-50°	1271.6	16.3
50°-60°	292.2	3.7
60°-70°	36.0	0.5
70°-80°	9.4	0.1
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°	4017.8	51.4
0°-40°	6200.4	79.4
0°-60°	7764.2	99.4
0°-90°	7809.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7809.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4879	
5°	4905	471
15°	5012	1415
25°	4675	2132
35°	3542	2183
45°	1638	1272
55°	283	292
65°	27	36
75°	9	9
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4878.6
2.5°	4869.8
5°	4905.2
7.5°	4940.6
10°	4984.9
12.5°	4993.8
15°	5011.5
17.5°	4993.8
20°	4949.5
22.5°	4807.9
25°	4675.0
27.5°	4462.5
30°	4188.0
32.5°	3904.8
35°	3541.6
37.5°	3134.4
40°	2682.9
42.5°	2178.1
45°	1638.0
47.5°	1142.2
50°	752.6
52.5°	478.1
55°	283.4
57.5°	150.5
60°	79.8
62.5°	44.2
65°	26.6
67.5°	26.6
70°	17.8
72.5°	8.9
75°	8.9
77.5°	8.9
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)