

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: P204113

Luminaire Tested: **LE\_6B60D010R EC6B60708035 6LBNMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204113  
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 EC6B60708035 6LBNMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW 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: 5526.2 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

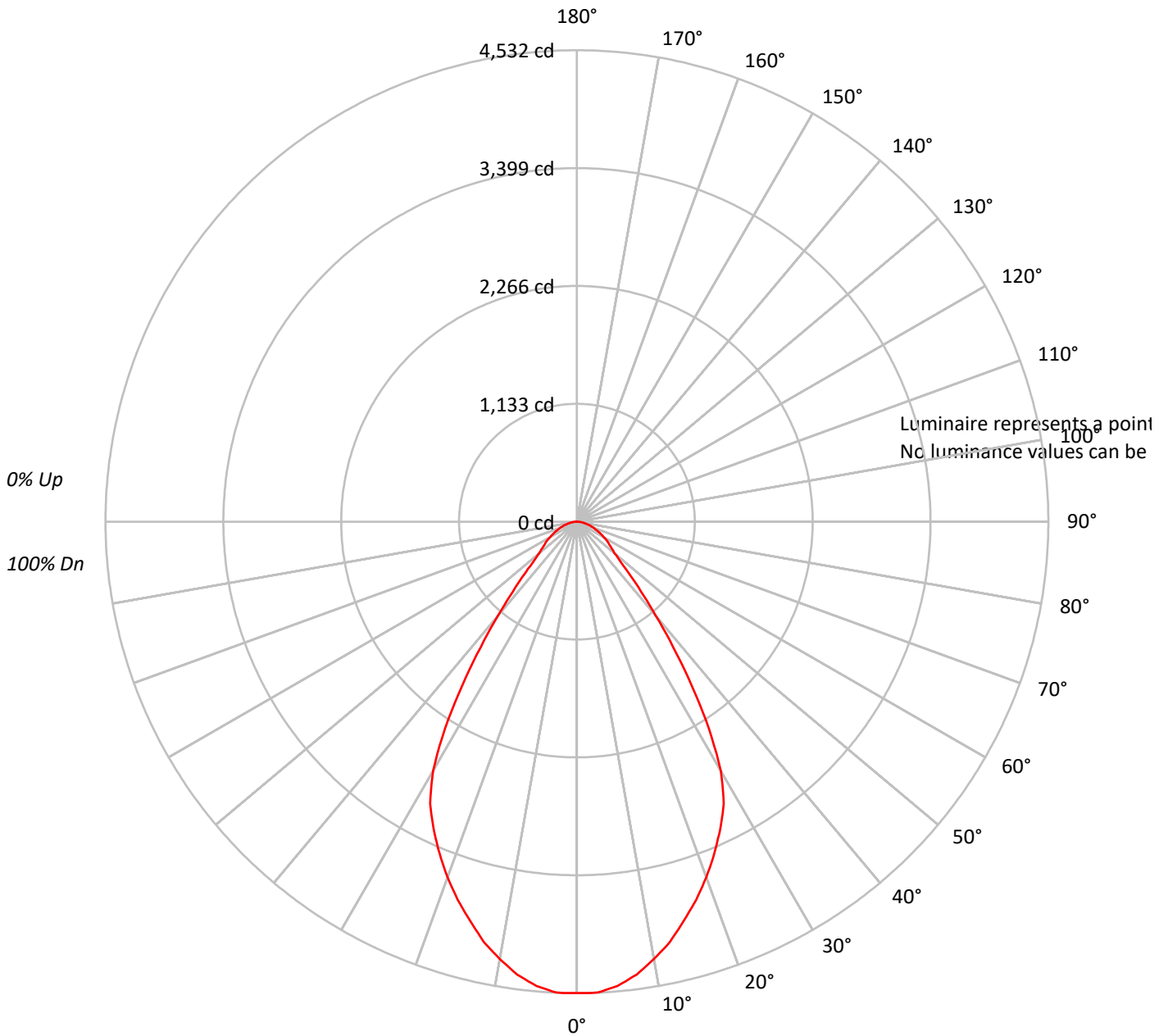
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204113

CATALOG NUMBER: LE\_6B60D010R EC6B60708035 6LBNMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204113

CATALOG NUMBER: LE\_6B60D010R EC6B60708035 6LBNMW1

**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			
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41			

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





TEST NUMBER: P204113

CATALOG NUMBER: LE\_6B60D010R EC6B60708035 6LBNMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.8	7.6
10°-20°	1115.5	20.2
20°-30°	1489.3	26.9
30°-40°	1201.5	21.7
40°-50°	575.8	10.4
50°-60°	341.3	6.2
60°-70°	226.9	4.1
70°-80°	121.5	2.2
80°-90°	33.5	0.6
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°	3025.6	54.8
0°-40°	4227.2	76.5
0°-60°	5144.3	93.1
0°-90°	5526.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5526.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4532	
5°	4479	421
15°	3970	1116
25°	3258	1489
35°	1924	1202
45°	711	576
55°	378	341
65°	228	227
75°	114	122
85°	26	33
90°	0	



TEST NUMBER: P204113

CATALOG NUMBER: LE\_6B60D010R EC6B60708035 6LBNMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4532.1
2.5°	4532.1
5°	4479.4
7.5°	4391.6
10°	4268.6
12.5°	4136.9
15°	3970.0
17.5°	3811.9
20°	3636.2
22.5°	3451.8
25°	3258.5
27.5°	3056.5
30°	2766.8
32.5°	2362.6
35°	1923.5
37.5°	1519.5
40°	1177.0
42.5°	913.5
45°	711.4
47.5°	562.1
50°	474.2
52.5°	421.6
55°	377.6
57.5°	342.5
60°	298.6
62.5°	263.5
65°	228.4
67.5°	193.2
70°	166.9
72.5°	140.5
75°	114.1
77.5°	87.9
80°	70.2
82.5°	52.8
85°	26.4
87.5°	8.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)