

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: P203111

Luminaire Tested: **LE_6B10D010 EC6B10208050 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203111
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_6B10D010 EC6B10208050 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1301.1 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

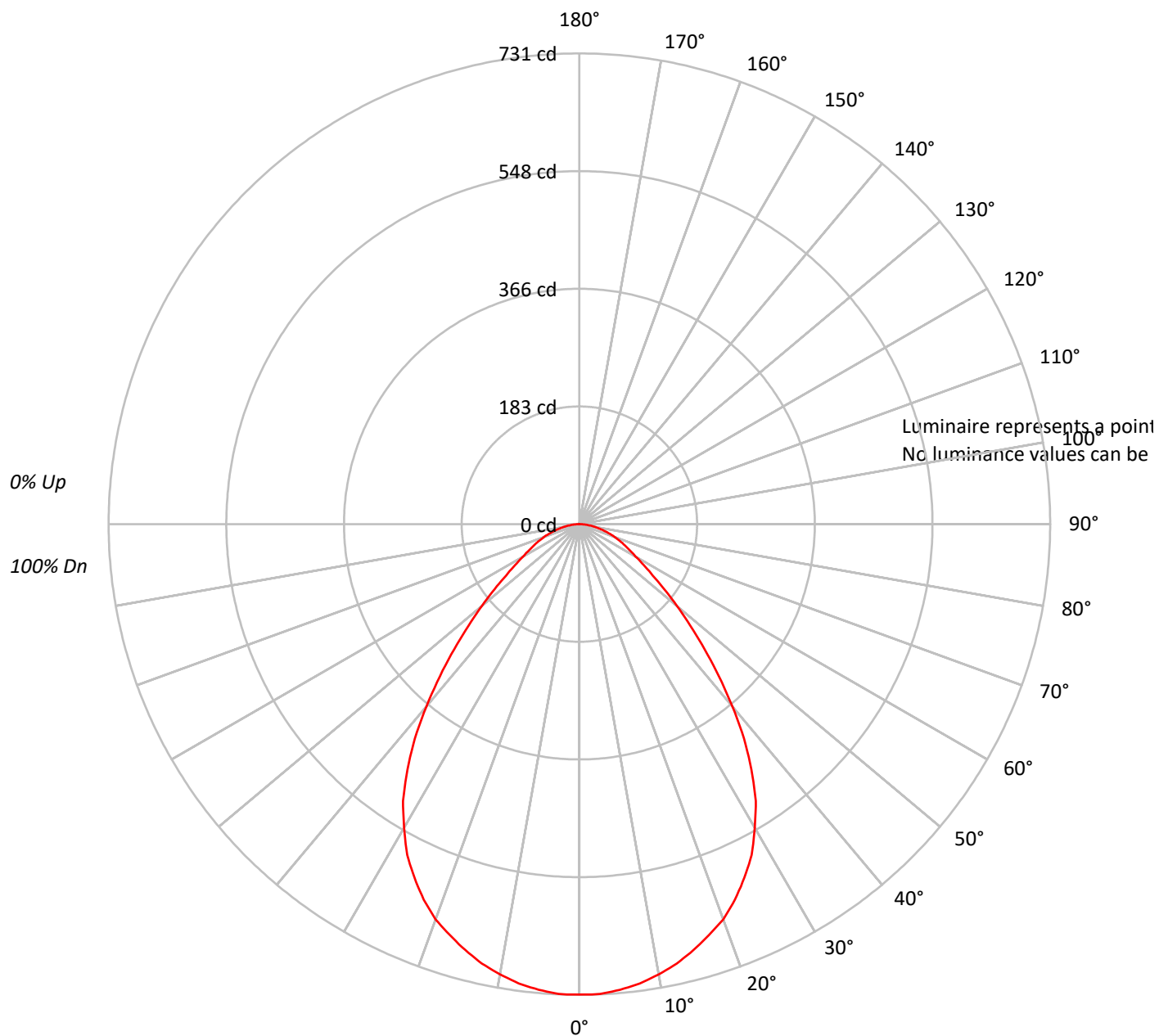
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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						
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88						
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77						
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68						
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60						
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54						
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49						
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44						
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40						
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37						
10	60	48	40	36	58	47	40	36	46	40	36	45	39	35	45	39	35	34						

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	5.3
10°-20°	193.0	14.8
20°-30°	278.0	21.4
30°-40°	288.7	22.2
40°-50°	213.4	16.4
50°-60°	127.5	9.8
60°-70°	77.5	6.0
70°-80°	42.4	3.3
80°-90°	11.8	0.9
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°	539.8	41.5
0°-40°	828.5	63.7
0°-60°	1169.4	89.9
0°-90°	1301.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	731	
5°	726	69
15°	685	193
25°	606	278
35°	466	289
45°	275	213
55°	139	128
65°	77	78
75°	40	42
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	730.6
2.5°	730.6
5°	725.9
7.5°	719.6
10°	710.1
12.5°	699.0
15°	684.9
17.5°	669.1
20°	653.2
22.5°	631.2
25°	606.0
27.5°	579.1
30°	544.4
32.5°	509.8
35°	465.5
37.5°	419.8
40°	369.2
42.5°	320.4
45°	274.6
47.5°	233.5
50°	197.2
52.5°	165.8
55°	138.9
57.5°	118.4
60°	101.0
62.5°	88.4
65°	77.4
67.5°	67.9
70°	58.4
72.5°	48.9
75°	39.5
77.5°	31.5
80°	23.6
82.5°	17.4
85°	9.5
87.5°	4.8
90°	0.0



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— 0°-180°







(END OF REPORT)