

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: P203701

Luminaire Tested: **LE_6B60D010R EC6B60708035 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203701
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 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4815.8 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

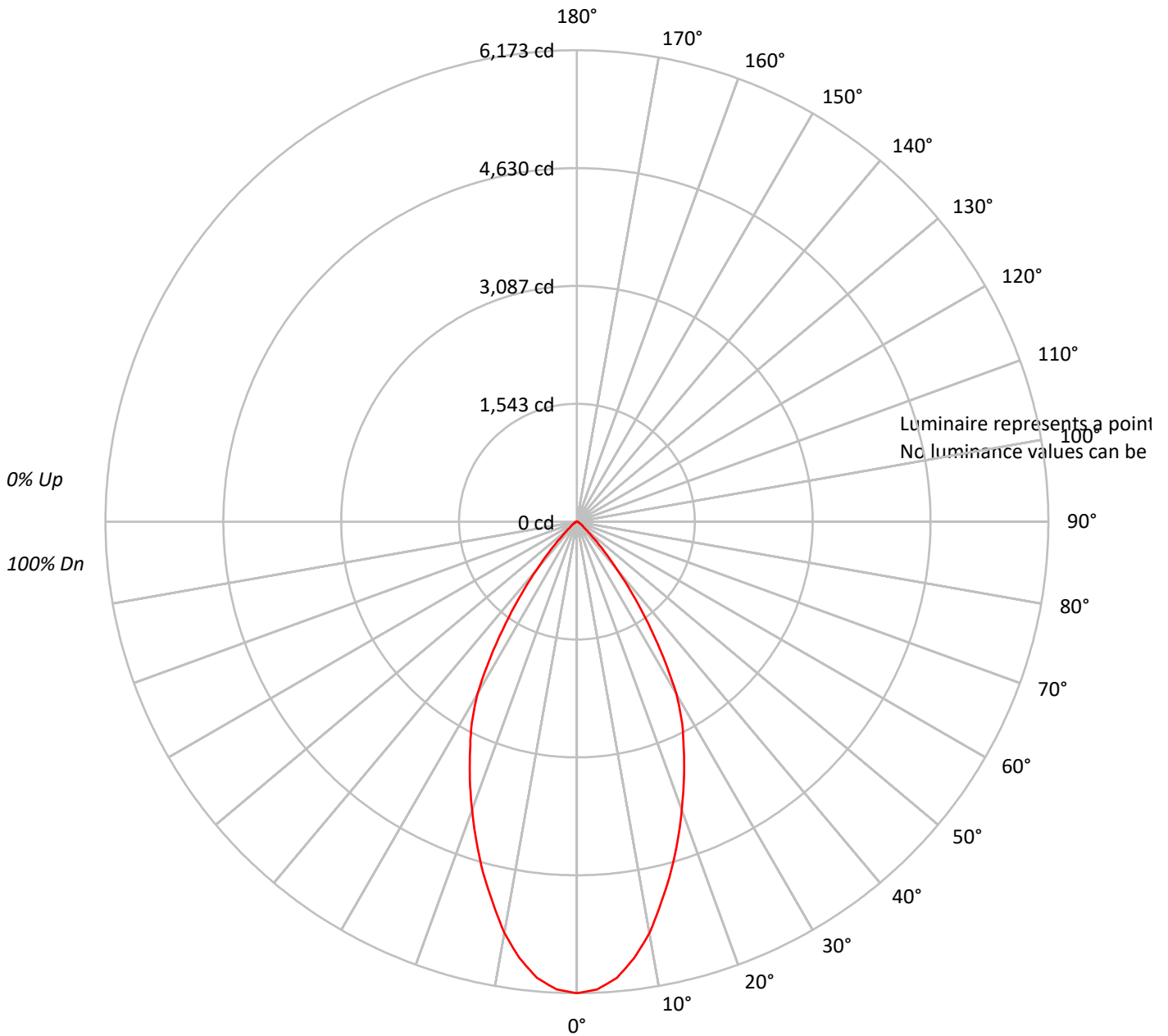
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203701

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBNH1

Luminous Intensity Polar Plot





TEST NUMBER: P203701

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBNH1

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75		
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70		
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61		
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58		
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54		
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203701

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBNH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.1	11.5
10°-20°	1323.9	27.5
20°-30°	1516.6	31.5
30°-40°	1019.0	21.2
40°-50°	291.2	6.0
50°-60°	71.2	1.5
60°-70°	27.1	0.6
70°-80°	10.5	0.2
80°-90°	1.2	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°	3395.6	70.5
0°-40°	4414.6	91.7
0°-60°	4777.0	99.2
0°-90°	4815.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4815.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6173	
5°	5998	555
15°	4751	1324
25°	3310	1517
35°	1624	1019
45°	334	291
55°	79	71
65°	26	27
75°	9	10
85°	0	1
90°	0	



TEST NUMBER: P203701

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBNH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	6173.2
2.5°	6129.4
5°	5997.6
7.5°	5760.5
10°	5470.8
12.5°	5102.0
15°	4750.8
17.5°	4381.9
20°	4013.0
22.5°	3661.8
25°	3310.5
27.5°	2985.6
30°	2608.0
32.5°	2107.5
35°	1624.5
37.5°	1185.5
40°	816.6
42.5°	535.6
45°	333.8
47.5°	202.0
50°	123.0
52.5°	96.6
55°	79.0
57.5°	61.5
60°	43.9
62.5°	35.1
65°	26.4
67.5°	17.6
70°	17.6
72.5°	8.8
75°	8.8
77.5°	8.8
80°	8.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)