

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: P203288

Luminaire Tested: **LE_6B60D010R EC6B60708030 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203288
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 EC6B60708030 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 5456.6 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

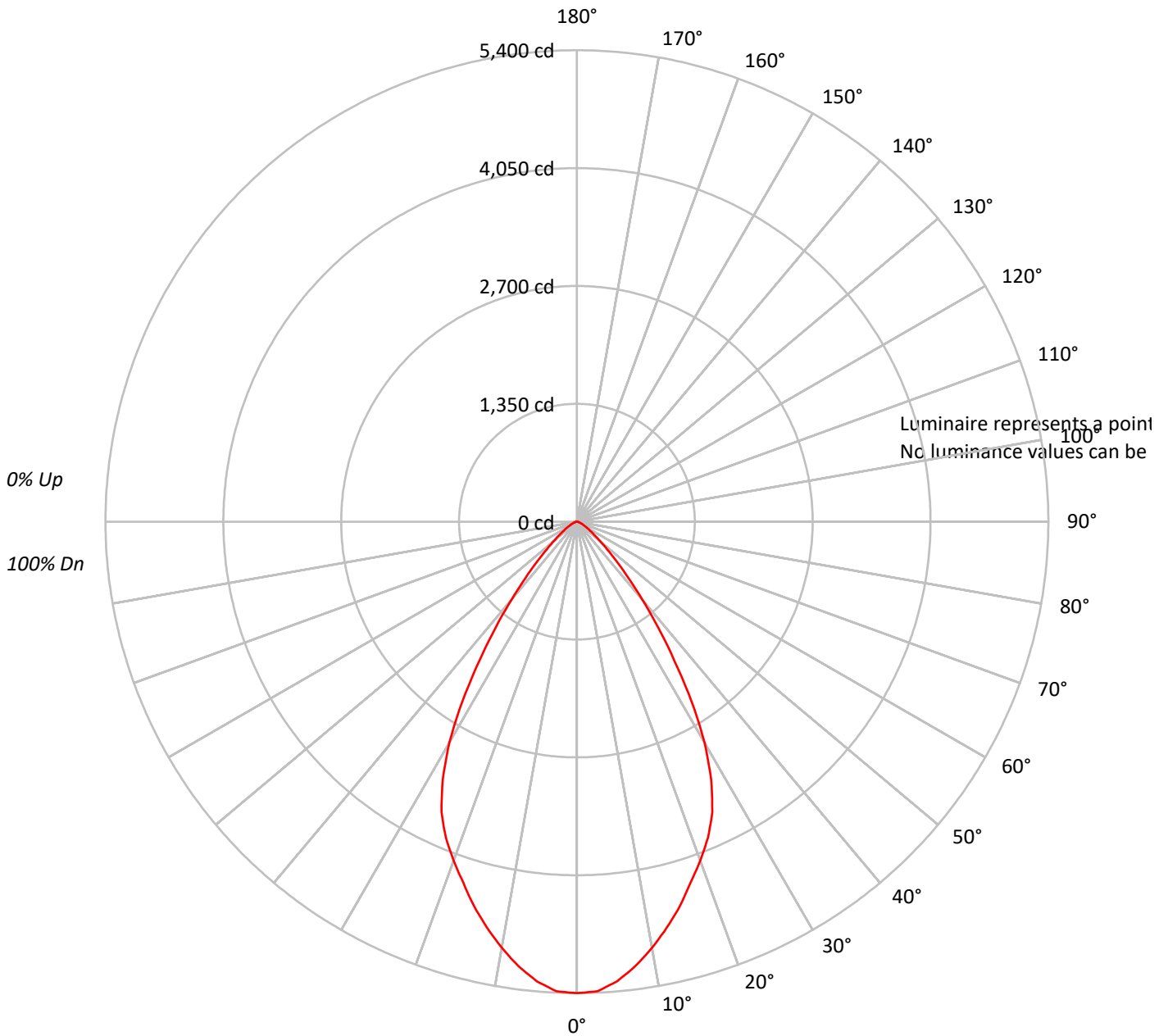
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203288

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBMH1

Luminous Intensity Polar Plot





TEST NUMBER: P203288

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBMH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92																			
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72																			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53																			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49																			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203288

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.7	9.0
10°-20°	1277.3	23.4
20°-30°	1655.0	30.3
30°-40°	1228.7	22.5
40°-50°	518.7	9.5
50°-60°	184.2	3.4
60°-70°	71.1	1.3
70°-80°	24.6	0.5
80°-90°	3.2	0.1
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°	3426.1	62.8
0°-40°	4654.8	85.3
0°-60°	5357.7	98.2
0°-90°	5456.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5456.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5400	
5°	5283	494
15°	4558	1277
25°	3670	1655
35°	1948	1229
45°	639	519
55°	195	184
65°	70	71
75°	23	25
85°	0	3
90°	0	



TEST NUMBER: P203288

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	5399.9
2.5°	5384.4
5°	5283.0
7.5°	5135.0
10°	4955.8
12.5°	4761.0
15°	4558.4
17.5°	4332.4
20°	4129.8
22.5°	3919.4
25°	3670.1
27.5°	3327.2
30°	2922.0
32.5°	2446.8
35°	1948.0
37.5°	1527.2
40°	1161.0
42.5°	864.9
45°	639.0
47.5°	467.5
50°	342.9
52.5°	257.1
55°	194.8
57.5°	148.0
60°	116.9
62.5°	85.8
65°	70.1
67.5°	54.5
70°	39.0
72.5°	31.1
75°	23.4
77.5°	15.6
80°	7.8
82.5°	7.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)